April 11, 2018

Phase II Environmental Site Assessment
Poesten Kill Place
244-246 First Street
City of Troy
Rensselaer County, New York

NYSDEC Spill No. 1711443

Prepared for:

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PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
POESTEN KILL PLACE

1.0 INTRODUCTION

1.1 Project Background

This report presents the findings of a Phase II Environmental Site Assessment (ESA) conducted at the Poesten Kill Place Site, which is located in the City of Troy, Rensselaer County, New York (See Figure 1, Appendix A).

The scope of services has been developed on the basis of the Phase I ESA prepared for the site by C.T. Male dated January 26, 2018. The ESA report noted the following recognized environmental conditions (RECs) for the site:

- The site has been used for industrial uses since at least the late 1800s including the use of the site as a foundry, junkyard, railroad bed, fertilizer business and steel fabricator business.

On the basis of these findings, this Phase II ESA was conducted to further evaluate these RECs.

1.2 Site Configuration

The subject site is located at 244-246 First Street in the City of Troy, Rensselaer County, New York. The site is an irregular shaped parcel occupying the majority of the city block bounded by Jefferson Street to the north, Second Street to the east, Ida Street to the south and First Street to the west. The site incorporates approximately 1.88 acres of land.

The site is currently improved with three buildings. The southwestern building is a concrete block and steel structure constructed on a concrete slab and has a flat metal roof. The building was reportedly constructed in 1959. The northern portion of the building is two stories containing offices and the southern portion of the building is a one story service area.

The eastern building is a steel frame structure constructed on a concrete slab with a peaked metal roof. The building appears to have been constructed in the 1970s to early 1980s. The southeastern portion of the building contains a two story office area. The western portion of the site building is reportedly used for receiving; the central portion is used for dismantling electronics; and the eastern portion of the building is reportedly used to store the disassembled electronics until they are removed from

the site. A one story metal frame building used for cold storage, primarily packaging materials and computer monitors, is located on the north side of the eastern building. The cold storage building was reportedly constructed circa 2006.

Remains from the building that was destroyed by a fire in the late 1970s to early 1980s, including a wall and concrete slab, are located on the northeastern portion of the site. A railroad bed formerly traversed the site from northeast to southwest.

Electricity and natural gas are supplied to the site by National Grid. Municipal water and sewer service are provided by the City of Troy. The service areas within the southwestern site building are heated by natural gas fired ceiling mounted heaters and radiant heaters. The office area within the southwestern site building is heated by a natural gas fired furnace located within the northern portion of the building. The eastern building is heated by natural gas fired ceiling mounted units. The cold storage building is reportedly not heated.

1.3 Project Scope

The Phase II ESA activities included a subsurface investigation which included the advancement of seven soil borings, six of which were converted to groundwater monitoring wells; the collection of soil samples for field vapor screening and laboratory analysis; and the collection of groundwater samples for laboratory analysis. This assessment also included the collection of shallow subsurface samples from three of the boring locations from the junkyard area for laboratory analysis.

This Phase II ESA was conducted by C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, D.P.C. (C.T. Male) as requested by The Community Builders.

2.0 METHOD OF PHASE II ESA INVESTIGATION

2.1 Test Boring and Monitoring Well Locations, Drilling Method and Well Construction

Seven test boring locations were selected to provide assessment of the site's overall soil and groundwater conditions. Six of the test borings were converted to groundwater monitoring wells. The test borings were located as follows:

- GP-1 was advanced on the southeastern portion of the site in the area of the former foundry and fertilizer business.
- GP-2 was advanced on the east-central portion of the site in the area of the former foundry and fertilizer business.
- GP-3 was advanced in the area of the former railroad bed and in an inferred down-gradient location relative to the former foundry and fertilizer business.
- GP-4 was advanced on the northern portion of the site in the former stove works area.
- GP-5 and was advanced in the former junkyard area on the western portion of the site to the north of the site building.
- GP-6 was advanced in the former junkyard area on the western portion of the site to the south of site building.
- GP-7 was a shallow boring installed on the western portion of the site in the former junkyard area to the northeast of the site building.

The test boring locations are depicted on the Sampling Location Map which is included as Figure 2 in Appendix A.

The drilling activities were completed on Friday, March 16, 2018 by Precision Environmental Services, Inc. of Ballston Spa, New York. For the purpose of this investigation, Geoprobe drilling techniques were utilized.

At each test location a two-inch diameter MacroCore sampler was advanced at continuous 4 foot intervals to the termination depths of the borings. The recovered soil samples were visually classified and recorded on individual Subsurface Exploration Logs.

Upon completion of the advancement of the boreholes, six (GP-1 through GP-6) were converted to groundwater monitoring wells for the purpose of facilitating the collection of groundwater samples for laboratory analysis. The monitoring wells were constructed of one inch diameter PVC slotted screen and riser pipe.

2.2 Soil Screening

Soil samples were collected from the soil borings for the purpose of field screening with a Photoionization Detector (PID) meter. Following the recovery of the soil

samples from test borings, each sample was placed in a new, clean sealable plastic bag and then screened for the presence of detectable volatile organic compounds (VOCs) with a MiniRAE 3000 PID equipped with a 10.6 eV lamp. The PID meter was calibrated according to manufacturer recommendations prior to use.

2.3 Soil Sampling

2.4.1 Shallow Subsurface Soil Sampling

Shallow subsurface were collected from GP-5, GP-6 and GP-7. The samples from GP-5 and GP-7 were selected from 0.5 to 2 feet below grade surface (bgs) and the sample from GP-6 was selected from 2-4 feet bgs. The intervals selected were just below the pavement and sub-base. The soil samples were collected in new laboratory supplied glass jars while wearing new gloves. The samples were placed in a cooler with ice and were forwarded under chain-of-custody to Alpha Analytical, Inc. of Westborough, Massachusetts for laboratory analysis for PCBs.

2.4.2 Subsurface Soil Sampling

Six subsurface soil samples were collected from the soil borings for laboratory analysis as follows:

- GP-1 from 2-4 feet bgs;
- GP-2 from 4-6 feet bgs;
- GP-3 from 2-4 feet bgs;
- GP-4 from 10-12 feet bgs;
- GP-5 from 6-8 feet bgs; and
- GP-6 from 4-6 feet bgs.

The soil samples from the borings were selected based on the results of the subjective soil screening activities. The soil samples were collected in new laboratory supplied glass jars while wearing new gloves. The samples were placed in a cooler with ice and were forwarded under chain-of-custody to Alpha Analytical, Inc. of Westborough, Massachusetts for laboratory analysis for the Target Compound List (TCL) of VOCs by EPA Method 8260, the TCL of semi-volatile organic compounds

(SVOCs) by EPA Method 8270, the TCL list of pesticides, PCBs and the Target Analyte List (TAL) of metals.

2.4 Groundwater Sampling

Groundwater samples were collected on Monday, March 19, 2018 from MW-1 through MW-6. Prior to sampling, the water levels were recorded in each well from the top of the PVC casing utilizing a water level meter. The wells were developed by purging a minimum of 3 well volumes utilizing a peristaltic pump. The wells were allowed to recover to a minimum of 90% of their pre-purging static water levels. The groundwater samples were collected in new laboratory supplied glass jars while wearing new gloves utilizing the peristaltic pump. New sampling tubing was used at each of the well locations.

The samples were placed in a cooler with ice and were forwarded under chain-of-custody to Alpha Analytical, Inc. of Westborough, Massachusetts for laboratory analysis for the TCL VOCs by EPA Method 8260, the New York State Department of Environmental Conservation's (NYSDEC's) CP-51 list of SVOCs by EPA Method 8270, the TCL list of pesticides, PCBs and TAL metals.

2.5 Decontamination

To preclude the potential for cross contamination between the test boring locations, drilling tools and sampling equipment that would contact the site soils and groundwater were decontaminated prior to the start of the drilling activities and between boring locations utilizing a detergent/water wash and tap water rinse. Soil and groundwater samples were handled with a new pair of gloves to deter cross contamination of the soil and groundwater samples collected for screening and/or laboratory analysis.

3.0 FINDINGS OF THE PHASE II ESA INVESTIGATION

3.1 Soil Conditions at Boring Locations

At GP-1 a two foot layer of fine gravel and fine to medium sand with some silt was encountered beneath which was a one foot layer of medium to coarse sand and brick with little silt. A two foot layer of wood was encountered beneath these fill

materials. The wood was underlain by medium to coarse sand with some fine gravel and little clay to approximately 13 feet bgs. Clay with little silt was encountered to 17 feet below grade and brown clay and silt with some fine sand were encountered to 19 feet bgs. A one foot layer of fine gravel and fine to coarse sand with some clay was encountered beneath the clay and silt. Fractured rock with some clay was encountered in the remainder of the boring which was terminated at 22 feet bgs. Soils became wet at 12 feet bgs which appeared to be perched water above the clay layer and again at 18.5 feet bgs. Petrochemical type odors or staining were not noted in the soil samples recovered from GP-1.

At GP-2 fine sand with little brick was encountered to 10 feet bgs, beneath a layer of asphalt. From 10 to 17.5 feet bgs the soils consisted of medium to coarse sand with some fine gravel and little clay. From 17.5 feet to 19 feet bgs fine sand containing organic matter and wood was encountered. This material was underlain by medium to coarse sand and fine to coarse gravel to 24 feet bgs where the boring was terminated. Petrochemical type odors or staining were not noted in the soil samples recovered from GP-2. Soils became wet at approximately 19 feet bgs.

At GP-3 variable textured sand and gravel were encountered beneath the asphalt to 16 feet bgs. Evidence of fill materials was noted from 2 feet to 5.5 feet bgs where ceramic and brick were noted. Clay with little fine sand was encountered from 16 to 22 feet bgs. The clay was underlain by fine to coarse sand with some gravel and little silt to 24 feet bgs where the boring was terminated. The soils were moist throughout; however, the soils did not become saturated within the depths explored. Petrochemical type odors or staining were not noted in the soil samples recovered from GP-3.

At GP-4 3 feet of fill materials were noted consisting of medium to coarse sand with some silt and little cinders and brick. From 3 to 7 feet bgs fill materials consisting of medium sand with little fine to medium gravel with brick were encountered and from 7 to 10 feet bgs sand with little glass and trace metallic pieces was encountered. From 10 to 13 feet bgs sand with trace metallic pieces was encountered. Wood (possibly pulp or fiberboard) with little black silt and brick was encountered from 13 to 18 feet bgs. These fill materials were underlain by sand with some gravel and little silt. A one foot layer of wood was encountered from 22 to 23 feet bgs. The wood was underlain by sand containing some gravel and little silt to the termination of the

boring at 24 feet bgs. The soils became wet at 19 feet bgs. A mild petroleum type odor and black staining was noted in the soils from 8 to 12 feet bgs and a septic odor was noted from 20 to 24 feet bgs.

At GP-5 fill materials were noted to 14 feet bgs beneath the asphalt and consisted of sand with cinders, metallic pieces and coal. Beneath the fill a one foot layer of coarse sand was encountered beneath which clay with sand and gravel was encountered to 19 feet bgs. From 19 to 24 feet bgs fine to coarse gravel with some coarse sand and little clay was encountered to 24 feet bgs where the boring was terminated. Soils became wet at 19 feet bgs. A mild petroleum type odor and black staining was noted in the soils from 4 to 8 feet bgs.

At GP-6 a two foot layer stone and concrete was underlain by 6 feet of fill materials consisting of medium to coarse sand with some silt, little cinders, brick and trace coal & glass. This fill material was underlain by medium to coarse sand with some fine to medium gravel to 12.25 feet bgs. These soils were underlain by clay which graded to sand to 19 feet bgs. Fine to medium gravel with little silt was encountered to 24 feet bgs where the boring was terminated. The soils became wet at 19 feet bgs. Petrochemical type odors or staining were not noted in the soil samples recovered from GP-6.

At GP-7 fine to coarse sand and some fine gravel was encountered to 1.5 feet bgs. These soils were underlain by 1 foot of coal. Fill materials consisting of medium to coarse sand with little coal and cinders and trace slag were encountered to 4 feet bgs where the boring was terminated.

As noted above, GP-1 through GP-6 were converted to groundwater monitoring wells.

The subsurface exploration logs are included in Appendix B. Monitoring Well Construction Logs are included in Appendix C.

3.2 Soil Screening Results

Petroleum type staining and odors were noted at both GP-4 and GP-5 with slightly elevated PID readings recorded. The table below summarizes PID readings recorded

above 10 parts per million (ppm) and/or those samples that exhibited petroleum type odors and/or staining.

TABLE 3.2-1
SUMMARY OF ELEVATED PID READINGS AND
SUBJECTIVE SCREENING RESULTS

Exploration Number	PID Reading*	Background Reading*	Remarks
GP-4 (2-4′)	11.2	0.0	No odor/no staining
GP-4 (8-10′)	25.5	0.0	Mild petroleum odor/black staining
GP-4 (10-12′)	72.6	0.0	Mild petroleum odor/black staining
GP-5 (4-6′)	15.4	0.0	Slight petroleum odor/no staining
GP-5 (6-8′)	18.5	0.0	Slight petroleum odor/no staining
GP-5 (8-10′)	11.3	0.0	No odor/no staining
GP-5 (10-12′)	10.1	0.0	No odor/no staining

*Values shown in parts per million

Based on the elevated PID readings coupled with the presence of petroleum type odors and staining, the NYSDEC spill hotline was notified of the findings on Friday, March 16, 2018. Spill No. 1711443 was assigned to the site.

Organic Vapor Headspace Analysis Logs are included in Appendix D.

3.3 Groundwater Conditions

Groundwater conditions were assessed during the collection of groundwater samples from monitoring wells MW-1 through MW-6 on Monday, March 19, 2018.

The static groundwater levels ranged from 12.62 feet bgs at MW-2 on the eastern portion of the site to 18.35 feet bgs at MW-3 on the central portion of the site. The direction of groundwater flow was not determined, but is inferred to be to the west towards the Hudson River.

Petrochemical type odors were not noted in groundwater at the time of sampling although a mild septic odor was noted in the groundwater at MW-4 at the time of sampling.

4.0 ANALYTICAL RESULTS

4.1 Shallow Subsurface Soil

The shallow subsurface soil samples collected from the boring GP-5, GP-6 and GP-7 in the former junkyard area were analyzed for PCBs. PCBs were not detected above the laboratory method detection limit in the shallow subsurface soils.

4.2 Subsurface Soil

The remaining soil samples collected from the borings were analyzed for TCL VOCs by EPA Method 8260, the TCL SVOCs by EPA 8270, TCL pesticides, PCBs and TAL metals.

Up to 7 VOCs were detected above the laboratory method detection limit in the soil samples. Acetone exceeded its NYSDEC Unrestricted Use soil cleanup objective (SCO) at GP-4 with a concentration of 0.11 ppm as compared to the Unrestricted Use SCO of 0.05 ppm. The remaining VOCs were not detected above their corresponding Unrestricted Use SCOs.

Up to 25 SVOCs were detected above the laboratory method detection limit in the soil samples. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene exceeded their respective SCOs in the soil samples collected from GP-1, GP-2, GP-3, GP-4 and GP-6. Benzo(k)fluoranthene and dibenzo(a,h)anthracene exceeded their respective SCOs at GP-1, GP-4 and GP-6. napthalene, phenol, 2-methylphenol and 3-methylphenol exceeded their respective SCOs at GP-4.

Pesticides were not detected above the laboratory method detection limit in the soil samples from GP-2, GP-4, GP-5 or GP-6. Four pesticides were detected above the laboratory method detection limit at GP-1 with 4,4'DDE exceeding its Unrestricted Use SCO of 0.0033 ppm at a concentration of 0.026 ppm. Three pesticides were detected in the soil sample from GP-3 with 4,4'-DDE exceeding its Unrestricted Use SCO of 0.00418 ppm as well as 4,4'-DDT exceeding its Unrestricted Use SCO of 0.0033 ppm at a concentration of 0.0332 ppm.

PCBs were not detected above the laboratory method detection limit in the soil samples from GP-2, GP-4, GP-5 or GP-6. Two PCBs were detected in the soil sample

from GP-1 and one PCB in the soil sample from GP-3. The concentrations were below the Unrestricted Use SCO of 0.1 ppm.

Up to 22 metals were detected in the soil samples with copper exceeding the Unrestricted Use SCO of 50 ppm at GP-1, GP-3, GP-4 and GP-5 with concentrations ranging from 50.4 ppm to 403 ppm; lead exceeding its Unrestricted Use SCO of 63 ppm at GP-1, GP-3, GP-4 and GP-6 with concentrations ranging from 63.6 to 2,760 ppm; manganese exceeding the Unrestricted Use SCO of 1,600 ppm at GP-4 and GP-5 with concentrations ranging from 1,760 to 2,200 ppm; mercury exceeding the Unrestricted Use SCO of 0.18 ppm at GP-1, GP-3 and GP-6 with concentrations ranging from 0.34 to 1.9 ppm; nickel exceeding its Unrestricted Use SCO of 30 ppm at GP-4 and GP-5 with concentrations ranging from 46.1 to 64.4 ppm; and zinc exceeding its Unrestricted Use SCO of 109 ppm at GP-1 and GP-3 with concentrations ranging from 306 to 578 ppm.

As compared to the next most stringent SCOs, seven of the SVOCs exceeded the Residential and in most cases Restricted Residential SCOs. The SVOCs exceeding these SCOs include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene. With respect to metals, copper and lead exceeded the Residential and Restricted Residential SCOs at GP-1. Manganese exceeded its respective Residential and Restricted Residential SCOs at GP-4. Mercury exceeded its respective Residential and Restricted Residential SCOs at GP-3.

The analytical results are summarized in Table 4.2-1. Full analytical results for the subsurface soil samples are presented in Appendix E.

4.3 Groundwater

The groundwater samples collected from each of the borings were analyzed for TCL VOCs by EPA Method 8260, the CP-51 list of SVOCs by EPA 8270, TCL pesticides, PCBs and TAL metals.

VOCs were not detected above the laboratory method detection limit with the exception of cyclohexane which was detected at an estimated concentration of 0.8 parts per billion (ppb) in the groundwater sample collected from MW-5. There is no guidance value or groundwater standard for cyclohexane.

SVOCs were not detected above the laboratory method detection limit from MW-2, MW-3 or MW-5. One SVOC, phenanthrene, was detected in the groundwater sample from MW-1, but below its guidance value. In the groundwater sample from MW-4, 14 SVOCs were detected with six of the SVOCs exceeding their respective groundwater standards or guidance values including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene.

PCBs were not detected above the laboratory method detection limit in the groundwater samples. Pesticides were not detected in the groundwater samples above the laboratory method detection limit with the exception of 4,4'-DDT which was detected in the groundwater samples from MW-2 and MW-6, but at concentrations below the groundwater standard.

Up to 24 metals were detected in the groundwater samples. Iron, manganese and sodium exceeded their respective groundwater standards at each of the locations with iron concentrations ranging from 9,900 ppb to 86,200 ppb as compared to the groundwater standard of 300 ppb; manganese concentrations ranging from 2,517 ppb to 16,180 ppb as compared to the groundwater standard of 300 ppb; and sodium concentrations ranging from 77,000 ppb to 96,300 ppb as compared to the groundwater standard of 20,000 ppb.

Arsenic exceeded the groundwater standard of 25 ppb at MW-5 with a concentration of 33.23 ppb. Barium exceeded the groundwater standard of 1,000 ppb at MW-3 with a concentration of 1,948. Beryllium exceeded the guidance value of 3 ppb at MW-3 with a concentration of 5.16 ppb. Chromium exceeded the groundwater standard of 50 ppb at MW-5 with a concentration of 61.64 ppb. Lead exceeded the groundwater standard of 25 ppb in the groundwater samples collected from MW-1 through MW-5 with concentrations ranging from 25.94 to 470.8 ppb. Mercury exceeded the groundwater standard of 0.7 ppb at MW-4 at a concentration of 0.89 ppb. Selenium exceeded the groundwater standard of 10 ppb at MW-3 with a concentration of 18.7 ppb.

The groundwater results are summarized in Table 4.3-1. Full analytical results for the groundwater samples are presented in Appendix F.

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

A Phase II ESA has been conducted at the Poesten Kill Place site in relation to RECs identified during the completion of a Phase I ESA of the site.

The Phase II ESA included the completion a subsurface investigation which included the advancement of seven soil probes, six of which were converted to groundwater monitoring wells; the collection of soil samples for field vapor screening and laboratory analysis; and the collection of groundwater samples for laboratory analysis.

The soils within the site and to the depths explored (up to 24 feet bgs) consisted of silt, sand, gravel and clay with varying degrees of fill materials. Fill materials were encountered at each of the seven boring locations and included brick, ceramic, cinders, coal, glass, metallic pieces, slag and wood. Black staining and mild petroleum odors were noted at GP-4 from 8 to 12 feet bgs and at GP-5 from 4 to 8 feet bgs. Elevated PID readings were recorded from these intervals with the highest PID reading at GP-4 in the 10 to 12 foot interval at 72.6 ppm. Groundwater was encountered at approximately 19 feet bgs at the boring locations during drilling activities. Groundwater flow in the vicinity of the site is inferred to be to the west toward the Hudson River. Petroleum type odors were not noted within the groundwater during drilling or sampling activities.

The shallow subsurface soil samples collected from the boring GP-5, GP-6 and GP-7 in the former junkyard area were analyzed for PCBs. PCBs were not detected above the laboratory method detection limit in the shallow subsurface soils.

Up to 7 VOCs were detected above the laboratory method detection limit in the soil samples. Acetone exceeded its NYSDEC Unrestricted Use SCO at GP-4 with a concentration of 0.11 ppm as compared to the Unrestricted Use SCO of 0.05 ppm. The remaining VOCs were not detected above their corresponding Unrestricted Use SCOs.

Up to 25 SVOCs were detected above the laboratory method detection limit in the soil samples with 11 exceeding their Unrestricted Use SCOs at one or more locations. As compared to the next most stringent SCOs, 7 of the SVOCs exceeded the

Residential and in most cases Restricted Residential SCOs. The SVOCs exceeding these SCOs include Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene and Indeno(1,2,3-cd)pyrene.

Pesticides were not detected above the laboratory method detection limit in the soil samples from GP-2, GP-4, GP-5 or GP-6. Four pesticides were detected above the laboratory method detection limit at GP-1 with one exceeding its Unrestricted Use SCO. Three pesticides were detected in the soil sample from GP-3 with two exceeding their Unrestricted Use SCOs.

PCBs were not detected above the laboratory method detection limit in the soil samples from GP-2, GP-4, GP-5 or GP-6. Two PCBs were detected in the soil sample from GP-1 and one PCB in the soil sample from GP-3. The detections were below the Unrestricted Use SCO.

Up to 22 metals were detected in the soil samples with 6 of the metals exceeding their respective Unrestricted Use SCOs at 2 or more locations. As compared to the next most stringent SCOs, copper and lead exceeded the Residential and Restricted Residential SCOs at GP-1. Manganese exceeded its respective Residential and Restricted Residential SCOs at GP-4. Mercury exceeded its respective Residential and Restricted Residential SCOs at GP-3.

VOCs were not detected above the laboratory method detection limit in the groundwater samples with the exception of Cyclohexane which does not have a guidance value or groundwater standard. SVOCs were not detected above the laboratory method detection limit from MW-2, MW-3 or MW-5. One SVOC, Phenanthrene, was detected in the groundwater sample from MW-1, but below its guidance value. In the groundwater sample from MW-4, 14 SVOCs were detected with six of the SVOCs exceeding their respective groundwater standards or guidance values including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene.

PCBs were not detected above the laboratory method detection limit in the groundwater samples. Pesticides were not detected in the groundwater samples above the laboratory method detection limit with the exception of 4,4'-DDT which was detected in the groundwater samples from MW-2 and MW-6, but at concentrations below the groundwater standard.

Up to 24 metals were detected in the groundwater samples. Arsenic, barium, beryllium, chromium, iron, lead, manganese, mercury, selenium and sodium exceeded their respective groundwater standards at one or more locations.

5.2 Recommendations

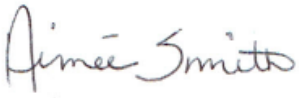
As a NYSDEC spill number is listed for this site, this report should be submitted to the NYSDEC for their review and comment to determine if further evaluation and/or remedial action at the site may be required.

Consideration of soil will be necessary for future development activities as fill materials exist within the site which contain elevated levels of SVOCs and metals. Additionally, consideration will be necessary for groundwater as groundwater at the site contains elevated levels of both SVOCs and metals. It is noted that groundwater in the vicinity of the site is not used as a source of drinking water as public water is available in the vicinity of the site.

The findings and conclusions of this Phase II ESA represent the site conditions as disclosed through the investigations performed at the time completed, and may not be representative of the entire site. No other warranties, expressed or implied are made.

If you have any questions regarding this report, please contact this office at (518) 786-7400.

Respectfully submitted,
C.T. MALE ASSOCIATES



Aimee Smith
Sr. Environmental Scientist

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TABLES

Table 4.2-1 Summary of Subsurface Soil Samplings Results and Regulatory Values

Table 4.3-1 Summary of Groundwater Sampling Results and Regulatory Values

TABLE 4.2-1
SUMMARY OF SOIL SAMPLING RESULTS AND REGULATORY VALUES
POESTENKILL PLACE
PHASE II ESA

	SAMPLE ID:	GP-1 (2-4)		GP-2 (4-6)		GP-3 (2-4)		GP-4 (10-12)		GP-5 (6-8)		GP-6 (4-6)	
ANALYTE	**NY-UNRES***	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg
VOLATILE ORGANIC COMPOUNDS BY EPA Method 8260													
Benzene	0.06	ND		ND		ND		0.00076	J	0.054	J	ND	
Toluene	0.7	0.0016	J	ND		ND		0.00058	J	0.058	J	ND	
Ethylbenzene	1	ND		ND		ND		0.00042	J	0.037	J	ND	
Chloromethane	NS	ND		ND		ND		0.00069	J	ND		ND	
p/m-Xylene	NS	ND		ND		ND		ND		0.035	J	ND	
Acetone	0.05	0.015	J	0.003	J	ND		0.11		ND		ND	
Carbon disulfide	NS	ND		ND		ND		0.0042	J	ND		ND	
2-Butanone	0.12	ND		ND		ND		ND		ND		0.11	J
Methyl Acetate	NS	ND		ND		ND		ND		ND		0.032	J
Cyclohexane	NS	ND		ND		ND		ND		0.36	J	ND	
Methyl cyclohexane	NS	ND		ND		ND		0.00084	J	0.027	J	0.019	J
SEMIVOLATILE ORGANIC COMPOUNDSS BY EPA Method 8270													
Acenaphthene	20	0.76		0.34		0.14	J	5.7		ND		2.3	
Fluoranthene	100	15	E	2.9		3		29	E	ND		18	E
Naphthalene	12	0.67		0.4		0.22		20	E	ND		2	
Diethyl phthalate	NS	0.027	J	ND		ND		ND		ND		ND	
Benzo(a)anthracene	1	6.5		1.2		1.4		15	E	ND		10	E
Benzo(a)pyrene	1	5.7		1		1.5		13	E	ND		7.9	E
Benzo(b)fluoranthene	1	7.8		1.2		2		16	E	ND		9.6	E
Benzo(k)fluoranthene	0.8	2.5		0.43		0.65		4.4		ND		3.4	
Chrysene	1	6.8		1.1		1.5		15	E	ND		9.4	E
Acenaphthylene	100	1.5		0.16		0.4		2.4		ND		1.3	
Anthracene	100	3.2		0.84		0.44		10	E	ND		5.6	
Benzo(ghi)perylene	100	3.2		0.56		1		5.9		ND		3.3	
Fluorene	30	0.79		0.34		0.22		7.6	E	ND		2.6	
Phenanthrene	100	14	E	3.5		2.2		33	E	ND		19	E
Dibenzo(a,h)anthracene	0.33	0.96		0.14		0.24		1.9		ND		1.3	
Indeno(1,2,3-cd)pyrene	0.5	3.6		0.61		1		7		ND		4.1	
Pyrene	100	12	E	2.6		2.6		24	E	ND		16	E
Biphenyl	NS	0.15	J	0.06	J	ND		1.5		ND		0.4	J
Dibenzofuran	7	1		0.32		0.18	J	5.9		ND		2.3	
2-Methylnaphthalene	NS	0.47		0.18	J	0.12	J	7		ND		1.6	
2,4-Dimethylphenol	NS	ND		ND		ND		1.1		ND		0.11	J
Phenol	0.33	0.083	J	ND		ND		1.1		ND		0.093	J
2-Methylphenol	0.33	0.046	J	ND		ND		0.98		ND		0.081	J
3-Methylphenol/4-Methylphenol	0.33	0.15	J	0.038	J	ND		2.6		ND		0.26	J
Carbazole	NS	1.6		0.36		0.24		6		ND		2.4	
Benzaldehyde	NS	0.1	J	ND		ND		ND		ND		ND	
ORGANOCHLORINE PESTICIDES BY GC													
Heptachlor epoxide	NS	0.00376		ND		ND		ND		ND		ND	
4,4'-DDE	0.0033	0.026		ND		0.00418		ND		ND		ND	
4,4'-DDD	0.0033	ND		ND		0.00216		ND		ND		ND	
4,4'-DDT	0.0033	ND		ND		0.0332	P	ND		ND		ND	
cis-Chlordane	0.094	0.000736	JPI	ND		ND		ND		ND		ND	
trans-Chlordane	NS	0.00206	JPI	ND		ND		ND		ND		ND	
POLYCHLORINATED BIPHENYLS BY GC													
Aroclor 1260	0.1	0.0301	J	ND		0.0103	J	ND		ND		ND	
Aroclor 1268	0.1	0.0176	J	ND		ND		ND		ND		ND	
PCBs, Total	0.1	0.0477	J	ND		0.0103	J	ND		ND		ND	
TOTAL METALS													
Aluminum, Total	NS	8030		8730		19400		4760		5250		9400	
Antimony, Total	NS	6.68		ND		4.22	J	3.89	J	6.72		1.11	J
Arsenic, Total	13	8.58		4.63		9.44		11.9		9.97		8.17	
Barium, Total	350	137		24.2		152		50.6		29.8		72.2	
Beryllium, Total	7.2	0.347	J	0.41	J	2.1		0.186	J	0.189	J	0.459	
Cadmium, Total	2.5	1.8		0.21	J	0.909		1.23		1.77		0.45	J
Calcium, Total	NS	24100		1080		120000		5630		1970		6280	
Chromium, Total	NS	20.1		10.2		10.8		25.8		41.4		12.8	
Cobalt, Total	NS	7.03		6.68		7.38		33		28.4		10.1	
Copper, Total	50	403		4.57		96.9		69		50.4		39.9	
Iron, Total	NS	22700		15800		36500		94500		139000		24900	
Lead, Total	63	2760		6.72		212		63.6		10.3		109	
Magnesium, Total	NS	3060		870		8870		850		554		4450	
Manganese, Total	1600	1140		97.8		1480		2200		1760		838	
Mercury, Total	0.18	0.57		0.08		1.9		0.12		ND		0.34	
Nickel, Total	30	14.6		4.36		16.8		64.4		46.1		20	
Potassium, Total	NS	782		292		2750		360		366		725	
Selenium, Total	3.9	0.993	J	0.262	J	2.45		2.99		3.24		0.698	J
Silver, Total	2	0.536	J	ND		0.482	J	0.477	J	0.468	J	ND	
Sodium, Total	NS	660		54.8	J	2300		82.5	J	70.3	J	244	
Vanadium, Total	NS	30.4		22.3		26.2		32.2		40.4		18.6	
Zinc, Total	109	578		13.5		306		99		11.4		85.3	
Cyanide, Total	27	ND		ND		0.78	J	ND		0.63	J	0.71	J

Notes:

All values are shown in mg/kg or parts per million.

Shaded values exceed their respective Unrestricted Use SCOs.

Only the compounds that were detected are listed.

ND = Not detected above the laboratory method detection limit

NS = No Standard

J = Estimated Value

E = Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument

P - The RPD between the results for the two columns exceeds the method-specified criteria.

*NYSDEC CP-51/Soil Cleanup Policy/NYSDEC Part 375 Unrestricted Use SCOs

TABLE 4.3-1
SUMMARY OF GROUNDWATER SAMPLING RESULTS AND REGULATORY VALUES
POESTENKILL PLACE
PHASE II ESA

	SAMPLE ID:	MW-1		MW-2		MW-3		MW-4		MW-5		MW-6	
	COLLECTION DATE:	3/19/2018		3/19/2018		3/19/2018		3/19/2018		3/19/2018		3/19/2018	
ANALYTE	NY-AWQS*	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg	Result	Flg
VOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8260													
Cyclohexane	NA	ND		ND		ND		ND		0.8	J	ND	
SEMIVOLATILE ORGANIC COMPOUNDS BY EPA METHOD 8270													
Acenaphthene	20 (GV)	ND		ND		ND		0.32		ND		ND	
Fluoranthene	50 (GV)	ND		ND		ND		0.59		ND		0.09	J
Benzo(a)anthracene	0.002 (GV)	ND		ND		ND		0.22		ND		0.04	J
Benzo(a)pyrene	0	ND		ND		ND		0.21		ND		ND	
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		ND		0.25		ND		0.04	J
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		ND		0.1		ND		ND	
Chrysene	0.002 (GV)	ND		ND		ND		0.24		ND		ND	
Acenaphthylene	NS	ND		ND		ND		0.08	J	ND		ND	
Anthracene	50 (GV)	ND		ND		ND		0.21		ND		ND	
Benzo(ghi)perylene	NS	ND		ND		ND		0.09	J	ND		ND	
Fluorene	50 (GV)	ND		ND		ND		0.33		ND		ND	
Phenanthrene	50 (GV)	0.02	J	ND		ND		1		ND		0.08	J
Indeno(1,2,3-cd)pyrene	0.002 (GV)	ND		ND		ND		0.1		ND		ND	
Pyrene	50 (GV)	ND		ND		ND		0.49		ND		0.07	J
ORGANOCHLORINE PESTICIDES													
4,4'-DDT	0.2	ND		0.014	J	ND		ND		ND		0.013	J
TOTAL METALS													
Aluminum, Total	NS	12500		7020		36200		17400		28000		2450	
Antimony, Total	3	0.94	J	0.69	J	1.3	J	1.65	J	0.85	J	ND	
Arsenic, Total	25	8.7		12.7		16.3		20.62		33.23		14.07	
Barium, Total	1000	329.2		645.9		1948		542.2		822.7		512.2	
Beryllium, Total	3 (GV)	0.87		0.57		5.16		1.2		2.2		0.17	J
Cadmium, Total	5	0.36		0.15	J	0.99		0.43		0.73		ND	
Calcium, Total	NS	108000		130000		164000		122000		134000		118000	
Chromium, Total	50	21.02		13.3		45.37		43.71		61.64		4.41	
Cobalt, Total	NS	17.21		7.48		49.02		27.92		37.04		3.23	
Copper, Total	200	31.21		18.65		88.95		94.28		70.88		7.94	
Iron, Total	300	31700		23800		65000		65300		86200		9900	
Lead, Total	25	25.94		37.25		75.56		470.8		80.14		6.82	
Magnesium, Total	35000	22500		21500		32300		24600		28300		20400	
Manganese, Total	300	2517		6039		16180		5636		5594		5871	
Mercury, Total	0.7	ND		0.06	J	0.08	J	0.89		ND		ND	
Nickel, Total	100	26.82		13.07		62.32		52.32		67.66		5.37	
Potassium, Total	NS	7880		9080		12000		10900		12800		10200	
Selenium, Total	10	6.78		2.05	J	18.7		5.46		7.08		ND	
Silver, Total	50	ND		ND		0.21	J	0.29	J	ND		ND	
Sodium, Total	20000	77000		88600		82800		94100		81600		96300	
Thallium, Total	0.5 (GV)	ND		ND		0.23	J	0.17	J	0.16	J	ND	
Vanadium, Total	NS	18.61		11.96		40.19		37.34		55.53		3.25	J
Zinc, Total	2000 (GV)	81.79		38.56		192.4		226.4		188.5		14.62	
Cyanide, Total	200	ND		3	J	3	J	5		10		7	

Notes:

Results are shown in ug/l (microgram per liter) or parts per billion.

Shaded values denote exceedance of groundwater standard or guidance value.

Only those compounds detected are shown.

GV = Guidance Value

NS = No Standard

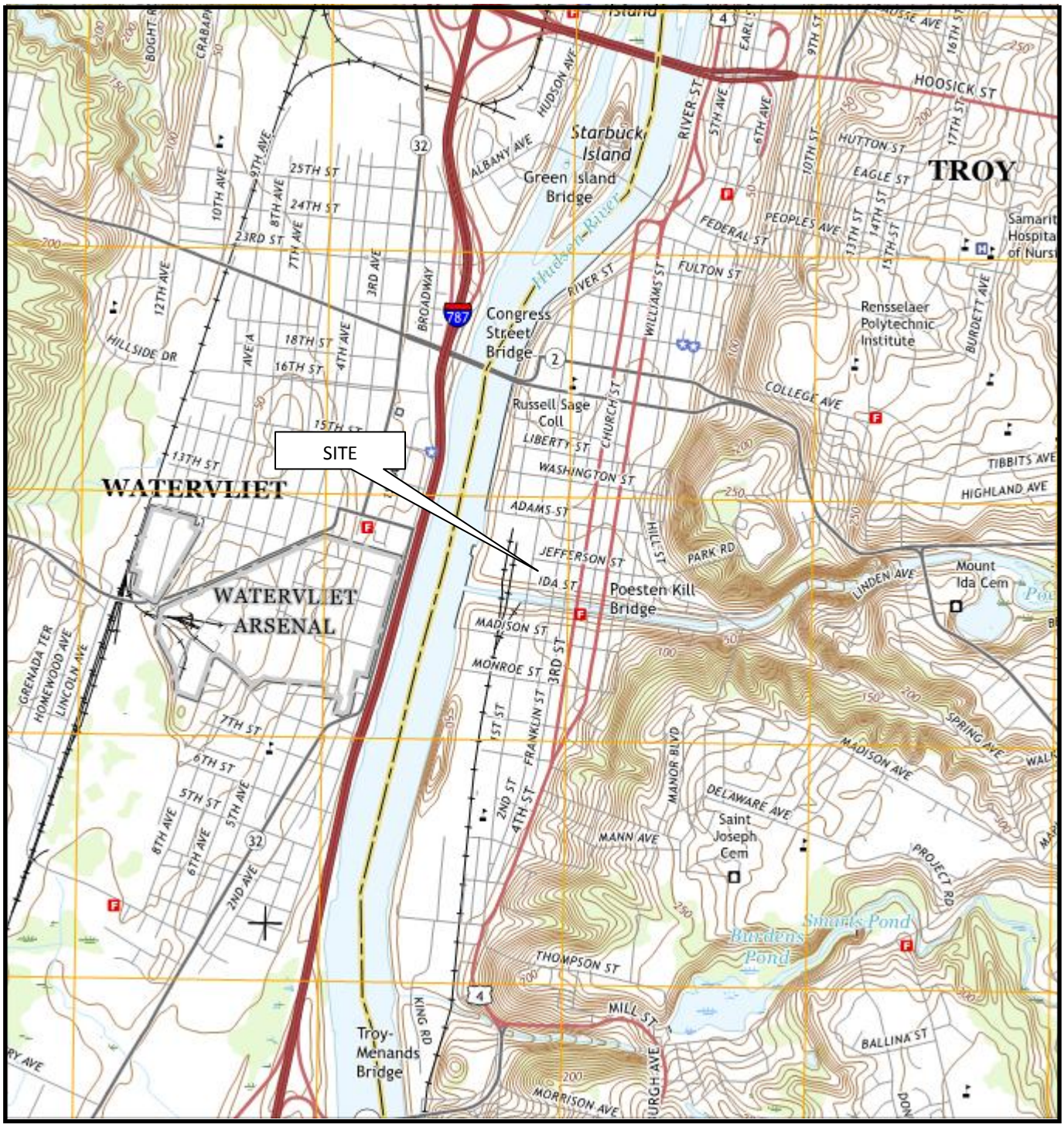
ND = Not detected above the laboratory method detection limit

J = Estimated value.

*TOGS 1.1.1, Ambient Water Quality Standards & Guidance Values & Groundwater Effluent Limitations, NYSDEC, June 1998 & Addendum, April 2000.

APPENDIX A

Figures/Maps

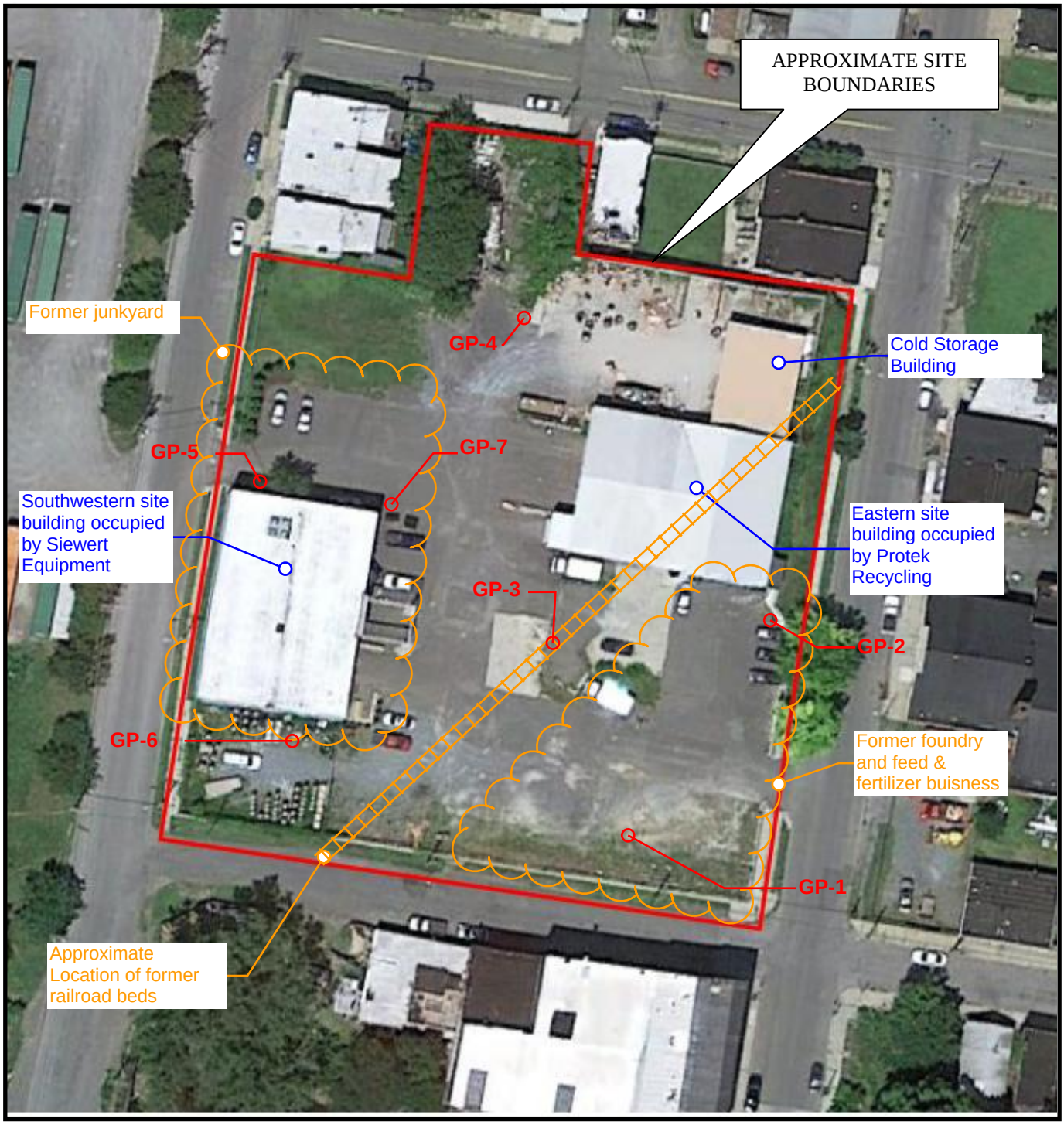


MAP REFERENCE
United States Geological Survey
7.5 Minute Series Topographic Map
Quadrangle: Troy South, NY
Date: 2016

C.T.MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE & LANDSCAPE ARCHITECTURE, D.P.C.
50 CENTURY HILL DRIVE
LATHAM, NY 12110

FIGURE 1 - SITE LOCATION MAP

CITY OF TROY	RENSSELAER COUNTY
SCALE: 1:2,000±	The locations and features depicted on this map are approximate and do not represent an actual survey.
DRAFTER: BAW	
PROJECT No: 17.7766	



MAP REFERENCE
2016 Aerial Photograph

N

C.T.MALE ASSOCIATES
ENGINEERING, SURVEYING, ARCHITECTURE & LANDSCAPE ARCHITECTURE, D.P.C.

50 CENTURY HILL DRIVE
LATHAM, NY 12110

SAMPLING LOCATIONS PLAN

CITY OF TROY	RENSSELAER COUNTY, NY
SCALE: NTS	The locations and features depicted on this map are approximate and do not represent an actual survey.
DRAFTER: BAW	
PROJECT No: 17.7766	

APPENDIX B

Subsurface Exploration Logs

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-1**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**1 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	1.5	Fine GRAVEL and tan fine to medium SAND, Some Silt (moist) 2.0'	
4		2		Brown medium to coarse SAND and BRICK, little silt (moist) 3.0'	
				WOOD (moist) 5.0'	Point drive utilized to push through wood layer
6		3	2.0	Brown medium to coarse SAND, Some fine Gravel, little clay (moist to wet)	
8		4			
10		5	3.0		
12		6			
				13.0'	Wet at ±12.0' bgs. Believed to be perched on underlaying clay
14		7	4.0	Brown to tan CLAY, little silt (moist)	
16		8			

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-1**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**2 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	3.0	Brown to tan CLAY, little silt (moist)	
		10		Brown CLAY and SILT, Some fine Sand (moist to wet)	Wet at ±18.5' bgs.
20				Fine GRAVEL, fine to coarse SAND, Some brown Clay (wet)	
22		11	1.5	Fractured ROCK, Some Clay (wet)	
24				Boring Terminated at 22' bgs. MW-1 Installed	
26					
28					
30					
32					

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-2**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**1 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	3.5	ASPHALT (moist) 0.33'	
4		2		Brown fine SAND, Some black fine Sand, little brick (moist)	
6		3	1.5		
8		4			
10		5	1.5	10.0'	
12		6		Brown medium to coarse SAND, Some fine Gravel, little clay (moist)	
14		7	NR		
16		8			

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-2**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**2 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	2.0	Brown medium to coarse SAND, Some fine Gravel, little clay (moist) 17.5'	
		10		Gray fine SAND, Some brown Organic Matter and Wood 19.0'	Wet at ±19.0' bgs.
20				Gray medium to coarse SAND and fine GRAVEL, little coarse gravel (wet)	
22		11	2.0		
		12			
24					
26				Boring Terminated at 24' bgs. MW-2 Installed	
28					
30					
32					

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-3**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**1 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	2.0	ASPHALT (moist) 0.5'	
				Brown medium SAND (moist) 2.0'	
4		2		Brown to black medium to coarse SAND, Some fine Gravel, little ceramic and brick (moist)	
6		3	4.0	5.5'	
8		4		Brown medium to coarse SAND, Some fine to medium Gravel (moist)	
10		5	3.5		
12		6			
14		7	4.0		
16		8			

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-3**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**2 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	1.5	Brown to tan CLAY, little fine sand (moist)	
20		10			
22		11	2.0	22.0'	
24		12		Gray fine to coarse SAND, Some medium Gravel, little silt (moist)	
26				Boring Terminated at 24' bgs. MW-3 Installed	
28					
30					
32					

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-4**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**1 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	2.5	Brown to black medium to coarse SAND, Some Silt, little cinders and brick (moist)	Sampler refusal at ±3.5' bgs., offset ±2.0' north
		2		3.0'	
4				Brown medium SAND, little fine to medium gravel and brick (moist)	
6		3	2.0		
		4		7.0'	
8				Black medium to fine Sand, little glass, trace metallic pieces (moist)	
10		5	2.5		Mild petroleum odor and black staining noted ±8-12'
		6		10.0'	
12				Brown to orange medium to coarse SAND, Some black fine to medium Sand, trace metallic pieces (moist)	
				12.0'	
14		7	2.5	Black fine to medium SAND, little glass, trace metallic pieces (moist) 13.0'	
		8		WOOD (possible fiber board), little black silt and brick (moist)	
16					

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-4**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**2 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	3.0	Wood PULP (possible fiber board), little black silt and brick (moist)	
				18.0'	
		10		Gray fine SAND, Some medium Gravel, little silt (moist to wet)	
20					Wet at ±19.0' bgs.
		11			Septic odor noted at ±20.0' bgs. and below
22			3.0	22.0'	
		12		WOOD (moist)	
				23.0'	
24				Gray fine SAND, Some medium Gravel, little silt (moist to wet)	
				Boring Terminated at 24' bgs.	
26				MW-4 Installed	
28					
30					
32					

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-5**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**1 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2	0-2	1	4.0	ASPHALT 0.33' Brown to black medium to coarse SAND, Some fine Gravel, little cinders, trace metallic pieces (moist)	
4	2-4	2		little coal noted at 3.75' bgs.	Mild petroleum odor and black staining noted ±4-8'
6	4-6	3	4.0		
8	6-8	4		7.0' Brown medium to coarse SAND and medium to coarse GRAVEL, little cinders, trace metallic pieces (moist) 8.0'	
10	8-10	5	4.0	Brown to red medium to coarse SAND and fine to medium GRAVEL, little cinders and coal (moist)	Sampler refusal at ±9.0' bgs., offset ±2.0' west
12	10-12	6			
14	12-14	7	3.0	14.0'	
16	14-16	8		Tan medium to coarse SAND (moist) 15.0' Gray CLAY, little fine gravel (moist)	

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-5**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**2 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	4.0	Gray CLAY and fine SAND, little medium to coarse gravel (moist to wet)	
		10		19.0'	Wet at ±19.0' bgs.
20				Fine to coarse GRAVEL, Some coarse Sand, little clay (wet)	
22		11	1.25		
		12			
24				Boring Terminated at 24' bgs. MW-5 Installed	
26					
28					
30					
32					

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-6**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**1 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	3.0	Crushed STONE and CONCRETE (moist)	
				2.0'	
4		2		Black medium to coarse SAND, Some Silt, little cinders, brick, trace coal and glass (moist) Grades to	
6		3	3.3	Brown medium to coarse SAND, Some Silt, little cinders, brick, trace coal and glass (moist)	
8		4		8.0'	
10		5	2.25	Brown medium to coarse SAND, Some fine to medium Gravel (moist)	
12		6		12.25'	
14		7	3.0	Tan CLAY (moist)	
16		8			

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-6**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**2 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
18		9	3.5	Tan CLAY grades to tan fine SAND from 16' to 18' (moist)	
		10		19.0'	Wet at ±19.0' bgs.
20				Fine to medium GRAVEL, little silt (wet)	
		11	3.0		
22					
		12			
24				Boring Terminated at 24' bgs. MW-6 Installed	
26					
28					
30					
32					

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY:
PAL

C.T. MALE ASSOCIATES

DIRECT-PUSH EXPLORATION LOG

BORING NO.:	**GP-7**		
ELEV.:	**-**	**DATUM:**	**-**
START DATE:	**3/16/18**	**FINISH DATE:**	**3/16/18**
SHEET	**1 of 2**		

PROJECT:	Poesten Kill Place Phase II ESA	CTM PROJECT NO.:	17.7766
LOCATION:	244-246 First Street, Troy NY	CTM OBSERVER:	Austin Lewandowski

DEPTH (FT)	SAMPLE INTERVAL	SAMPLE NUMBER	SAMPLE RECOVERY (FT)	SAMPLE CLASSIFICATION	NOTES
2		1	2.25	Brown to black fine to coarse SAND, Some fine Gravel 1.5'	
				Fine to medium COAL 2.5'	
4				Brown to black medium to coarse SAND, little coal and cinders, trace slag	
				Boring Terminated at 4' bgs. No MW Installed	
6					
8					
10					
12					
14					
16					

DRILLING CONTRACTOR:	Precision Environmental Services
DIRECT-PUSH TYPE:	Skid Steer Mounted Geoprobe
	4' Macrocore Sampler

GROUNDWATER LEVEL READINGS

DATE	LEVEL	REFERENCE MEASURING POINT

SAMPLE CLASSIFICATION BY: PAL

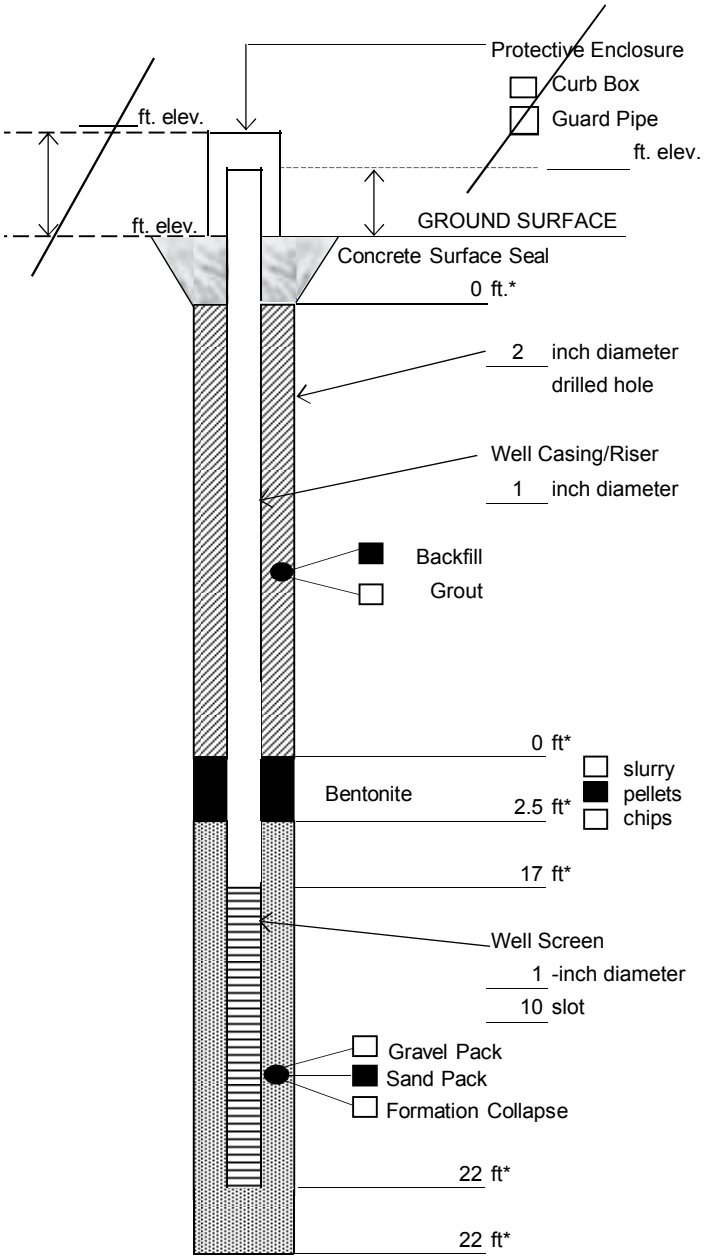
APPENDIX C

Monitoring Well Construction Logs

Well No. MW-1

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Poesten Kill Place Site Phase II ESA

244-246 First Street

Project Number: 17.7766

Well No.: MW-1 Boring No.: GP-1

Town/City: Troy

County: Rensselaer State: New York

Installation Date(s): 3/16/2018

Drilling Contractor: Precision Environmental Services

Drilling Method: Geoprobe

Water Depth From Top of Riser: - ft - (Date)

C.T. Male Observer: Austin Lewandowski

Materials Used

±1/4	Bags of Sand	(50	lb. bags)
	Sand Size: #2	Brand:	Fill-Pro
±1/10	Bags of Bentonite	(50	lb. bags)
	Brand:	Hole Plug	
5	ft. of	1 inch diameter 10 slot PVC	well screen
17	ft. of	1 inch diameter PVC	well riser
0	Bags of Cement/Concrete	(-	lb. bags)
	Brand:	-	

Grout Mixture:

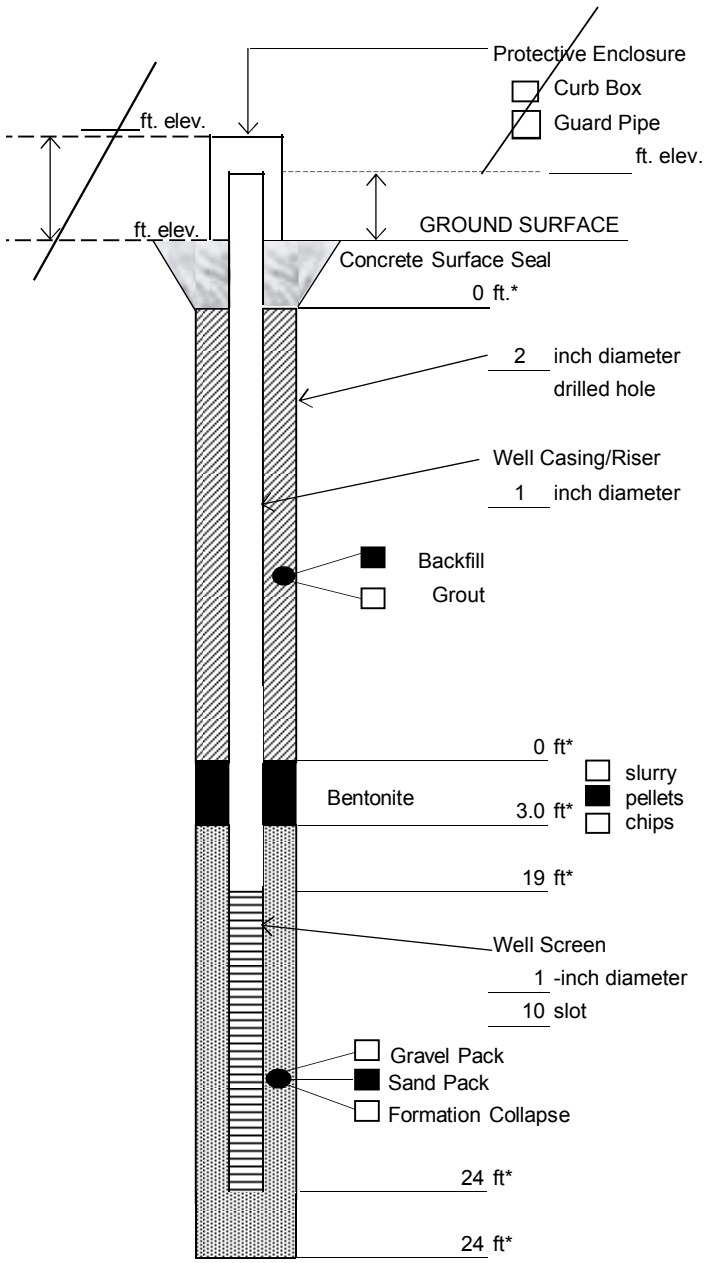
	Bags of Cement	(- lb. bags)
	Lbs. of Bentonite	
	Gallons of Water	
	Grout Batches	

Notes:

Well No. MW-2

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Poesten Kill Place Site Phase II ESA

244-246 First Street

Project Number: 17.7766

Well No.: MW-2 Boring No.: GP-2

Town/City: Troy

County: Rensselaer State: New York

Installation Date(s): 3/16/2018

Drilling Contractor: Precision Environmental Services

Drilling Method: Geoprobe

Water Depth From Top of Riser: - ft - (Date)

C.T. Male Observer: Austin Lewandowski

Materials Used

±1/4	Bags of Sand	(50	lb. bags)
	Sand Size: #2	Brand:	Fill-Pro
±1/10	Bags of Bentonite	(50	lb. bags)
	Brand:	Hole Plug	
5	ft. of	1 inch diameter 10 slot PVC	well screen
19	ft. of	1 inch diameter PVC	well riser
0	Bags of Cement/Concrete	(-	lb. bags)
	Brand:	-	

Grout Mixture:

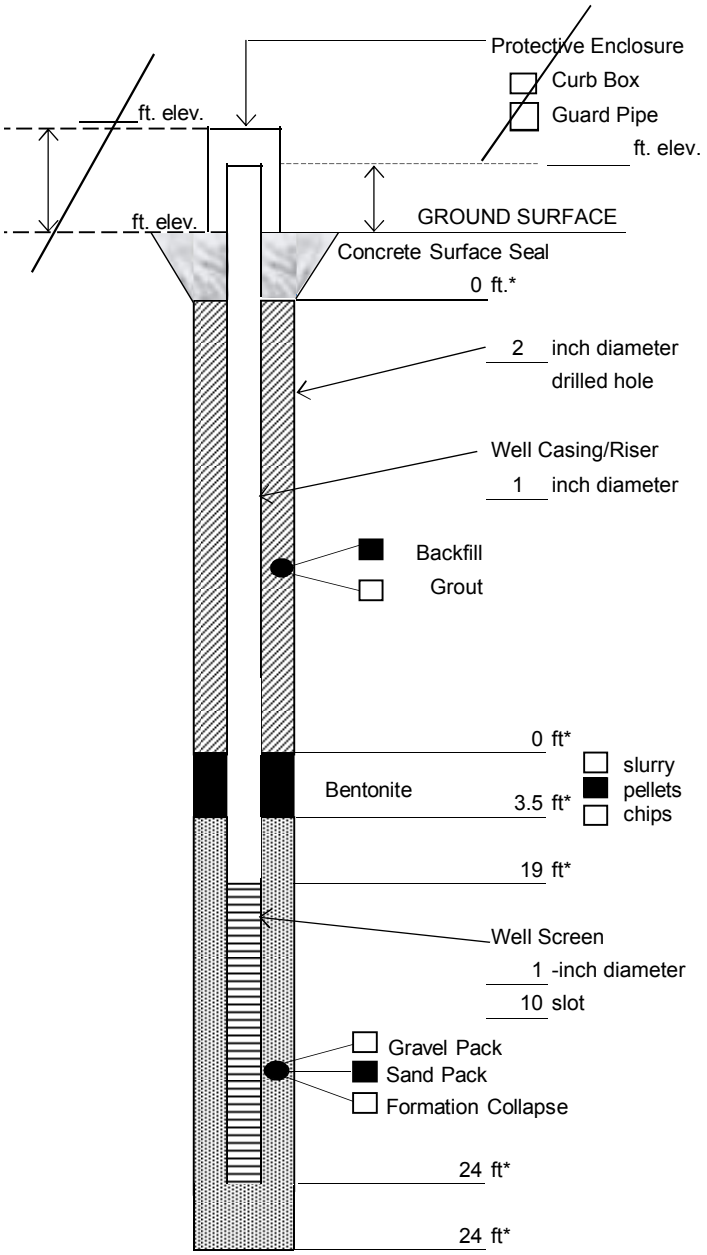
	Bags of Cement	(- lb. bags)
	Lbs. of Bentonite	
	Gallons of Water	
	Grout Batches	

Notes:

Well No. MW-3

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Poesten Kill Place Site Phase II ESA

244-246 First Street

Project Number: 17.7766

Well No.: MW-3 Boring No.: GP-3

Town/City: Troy

County: Rensselaer State: New York

Installation Date(s): 3/16/2018

Drilling Contractor: Precision Environmental Services

Drilling Method: Geoprobe

Water Depth From Top of Riser: - ft - (Date)

C.T. Male Observer: Austin Lewandowski

Materials Used

±1/4	Bags of Sand	(50	lb. bags)
	Sand Size: #2	Brand:	Fill-Pro
±1/10	Bags of Bentonite	(50	lb. bags)
	Brand:	Hole Plug	
5	ft. of	1 inch diameter 10 slot PVC	well screen
19	ft. of	1 inch diameter PVC	well riser
0	Bags of Cement/Concrete	(-	lb. bags)
	Brand:	-	

Grout Mixture:

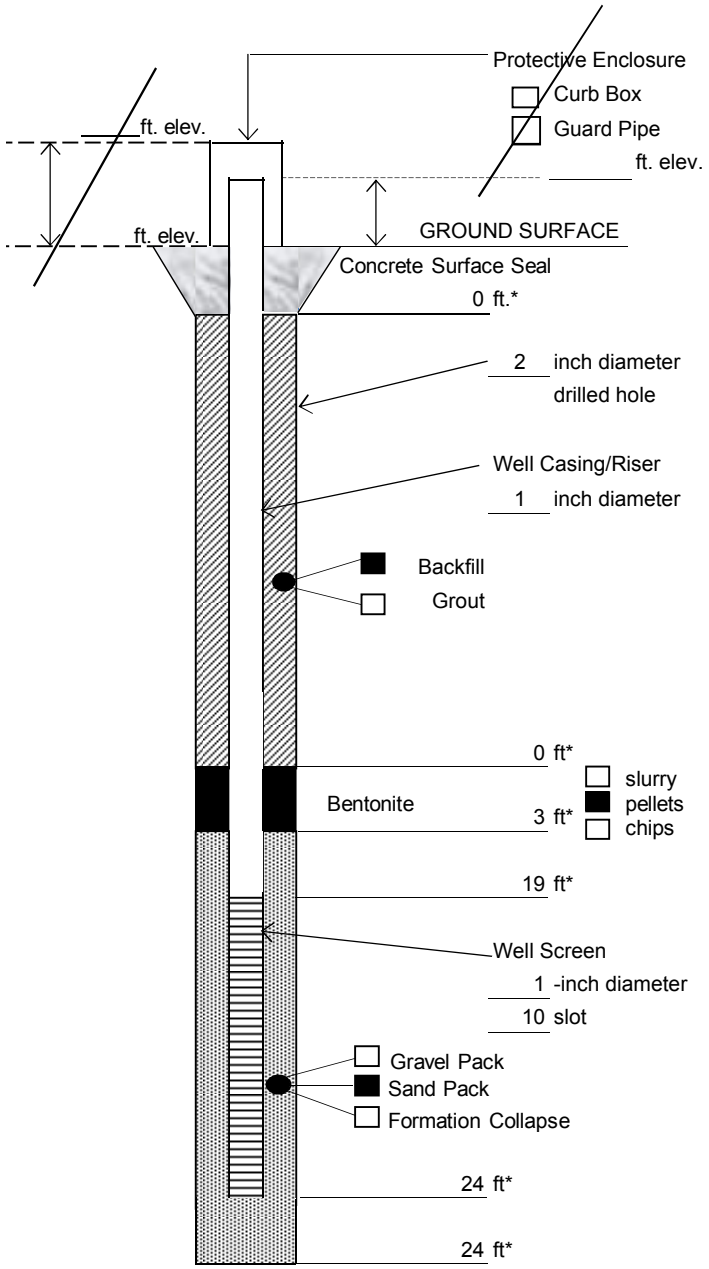
	Bags of Cement	(- lb. bags)
	Lbs. of Bentonite	
	Gallons of Water	
	Grout Batches	

Notes:

Well No. MW-4

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Poesten Kill Place Site Phase II ESA

244-246 First Street

Project Number: 16.6334

Well No.: MW-4 Boring No.: GP-4

Town/City: Troy

County: Rensselaer State: New York

Installation Date(s): 3/16/2018

Drilling Contractor: Precision Environmental Services

Drilling Method: Geoprobe

Water Depth From Top of Riser: - ft - (Date)

C.T. Male Observer: Austin Lewandowski

Materials Used

±1/4	Bags of Sand	(50	lb. bags)
	Sand Size: #2	Brand:	Fill-Pro
±1/10	Bags of Bentonite	(50	lb. bags)
	Brand:	Hole Plug	
5	ft. of	1 inch diameter 10 slot PVC	well screen
19	ft. of	1 inch diameter PVC	well riser
0	Bags of Cement/Concrete	(-	lb. bags)
	Brand:	-	

Grout Mixture:

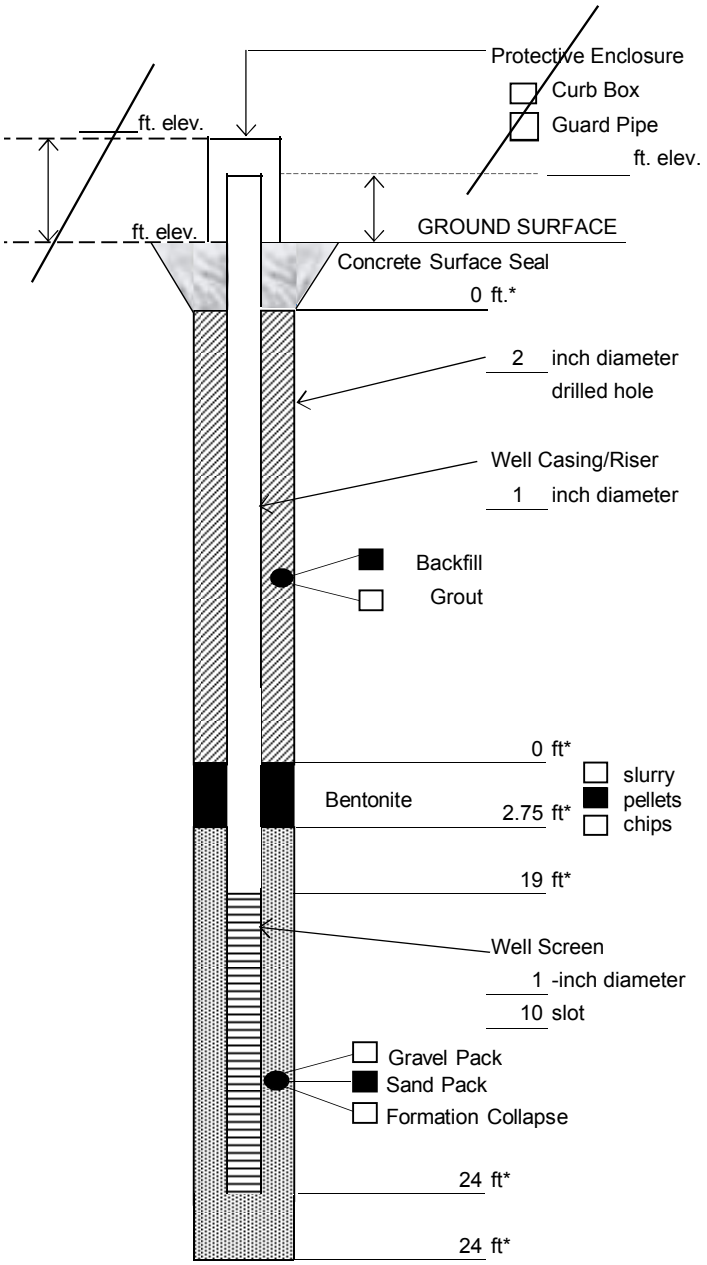
	Bags of Cement	(- lb. bags)
	Lbs. of Bentonite	
	Gallons of Water	
	Grout Batches	

Notes:

Well No. MW-5

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Poesten Kill Place Site Phase II ESA

244-246 First Street

Project Number: 16.6334

Well No.: MW-5 Boring No.: GP-5

Town/City: Troy

County: Rensselaer State: New York

Installation Date(s): 3/16/2018

Drilling Contractor: Precision Environmental Services

Drilling Method: Geoprobe

Water Depth From Top of Riser: - ft - (Date)

C.T. Male Observer: Austin Lewandowski

Materials Used

±1/4	Bags of Sand	(50	lb. bags)
	Sand Size: #2	Brand:	Fill-Pro
±1/10	Bags of Bentonite	(50	lb. bags)
	Brand:	Hole Plug	
5	ft. of	1 inch diameter 10 slot PVC	well screen
19	ft. of	1 inch diameter PVC	well riser
0	Bags of Cement/Concrete	(-	lb. bags)
	Brand:	-	

Grout Mixture:

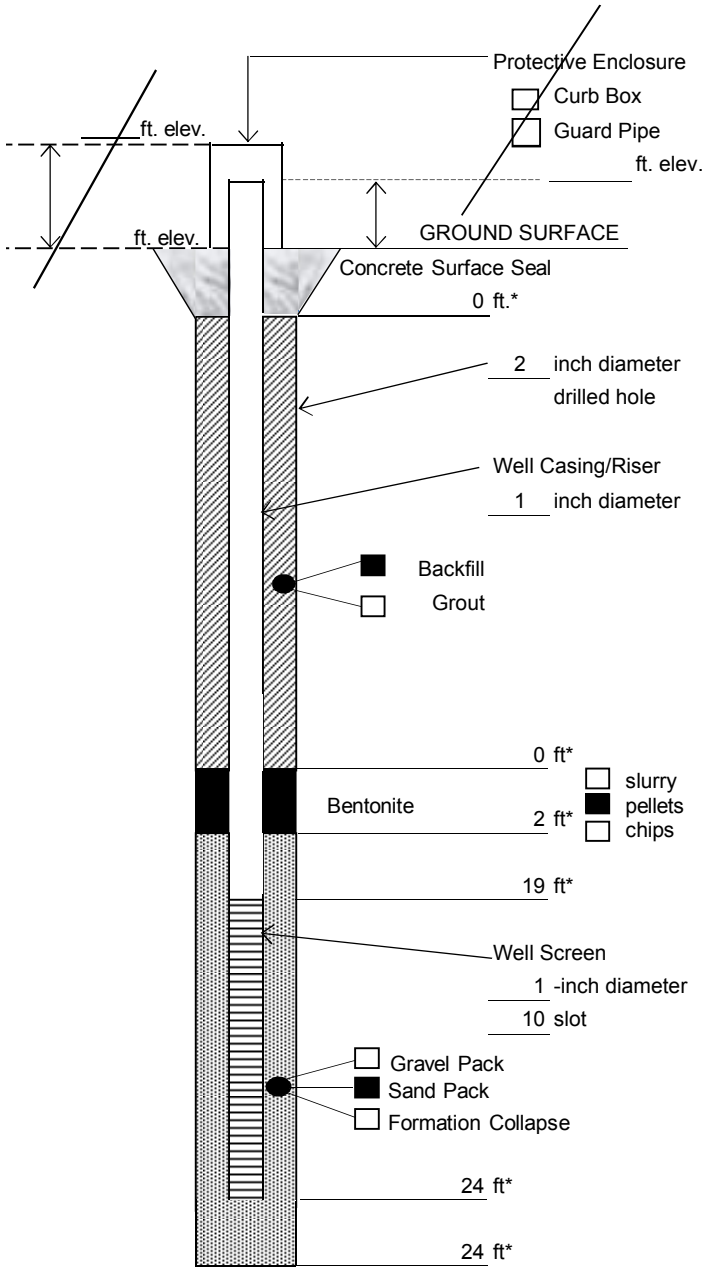
	Bags of Cement	(- lb. bags)
	Lbs. of Bentonite	
	Gallons of Water	
	Grout Batches	

Notes:

Well No. MW-6

MONITORING WELL CONSTRUCTION LOG

C.T. MALE ASSOCIATES



* Depth below ground surface.

Project Name: Poesten Kill Place Site Phase II ESA

244-246 First Street

Project Number: 16.6334

Well No.: MW-6 Boring No.: GP-6

Town/City: Troy

County: Rensselaer State: New York

Installation Date(s): 3/16/2018

Drilling Contractor: Precision Environmental Services

Drilling Method: Geoprobe

Water Depth From Top of Riser: - ft - (Date)

C.T. Male Observer: Austin Lewandowski

Materials Used

±1/4	Bags of Sand	(50	lb. bags)
	Sand Size: #2	Brand:	Fill-Pro
±1/10	Bags of Bentonite	(50	lb. bags)
	Brand:	Hole Plug	
5	ft. of	1 inch diameter 10 slot PVC	well screen
19	ft. of	1 inch diameter PVC	well riser
0	Bags of Cement/Concrete	(-	lb. bags)
	Brand:	-	

Grout Mixture:

	Bags of Cement	(- lb. bags)
	Lbs. of Bentonite	
	Gallons of Water	
	Grout Batches	

Notes:

APPENDIX D

Organic Vapor Headspace Analysis Logs

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Poestenkill Place		**PROJECT #:**	17.7766	**PAGE 1 OF 4**
CLIENT:	The Community Builders, Inc.				**DATE COLLECTED:** 3/16/2018
LOCATION:	244-246 First Street, City of Troy, New York				
INSTRUMENT USED:	Mini-Rae 3000	**LAMP**	10.6	**eV**	**DATE ANALYZED:** 3/16/2018
DATE INSTRUMENT CALIBRATED:	3/16/2018	**BY:**	PAL		
TEMPERATURE OF SOIL:	Ambient				**ANALYST:** PAL

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-1	1	0-2	Soil	0.0	0.0	NONS
GP-1	2	2-4	Soil	0.0	0.0	NONS
GP-1	3	4-6	Soil	0.0	0.0	NONS
GP-1	4	6-8	Soil	0.4	0.0	NONS
GP-1	5	8-10	Soil	0.0	0.0	NONS
GP-1	6	10-12	Soil	0.5	0.0	NONS
GP-1	7	12-14	Soil	0.0	0.0	NONS
GP-1	8	14-16	Soil	0.5	0.0	NONS
GP-1	9	16-18	Soil	0.0	0.0	NONS
GP-1	10	18-20	Soil	0.0	0.0	NONS
GP-1	11	20-22	Soil	0.1	0.0	NONS
GP-2	1	0-2	Soil	0.0	0.0	NONS
GP-2	2	2-4	Soil	0.2	0.0	NONS
GP-2	3	4-6	Soil	0.2	0.0	NONS
GP-2	4	6-8	Soil	0.1	0.0	NONS
GP-2	5	8-10	Soil	0.3	0.0	NONS
GP-2	6	10-12	Soil	0.3	0.0	NONS
GP-2	7	12-14	Soil	0.3	0.0	NONS
GP-2	8	14-16	Soil	0.5	0.0	NONS
GP-2	9	16-18	Soil	0.1	0.0	NONS
GP-2	10	18-20	Soil	0.1	0.0	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***FT represents depth of sample collected feet below ground surface
NONS = No odors, no staining

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Poestenkill Place		**PROJECT #:**	17.7766	**PAGE 2 OF 4**
CLIENT:	The Community Builders, Inc.				**DATE COLLECTED:** 3/16/2018
LOCATION:	244-246 First Street, City of Troy, New York				
INSTRUMENT USED:	Mini-Rae 3000	**LAMP**	10.6	**eV**	**DATE ANALYZED:** 3/16/2018
DATE INSTRUMENT CALIBRATED:	3/16/2018	**BY:**	PAL		
TEMPERATURE OF SOIL:	Ambient				**ANALYST:** PAL

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-3	1	0-2	Soil	0.0	0.0	NONS
GP-3	2	2-4	Soil	0.0	0.0	NONS
GP-3	3	4-6	Soil	0.0	0.0	NONS
GP-3	4	6-8	Soil	0.0	0.0	NONS
GP-3	5	8-10	Soil	0.0	0.0	NONS
GP-3	6	10-12	Soil	0.0	0.0	NONS
GP-3	7	12-14	Soil	0.0	0.0	NONS
GP-3	8	14-16	Soil	0.0	0.0	NONS
GP-3	9	16-18	Soil	0.0	0.0	NONS
GP-3	10	18-20	Soil	0.0	0.0	NONS
GP-3	11	20-22	Soil	0.0	0.0	NONS
GP-3	12	22-24	Soil	0.0	0.0	NONS
GP-4	1	0-2	Soil	0.0	0.0	NONS
GP-4	2	2-4	Soil	11.2	0.0	NONS
GP-4	3	4-6	Soil	1.9	0.0	NONS
GP-4	4	6-8	Soil	1.5	0.0	NONS
GP-4	5	8-10	Soil	25.5	0.0	Mild Petro Odor/Black Stain
GP-4	6	10-12	Soil	72.6	0.0	Mild Petro Odor/Black Stain
GP-4	7	12-14	Soil	0.7	0.0	NONS
GP-4	8	14-16	Soil	1.0	0.0	NONS
GP-4	9	16-18	Soil	1.7	0.0	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***FT represents depth of sample collected feet below ground surface
NONS = No odors, no staining

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Poestenkill Place		**PROJECT #:**	17.7766	**PAGE 3 OF 4**
CLIENT:	The Community Builders, Inc.				**DATE COLLECTED:** 3/16/2018
LOCATION:	244-246 First Street, City of Troy, New York				
INSTRUMENT USED:	Mini-Rae 3000	**LAMP**	10.6	**eV**	**DATE ANALYZED:** 3/16/2018
DATE INSTRUMENT CALIBRATED:	3/16/2018	**BY:**	PAL		
TEMPERATURE OF SOIL:	Ambient				**ANALYST:** PAL

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-4	10	18-20	Soil	0.1	0.0	NONS
GP-4	11	20-22	Soil	0.3	0.0	Mild Septic Odor/NS
GP-4	12	22-24	Soil	0.8	0.0	Mild Septic Odor/NS
GP-5	1	0-2	Soil	1.7	0.0	NONS
GP-5	2	2-4	Soil	9.3	0.0	NONS
GP-5	3	4-6	Soil	15.4	0.0	Slight Petro Odor/NS
GP-5	4	6-8	Soil	18.5	0.0	Slight Petro Odor/NS
GP-5	5	8-10	Soil	11.3	0.0	NONS
GP-5	6	10-12	Soil	10.1	0.0	NONS
GP-5	7	12-14	Soil	9.4	0.0	NONS
GP-5	8	14-16	Soil	0.8	0.0	NONS
GP-5	9	16-18	Soil	2.9	0.0	NONS
GP-5	10	18-20	Soil	3.3	0.0	NONS
GP-5	11	20-22	Soil	0.9	0.0	NONS
GP-5	12	22-24	Soil	1.3	0.0	NONS
GP-6	1	0-2	Soil	0.1	0.0	NONS
GP-6	2	2-4	Soil	0.2	0.0	NONS
GP-6	3	4-6	Soil	0.5	0.0	NONS
GP-6	4	6-8	Soil	0.7	0.0	NONS
GP-6	5	8-10	Soil	0.8	0.0	NONS
GP-6	6	10-12	Soil	0.7	0.0	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***FT represents depth of sample collected feet below ground surface
NONS = No odors, no staining

ORGANIC VAPOR HEADSPACE ANALYSIS LOG

PROJECT:	Poestenkill Place	**PROJECT #:**	17.7766	**PAGE 4 OF 4**
CLIENT:	The Community Builders, Inc.			**DATE COLLECTED:** 3/16/2018
LOCATION:	244-246 First Street, City of Troy, New York			
INSTRUMENT USED:	Mini-Rae 3000	**LAMP**	10.6 **eV**	**DATE ANALYZED:** 3/16/2018
DATE INSTRUMENT CALIBRATED:	3/16/2018	**BY:**	PAL	
TEMPERATURE OF SOIL:	Ambient			**ANALYST:** PAL

EXPLORATION NUMBER	SAMPLE NUMBER	DEPTH (FT.)***	SAMPLE TYPE	SAMPLE READING (PPM)**	BACKGROUND READING (PPM)**	REMARKS
GP-6	7	12-14	Soil	0.2	0.0	NONS
GP-6	8	14-16	Soil	0.8	0.0	NONS
GP-6	9	16-18	Soil	0.7	0.0	NONS
GP-6	10	18-20	Soil	0.5	0.0	NONS
GP-6	11	20-22	Soil	0.4	0.0	NONS
GP-6	12	22-24	Soil	0.2	0.0	NONS
GP-7	1	0.5-2	Soil	1.0	0.0	NONS

*Instrument was calibrated in accordance with manufacturer's recommended procedure using a calibration gas supplied by the manufacturer.
**PPM represents concentration of detectable volatile and gaseous compounds in parts per million of air.
***FT represents depth of sample collected feet below ground surface
NONS = No odors, no staining

APPENDIX E

Laboratory Analysis Report for Soil

ANALYTICAL REPORT

Lab Number:	L1809181
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Aimee Smith
Phone:	(518) 786-7400
Project Name:	POESTEN KILL PLACE PII
Project Number:	17.7766
Report Date:	03/23/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1809181-01	GP01-2-4	SOIL	TROY, NY	03/16/18 15:00	03/16/18
L1809181-02	GP02-4-6	SOIL	TROY, NY	03/16/18 15:05	03/16/18
L1809181-03	GP03-2-4	SOIL	TROY, NY	03/16/18 15:10	03/16/18
L1809181-04	GP04-10-12	SOIL	TROY, NY	03/16/18 15:15	03/16/18
L1809181-05	GP05-6-8	SOIL	TROY, NY	03/16/18 15:20	03/16/18
L1809181-06	GP06-4-6	SOIL	TROY, NY	03/16/18 15:25	03/16/18
L1809181-07	GP05-0.5-2	SOIL	TROY, NY	03/16/18 15:30	03/16/18
L1809181-08	GP07-0.5-2	SOIL	TROY, NY	03/16/18 15:35	03/16/18
L1809181-09	GP06-2-4	SOIL	TROY, NY	03/16/18 15:40	03/16/18

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809181
Project Number:	17.7766	**Report Date:**	03/23/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809181
Project Number:	17.7766	**Report Date:**	03/23/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1809181-05 and -06: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

Total Metals

L1809181-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1098926-3 MS recoveries for aluminum (132%), calcium (0%), copper (493%), iron (0%), lead (0%), manganese (0%) and zinc (0%), performed on L1809181-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

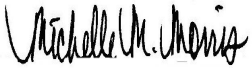
The WG1098926-3 MS recoveries, performed on L1809181-01, are outside the acceptance criteria for barium (74%), chromium (45%), magnesium (50%) and vanadium (72%). A post digestion spike was performed and yielded unacceptable recoveries for chromium (77%) and magnesium (70%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG1098926-4 Laboratory Duplicate RPDs for chromium (36%), copper (32%), lead (82%), manganese (77%) and zinc (26%), performed on L1809181-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total

The WG1098947-2/-3 LCS/LCSD recoveries (65%/63%), associated with L1809181-01 through -06, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 03/23/18

ORGANICS

VOLATILES

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01
Client ID: GP01-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:00
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/22/18 15:36
Analyst: MKS
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18	3.0	1
1,1-Dichloroethane	ND		ug/kg	2.7	0.49	1
Chloroform	ND		ug/kg	2.7	0.67	1
Carbon tetrachloride	ND		ug/kg	1.8	0.62	1
1,2-Dichloropropane	ND		ug/kg	6.3	0.41	1
Dibromochloromethane	ND		ug/kg	1.8	0.32	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	0.57	1
Tetrachloroethene	ND		ug/kg	1.8	0.55	1
Chlorobenzene	ND		ug/kg	1.8	0.63	1
Trichlorofluoromethane	ND		ug/kg	9.0	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.44	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.63	1
Bromodichloromethane	ND		ug/kg	1.8	0.56	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.38	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.42	1
Bromoform	ND		ug/kg	7.2	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.54	1
Benzene	ND		ug/kg	1.8	0.35	1
Toluene	1.6	J	ug/kg	2.7	0.35	1
Ethylbenzene	ND		ug/kg	1.8	0.31	1
Chloromethane	ND		ug/kg	9.0	0.79	1
Bromomethane	ND		ug/kg	3.6	0.61	1
Vinyl chloride	ND		ug/kg	3.6	0.57	1
Chloroethane	ND		ug/kg	3.6	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.67	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.44	1
Trichloroethene	ND		ug/kg	1.8	0.55	1
1,2-Dichlorobenzene	ND		ug/kg	9.0	0.33	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01 Date Collected: 03/16/18 15:00

Client ID: GP01-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	9.0	0.39	1
1,4-Dichlorobenzene	ND		ug/kg	9.0	0.33	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.28	1
p/m-Xylene	ND		ug/kg	3.6	0.63	1
o-Xylene	ND		ug/kg	3.6	0.61	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.62	1
Styrene	ND		ug/kg	3.6	0.72	1
Dichlorodifluoromethane	ND		ug/kg	18	0.90	1
Acetone	15	J	ug/kg	18	4.1	1
Carbon disulfide	ND		ug/kg	18	2.0	1
2-Butanone	ND		ug/kg	18	1.2	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.44	1
2-Hexanone	ND		ug/kg	18	1.2	1
Bromochloromethane	ND		ug/kg	9.0	0.64	1
1,2-Dibromoethane	ND		ug/kg	7.2	0.36	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.0	0.72	1
Isopropylbenzene	ND		ug/kg	1.8	0.35	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.0	0.45	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.0	0.39	1
Methyl Acetate	ND		ug/kg	36	0.84	1
Cyclohexane	ND		ug/kg	36	0.78	1
1,4-Dioxane	ND		ug/kg	72	26.	1
Freon-113	ND		ug/kg	36	0.93	1
Methyl cyclohexane	ND		ug/kg	7.2	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	100		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02 Date Collected: 03/16/18 15:05
Client ID: GP02-4-6 Date Received: 03/16/18
Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/22/18 16:03
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.4	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.94	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.21	1
Dibromochloromethane	ND		ug/kg	0.94	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.94	0.28	1
Chlorobenzene	ND		ug/kg	0.94	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.39	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	0.33	1
Bromodichloromethane	ND		ug/kg	0.94	0.29	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	0.22	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	0.28	1
Benzene	ND		ug/kg	0.94	0.18	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.94	0.16	1
Chloromethane	ND		ug/kg	4.7	0.41	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.30	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Trichloroethene	ND		ug/kg	0.94	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02 Date Collected: 03/16/18 15:05

Client ID: GP02-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.14	1
p/m-Xylene	ND		ug/kg	1.9	0.33	1
o-Xylene	ND		ug/kg	1.9	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.32	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.47	1
Acetone	3.0	J	ug/kg	9.4	2.1	1
Carbon disulfide	ND		ug/kg	9.4	1.0	1
2-Butanone	ND		ug/kg	9.4	0.65	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	0.23	1
2-Hexanone	ND		ug/kg	9.4	0.62	1
Bromochloromethane	ND		ug/kg	4.7	0.33	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.37	1
Isopropylbenzene	ND		ug/kg	0.94	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.20	1
Methyl Acetate	ND		ug/kg	19	0.43	1
Cyclohexane	ND		ug/kg	19	0.40	1
1,4-Dioxane	ND		ug/kg	37	13.	1
Freon-113	ND		ug/kg	19	0.48	1
Methyl cyclohexane	ND		ug/kg	3.7	0.22	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03
Client ID: GP03-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:10
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/22/18 15:04
Analyst: AD
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.36	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.40	1
Bromodichloromethane	ND		ug/kg	1.1	0.35	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.26	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Chloromethane	ND		ug/kg	5.7	0.50	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.28	1
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03 Date Collected: 03/16/18 15:10

Client ID: GP03-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.17	1
p/m-Xylene	ND		ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.39	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.57	1
Acetone	ND		ug/kg	11	2.6	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.79	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.41	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Isopropylbenzene	ND		ug/kg	1.1	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.24	1
Methyl Acetate	ND		ug/kg	23	0.53	1
Cyclohexane	ND		ug/kg	23	0.49	1
1,4-Dioxane	ND		ug/kg	46	16.	1
Freon-113	ND		ug/kg	23	0.59	1
Methyl cyclohexane	ND		ug/kg	4.6	0.27	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	89		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04
Client ID: GP04-10-12
Sample Location: TROY, NY

Date Collected: 03/16/18 15:15
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/22/18 15:31
Analyst: AD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.29	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.37	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.38	1
Bromodichloromethane	ND		ug/kg	1.1	0.33	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.25	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.32	1
Benzene	0.76	J	ug/kg	1.1	0.21	1
Toluene	0.58	J	ug/kg	1.6	0.21	1
Ethylbenzene	0.42	J	ug/kg	1.1	0.18	1
Chloromethane	0.69	J	ug/kg	5.4	0.47	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.34	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1
Trichloroethene	ND		ug/kg	1.1	0.33	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04 Date Collected: 03/16/18 15:15

Client ID: GP04-10-12 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.38	1
o-Xylene	ND		ug/kg	2.2	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.37	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.54	1
Acetone	110		ug/kg	11	2.5	1
Carbon disulfide	4.2	J	ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.75	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.39	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Isopropylbenzene	ND		ug/kg	1.1	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.27	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.23	1
Methyl Acetate	ND		ug/kg	22	0.50	1
Cyclohexane	ND		ug/kg	22	0.47	1
1,4-Dioxane	ND		ug/kg	43	16.	1
Freon-113	ND		ug/kg	22	0.56	1
Methyl cyclohexane	0.84	J	ug/kg	4.3	0.26	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	90		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05
Client ID: GP05-6-8
Sample Location: TROY, NY

Date Collected: 03/16/18 15:20
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/21/18 22:27
Analyst: MV
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	880	140	1
1,1-Dichloroethane	ND		ug/kg	130	24.	1
Chloroform	ND		ug/kg	130	32.	1
Carbon tetrachloride	ND		ug/kg	88	30.	1
1,2-Dichloropropane	ND		ug/kg	310	20.	1
Dibromochloromethane	ND		ug/kg	88	15.	1
1,1,2-Trichloroethane	ND		ug/kg	130	27.	1
Tetrachloroethene	ND		ug/kg	88	26.	1
Chlorobenzene	ND		ug/kg	88	30.	1
Trichlorofluoromethane	ND		ug/kg	440	36.	1
1,2-Dichloroethane	ND		ug/kg	88	22.	1
1,1,1-Trichloroethane	ND		ug/kg	88	31.	1
Bromodichloromethane	ND		ug/kg	88	27.	1
trans-1,3-Dichloropropene	ND		ug/kg	88	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	88	20.	1
Bromoform	ND		ug/kg	350	21.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	88	26.	1
Benzene	54	J	ug/kg	88	17.	1
Toluene	58	J	ug/kg	130	17.	1
Ethylbenzene	37	J	ug/kg	88	15.	1
Chloromethane	ND		ug/kg	440	38.	1
Bromomethane	ND		ug/kg	180	30.	1
Vinyl chloride	ND		ug/kg	180	28.	1
Chloroethane	ND		ug/kg	180	28.	1
1,1-Dichloroethene	ND		ug/kg	88	33.	1
trans-1,2-Dichloroethene	ND		ug/kg	130	21.	1
Trichloroethene	ND		ug/kg	88	26.	1
1,2-Dichlorobenzene	ND		ug/kg	440	16.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05 Date Collected: 03/16/18 15:20

Client ID: GP05-6-8 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	440	19.	1
1,4-Dichlorobenzene	ND		ug/kg	440	16.	1
Methyl tert butyl ether	ND		ug/kg	180	13.	1
p/m-Xylene	35	J	ug/kg	180	31.	1
o-Xylene	ND		ug/kg	180	30.	1
cis-1,2-Dichloroethene	ND		ug/kg	88	30.	1
Styrene	ND		ug/kg	180	35.	1
Dichlorodifluoromethane	ND		ug/kg	880	44.	1
Acetone	ND		ug/kg	880	200	1
Carbon disulfide	ND		ug/kg	880	96.	1
2-Butanone	ND		ug/kg	880	60.	1
4-Methyl-2-pentanone	ND		ug/kg	880	21.	1
2-Hexanone	ND		ug/kg	880	58.	1
Bromochloromethane	ND		ug/kg	440	31.	1
1,2-Dibromoethane	ND		ug/kg	350	17.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	440	35.	1
Isopropylbenzene	ND		ug/kg	88	17.	1
1,2,3-Trichlorobenzene	ND		ug/kg	440	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	440	19.	1
Methyl Acetate	ND		ug/kg	1800	41.	1
Cyclohexane	360	J	ug/kg	1800	38.	1
1,4-Dioxane	ND		ug/kg	3500	1300	1
Freon-113	ND		ug/kg	1800	45.	1
Methyl cyclohexane	27	J	ug/kg	350	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06
Client ID: GP06-4-6
Sample Location: TROY, NY

Date Collected: 03/16/18 15:25
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/21/18 22:52
Analyst: MV
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	630	100	1
1,1-Dichloroethane	ND		ug/kg	94	17.	1
Chloroform	ND		ug/kg	94	23.	1
Carbon tetrachloride	ND		ug/kg	63	22.	1
1,2-Dichloropropane	ND		ug/kg	220	14.	1
Dibromochloromethane	ND		ug/kg	63	11.	1
1,1,2-Trichloroethane	ND		ug/kg	94	20.	1
Tetrachloroethene	ND		ug/kg	63	19.	1
Chlorobenzene	ND		ug/kg	63	22.	1
Trichlorofluoromethane	ND		ug/kg	310	26.	1
1,2-Dichloroethane	ND		ug/kg	63	15.	1
1,1,1-Trichloroethane	ND		ug/kg	63	22.	1
Bromodichloromethane	ND		ug/kg	63	19.	1
trans-1,3-Dichloropropene	ND		ug/kg	63	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	63	14.	1
Bromoform	ND		ug/kg	250	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	63	19.	1
Benzene	ND		ug/kg	63	12.	1
Toluene	ND		ug/kg	94	12.	1
Ethylbenzene	ND		ug/kg	63	11.	1
Chloromethane	ND		ug/kg	310	27.	1
Bromomethane	ND		ug/kg	120	21.	1
Vinyl chloride	ND		ug/kg	120	20.	1
Chloroethane	ND		ug/kg	120	20.	1
1,1-Dichloroethene	ND		ug/kg	63	23.	1
trans-1,2-Dichloroethene	ND		ug/kg	94	15.	1
Trichloroethene	ND		ug/kg	63	19.	1
1,2-Dichlorobenzene	ND		ug/kg	310	11.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06 Date Collected: 03/16/18 15:25

Client ID: GP06-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	310	14.	1
1,4-Dichlorobenzene	ND		ug/kg	310	11.	1
Methyl tert butyl ether	ND		ug/kg	120	9.6	1
p/m-Xylene	ND		ug/kg	120	22.	1
o-Xylene	ND		ug/kg	120	21.	1
cis-1,2-Dichloroethene	ND		ug/kg	63	22.	1
Styrene	ND		ug/kg	120	25.	1
Dichlorodifluoromethane	ND		ug/kg	630	31.	1
Acetone	ND		ug/kg	630	140	1
Carbon disulfide	ND		ug/kg	630	69.	1
2-Butanone	110	J	ug/kg	630	43.	1
4-Methyl-2-pentanone	ND		ug/kg	630	15.	1
2-Hexanone	ND		ug/kg	630	42.	1
Bromochloromethane	ND		ug/kg	310	22.	1
1,2-Dibromoethane	ND		ug/kg	250	12.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	310	25.	1
Isopropylbenzene	ND		ug/kg	63	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	310	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	310	14.	1
Methyl Acetate	32	J	ug/kg	1200	29.	1
Cyclohexane	ND		ug/kg	1200	27.	1
1,4-Dioxane	ND		ug/kg	2500	910	1
Freon-113	ND		ug/kg	1200	32.	1
Methyl cyclohexane	19	J	ug/kg	250	15.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/21/18 18:10
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06 Batch: WG1099427-5					
Methylene chloride	ND		ug/kg	500	82.
1,1-Dichloroethane	ND		ug/kg	75	14.
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	17.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	8.8
1,1,2-Trichloroethane	ND		ug/kg	75	16.
Tetrachloroethene	ND		ug/kg	50	15.
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	21.
1,2-Dichloroethane	ND		ug/kg	50	12.
1,1,1-Trichloroethane	ND		ug/kg	50	18.
Bromodichloromethane	ND		ug/kg	50	15.
trans-1,3-Dichloropropene	ND		ug/kg	50	10.
cis-1,3-Dichloropropene	ND		ug/kg	50	12.
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	15.
Benzene	ND		ug/kg	50	9.6
Toluene	ND		ug/kg	75	9.8
Ethylbenzene	ND		ug/kg	50	8.5
Chloromethane	ND		ug/kg	250	22.
Bromomethane	72	J	ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	16.
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	19.
trans-1,2-Dichloroethene	ND		ug/kg	75	12.
Trichloroethene	ND		ug/kg	50	15.
1,2-Dichlorobenzene	ND		ug/kg	250	9.1
1,3-Dichlorobenzene	ND		ug/kg	250	11.

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/21/18 18:10
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06 Batch: WG1099427-5					
1,4-Dichlorobenzene	ND		ug/kg	250	9.1
Methyl tert butyl ether	ND		ug/kg	100	7.6
p/m-Xylene	ND		ug/kg	100	18.
o-Xylene	ND		ug/kg	100	17.
cis-1,2-Dichloroethene	ND		ug/kg	50	17.
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	25.
Acetone	ND		ug/kg	500	110
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	34.
4-Methyl-2-pentanone	ND		ug/kg	500	12.
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	18.
1,2-Dibromoethane	ND		ug/kg	200	10.
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Isopropylbenzene	ND		ug/kg	50	9.7
1,2,3-Trichlorobenzene	ND		ug/kg	250	12.
1,2,4-Trichlorobenzene	ND		ug/kg	250	11.
Methyl Acetate	ND		ug/kg	1000	23.
Cyclohexane	ND		ug/kg	1000	22.
1,4-Dioxane	ND		ug/kg	2000	720
Freon-113	ND		ug/kg	1000	26.
Methyl cyclohexane	ND		ug/kg	200	12.

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/21/18 18:10
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06 Batch: WG1099427-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/18 07:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1099522-5					
Methylene chloride	4.0	J	ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/18 07:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1099522-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	7.4	J	ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Tentatively Identified Compounds			
Total TIC Compounds	2.16	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	2.16	NJ	ug/kg

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/18 07:45
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1099522-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/18 07:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG1099610-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/18 07:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG1099610-5					
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	3.5	J	ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/18 07:37
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-04 Batch: WG1099610-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG1099427-3 WG1099427-4								
Methylene chloride	99		99		70-130	0		30
1,1-Dichloroethane	105		103		70-130	2		30
Chloroform	106		105		70-130	1		30
Carbon tetrachloride	110		108		70-130	2		30
1,2-Dichloropropane	101		102		70-130	1		30
Dibromochloromethane	98		98		70-130	0		30
1,1,2-Trichloroethane	101		101		70-130	0		30
Tetrachloroethene	96		95		70-130	1		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	136		115		70-139	17		30
1,2-Dichloroethane	107		106		70-130	1		30
1,1,1-Trichloroethane	107		106		70-130	1		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	100		100		70-130	0		30
cis-1,3-Dichloropropene	99		99		70-130	0		30
Bromoform	92		95		70-130	3		30
1,1,2,2-Tetrachloroethane	101		102		70-130	1		30
Benzene	101		101		70-130	0		30
Toluene	94		93		70-130	1		30
Ethylbenzene	100		100		70-130	0		30
Chloromethane	88		86		52-130	2		30
Bromomethane	**154**	Q	147		57-147	5		30
Vinyl chloride	128		126		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG1099427-3 WG1099427-4								
Chloroethane	148		147		50-151	1		30
1,1-Dichloroethene	98		97		65-135	1		30
trans-1,2-Dichloroethene	101		100		70-130	1		30
Trichloroethene	104		103		70-130	1		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	100		101		70-130	1		30
1,4-Dichlorobenzene	100		99		70-130	1		30
Methyl tert butyl ether	97		97		66-130	0		30
p/m-Xylene	102		101		70-130	1		30
o-Xylene	100		101		70-130	1		30
cis-1,2-Dichloroethene	103		101		70-130	2		30
Styrene	99		99		70-130	0		30
Dichlorodifluoromethane	77		75		30-146	3		30
Acetone	**144**	Q	**214**	Q	54-140	**39**	Q	30
Carbon disulfide	96		95		59-130	1		30
2-Butanone	108		**139**	Q	70-130	25		30
4-Methyl-2-pentanone	89		90		70-130	1		30
2-Hexanone	96		119		70-130	21		30
Bromochloromethane	106		106		70-130	0		30
1,2-Dibromoethane	103		104		70-130	1		30
1,2-Dibromo-3-chloropropane	84		83		68-130	1		30
Isopropylbenzene	96		96		70-130	0		30
1,2,3-Trichlorobenzene	96		99		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG1099427-3 WG1099427-4								
1,2,4-Trichlorobenzene	96		95		70-130	1		30
Methyl Acetate	96		96		51-146	0		30
Cyclohexane	86		85		59-142	1		30
1,4-Dioxane	102		104		65-136	2		30
Freon-113	99		96		50-139	3		30
Methyl cyclohexane	90		89		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		110		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	95		96		70-130
Dibromofluoromethane	103		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1099522-3 WG1099522-4								
Methylene chloride	118		123		70-130	4		30
1,1-Dichloroethane	105		101		70-130	4		30
Chloroform	99		96		70-130	3		30
Carbon tetrachloride	100		99		70-130	1		30
1,2-Dichloropropane	106		104		70-130	2		30
Dibromochloromethane	90		91		70-130	1		30
1,1,2-Trichloroethane	101		101		70-130	0		30
Tetrachloroethene	90		87		70-130	3		30
Chlorobenzene	92		90		70-130	2		30
Trichlorofluoromethane	95		92		70-139	3		30
1,2-Dichloroethane	106		105		70-130	1		30
1,1,1-Trichloroethane	99		97		70-130	2		30
Bromodichloromethane	100		101		70-130	1		30
trans-1,3-Dichloropropene	83		85		70-130	2		30
cis-1,3-Dichloropropene	98		100		70-130	2		30
Bromoform	82		86		70-130	5		30
1,1,2,2-Tetrachloroethane	98		100		70-130	2		30
Benzene	98		95		70-130	3		30
Toluene	94		91		70-130	3		30
Ethylbenzene	94		92		70-130	2		30
Chloromethane	128		118		52-130	8		30
Bromomethane	107		103		57-147	4		30
Vinyl chloride	107		102		67-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1099522-3 WG1099522-4								
Chloroethane	98		95		50-151	3		30
1,1-Dichloroethene	98		95		65-135	3		30
trans-1,2-Dichloroethene	96		93		70-130	3		30
Trichloroethene	97		94		70-130	3		30
1,2-Dichlorobenzene	91		90		70-130	1		30
1,3-Dichlorobenzene	91		89		70-130	2		30
1,4-Dichlorobenzene	88		86		70-130	2		30
Methyl tert butyl ether	104		105		66-130	1		30
p/m-Xylene	87		86		70-130	1		30
o-Xylene	87		86		70-130	1		30
cis-1,2-Dichloroethene	99		95		70-130	4		30
Styrene	87		85		70-130	2		30
Dichlorodifluoromethane	101		96		30-146	5		30
Acetone	**186**	Q	**173**	Q	54-140	7		30
Carbon disulfide	110		106		59-130	4		30
2-Butanone	128		123		70-130	4		30
4-Methyl-2-pentanone	96		103		70-130	7		30
2-Hexanone	101		103		70-130	2		30
Bromochloromethane	101		99		70-130	2		30
1,2-Dibromoethane	94		97		70-130	3		30
1,2-Dibromo-3-chloropropane	84		92		68-130	9		30
Isopropylbenzene	95		91		70-130	4		30
1,2,3-Trichlorobenzene	89		90		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1099522-3 WG1099522-4								
1,2,4-Trichlorobenzene	90		90		70-130	0		30
Methyl Acetate	124		125		51-146	1		30
Cyclohexane	109		105		59-142	4		30
1,4-Dioxane	93		98		65-136	5		30
Freon-113	117		112		50-139	4		30
Methyl cyclohexane	98		94		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG1099610-3 WG1099610-4								
Methylene chloride	103		100		70-130	3		30
1,1-Dichloroethane	98		100		70-130	2		30
Chloroform	99		101		70-130	2		30
Carbon tetrachloride	102		103		70-130	1		30
1,2-Dichloropropane	92		99		70-130	7		30
Dibromochloromethane	95		100		70-130	5		30
1,1,2-Trichloroethane	103		107		70-130	4		30
Tetrachloroethene	89		93		70-130	4		30
Chlorobenzene	95		98		70-130	3		30
Trichlorofluoromethane	96		98		70-139	2		30
1,2-Dichloroethane	112		113		70-130	1		30
1,1,1-Trichloroethane	105		107		70-130	2		30
Bromodichloromethane	99		103		70-130	4		30
trans-1,3-Dichloropropene	114		113		70-130	1		30
cis-1,3-Dichloropropene	99		107		70-130	8		30
Bromoform	93		98		70-130	5		30
1,1,2,2-Tetrachloroethane	113		112		70-130	1		30
Benzene	94		96		70-130	2		30
Toluene	102		107		70-130	5		30
Ethylbenzene	105		107		70-130	2		30
Chloromethane	112		113		52-130	1		30
Bromomethane	96		97		57-147	1		30
Vinyl chloride	93		93		67-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG1099610-3 WG1099610-4								
Chloroethane	96		97		50-151	1		30
1,1-Dichloroethene	104		102		65-135	2		30
trans-1,2-Dichloroethene	94		96		70-130	2		30
Trichloroethene	94		96		70-130	2		30
1,2-Dichlorobenzene	93		97		70-130	4		30
1,3-Dichlorobenzene	96		99		70-130	3		30
1,4-Dichlorobenzene	95		97		70-130	2		30
Methyl tert butyl ether	100		100		66-130	0		30
p/m-Xylene	100		102		70-130	2		30
o-Xylene	104		106		70-130	2		30
cis-1,2-Dichloroethene	92		93		70-130	1		30
Styrene	101		102		70-130	1		30
Dichlorodifluoromethane	121		121		30-146	0		30
Acetone	**173**	Q	**159**	Q	54-140	8		30
Carbon disulfide	103		103		59-130	0		30
2-Butanone	123		128		70-130	4		30
4-Methyl-2-pentanone	108		108		70-130	0		30
2-Hexanone	**138**	Q	**140**	Q	70-130	1		30
Bromochloromethane	87		90		70-130	3		30
1,2-Dibromoethane	98		104		70-130	6		30
1,2-Dibromo-3-chloropropane	87		92		68-130	6		30
Isopropylbenzene	106		110		70-130	4		30
1,2,3-Trichlorobenzene	86		90		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-04 Batch: WG1099610-3 WG1099610-4								
1,2,4-Trichlorobenzene	90		93		70-130	3		30
Methyl Acetate	117		121		51-146	3		30
Cyclohexane	101		102		59-142	1		30
1,4-Dioxane	99		107		65-136	8		30
Freon-113	107		107		50-139	0		30
Methyl cyclohexane	104		106		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		116		70-130
Toluene-d8	106		109		70-130
4-Bromofluorobenzene	115		114		70-130
Dibromofluoromethane	96		95		70-130

SEMIVOLATILES

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01
Client ID: GP01-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:00
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/18 07:45
Analyst: TT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	760		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	15000	E	ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	670		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1
Diethyl phthalate	27	J	ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	6500		ug/kg	120	23.	1
Benzo(a)pyrene	5700		ug/kg	170	51.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01 Date Collected: 03/16/18 15:00

Client ID: GP01-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	7800		ug/kg	120	35.	1
Benzo(k)fluoranthene	2500		ug/kg	120	33.	1
Chrysene	6800		ug/kg	120	22.	1
Acenaphthylene	1500		ug/kg	170	32.	1
Anthracene	3200		ug/kg	120	41.	1
Benzo(ghi)perylene	3200		ug/kg	170	24.	1
Fluorene	790		ug/kg	210	20.	1
Phenanthrene	14000	E	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	960		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	3600		ug/kg	170	29.	1
Pyrene	12000	E	ug/kg	120	21.	1
Biphenyl	150	J	ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	1000		ug/kg	210	20.	1
2-Methylnaphthalene	470		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	83	J	ug/kg	210	31.	1
2-Methylphenol	46	J	ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	150	J	ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	1600		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	73.	1
Benzaldehyde	100	J	ug/kg	270	56.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01 Date Collected: 03/16/18 15:00

Client ID: GP01-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	63.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	60		18-120

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01 D
Client ID: GP01-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:00
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/22/18 05:28
Analyst: PS
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	13000		ug/kg	620	120	5
Phenanthrene	14000		ug/kg	620	130	5
Pyrene	11000		ug/kg	620	100	5

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02
Client ID: GP02-4-6
Sample Location: TROY, NY

Date Collected: 03/16/18 15:05
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/18 08:10
Analyst: TT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	340		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	2900		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	400		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1200		ug/kg	110	21.	1
Benzo(a)pyrene	1000		ug/kg	150	46.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02 Date Collected: 03/16/18 15:05

Client ID: GP02-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	1200		ug/kg	110	32.	1
Benzo(k)fluoranthene	430		ug/kg	110	30.	1
Chrysene	1100		ug/kg	110	20.	1
Acenaphthylene	160		ug/kg	150	29.	1
Anthracene	840		ug/kg	110	37.	1
Benzo(ghi)perylene	560		ug/kg	150	22.	1
Fluorene	340		ug/kg	190	18.	1
Phenanthrene	3500		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	140		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	610		ug/kg	150	26.	1
Pyrene	2600		ug/kg	110	19.	1
Biphenyl	60	J	ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	320		ug/kg	190	18.	1
2-Methylnaphthalene	180	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	38	J	ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Carbazole	360		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02 Date Collected: 03/16/18 15:05

Client ID: GP02-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	57.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	74		18-120

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03
Client ID: GP03-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:10
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/18 08:36
Analyst: TT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	3000		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	220		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1400		ug/kg	120	22.	1
Benzo(a)pyrene	1500		ug/kg	150	47.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03 Date Collected: 03/16/18 15:10

Client ID: GP03-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	2000		ug/kg	120	32.	1
Benzo(k)fluoranthene	650		ug/kg	120	31.	1
Chrysene	1500		ug/kg	120	20.	1
Acenaphthylene	400		ug/kg	150	30.	1
Anthracene	440		ug/kg	120	38.	1
Benzo(ghi)perylene	1000		ug/kg	150	23.	1
Fluorene	220		ug/kg	190	19.	1
Phenanthrene	2200		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	240		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	27.	1
Pyrene	2600		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	180	J	ug/kg	190	18.	1
2-Methylnaphthalene	120	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	240		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	68.	1
Benzaldehyde	ND		ug/kg	250	52.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03 Date Collected: 03/16/18 15:10

Client ID: GP03-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	96		30-120
2,4,6-Tribromophenol	117		10-136
4-Terphenyl-d14	86		18-120

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04
Client ID: GP04-10-12
Sample Location: TROY, NY

Date Collected: 03/16/18 15:15
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/18 09:01
Analyst: TT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	5700		ug/kg	150	19.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	29000	E	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	20000	E	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	15000	E	ug/kg	110	21.	1
Benzo(a)pyrene	13000	E	ug/kg	150	45.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04 Date Collected: 03/16/18 15:15

Client ID: GP04-10-12 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	16000	E	ug/kg	110	31.	1
Benzo(k)fluoranthene	4400		ug/kg	110	30.	1
Chrysene	15000	E	ug/kg	110	19.	1
Acenaphthylene	2400		ug/kg	150	28.	1
Anthracene	10000	E	ug/kg	110	36.	1
Benzo(ghi)perylene	5900		ug/kg	150	22.	1
Fluorene	7600	E	ug/kg	180	18.	1
Phenanthrene	33000	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	1900		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	7000		ug/kg	150	26.	1
Pyrene	24000	E	ug/kg	110	18.	1
Biphenyl	1500		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	5900		ug/kg	180	18.	1
2-Methylnaphthalene	7000		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	1100		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	1100		ug/kg	180	28.	1
2-Methylphenol	980		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	2600		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	6000		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	65.	1
Benzaldehyde	ND		ug/kg	240	50.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04 Date Collected: 03/16/18 15:15

Client ID: GP04-10-12 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	83		18-120

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04 D
Client ID: GP04-10-12
Sample Location: TROY, NY

Date Collected: 03/16/18 15:15
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/22/18 06:40
Analyst: PS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	26000		ug/kg	1100	210	10
Naphthalene	18000		ug/kg	1800	220	10
Benzo(a)anthracene	12000		ug/kg	1100	210	10
Benzo(a)pyrene	10000		ug/kg	1500	450	10
Benzo(b)fluoranthene	13000		ug/kg	1100	310	10
Chrysene	12000		ug/kg	1100	190	10
Anthracene	9200		ug/kg	1100	360	10
Fluorene	6600		ug/kg	1800	180	10
Phenanthrene	32000		ug/kg	1100	220	10
Pyrene	22000		ug/kg	1100	180	10

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05
Client ID: GP05-6-8
Sample Location: TROY, NY

Date Collected: 03/16/18 15:20
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/18 05:11
Analyst: TT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	120	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05 Date Collected: 03/16/18 15:20

Client ID: GP05-6-8 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	480	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	73.	1
Benzaldehyde	ND		ug/kg	280	56.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05 Date Collected: 03/16/18 15:20

Client ID: GP05-6-8 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	210	63.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	76		18-120

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06
Client ID: GP06-4-6
Sample Location: TROY, NY

Date Collected: 03/16/18 15:25
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/18 09:27
Analyst: TT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2300		ug/kg	150	20.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	18000	E	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	2000		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	10000	E	ug/kg	120	22.	1
Benzo(a)pyrene	7900	E	ug/kg	150	47.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06 Date Collected: 03/16/18 15:25

Client ID: GP06-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	9600	E	ug/kg	120	32.	1
Benzo(k)fluoranthene	3400		ug/kg	120	31.	1
Chrysene	9400	E	ug/kg	120	20.	1
Acenaphthylene	1300		ug/kg	150	30.	1
Anthracene	5600		ug/kg	120	38.	1
Benzo(ghi)perylene	3300		ug/kg	150	23.	1
Fluorene	2600		ug/kg	190	19.	1
Phenanthrene	19000	E	ug/kg	120	23.	1
Dibenzo(a,h)anthracene	1300		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	4100		ug/kg	150	27.	1
Pyrene	16000	E	ug/kg	120	19.	1
Biphenyl	400	J	ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	2300		ug/kg	190	18.	1
2-Methylnaphthalene	1600		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	110	J	ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	93	J	ug/kg	190	29.	1
2-Methylphenol	81	J	ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	260	J	ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Carbazole	2400		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	68.	1
Benzaldehyde	ND		ug/kg	250	52.	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06 Date Collected: 03/16/18 15:25

Client ID: GP06-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	79		18-120

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06 D
Client ID: GP06-4-6
Sample Location: TROY, NY

Date Collected: 03/16/18 15:25
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/22/18 07:04
Analyst: PS
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 22:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	15000		ug/kg	580	110	5
Benzo(a)anthracene	7800		ug/kg	580	110	5
Benzo(a)pyrene	6000		ug/kg	770	240	5
Benzo(b)fluoranthene	7800		ug/kg	580	160	5
Chrysene	7400		ug/kg	580	100	5
Phenanthrene	16000		ug/kg	580	120	5
Pyrene	13000		ug/kg	580	96.	5

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/20/18 00:31
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1098510-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/20/18 00:31
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1098510-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/20/18 00:31
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/19/18 16:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1098510-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
Tentatively Identified Compounds					
Total TIC Compounds	282	J	ug/kg		
Unknown	282	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	87		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1098510-2 WG1098510-3								
Acenaphthene	63		63		31-137	0		50
Hexachlorobenzene	65		65		40-140	0		50
Bis(2-chloroethyl)ether	60		60		40-140	0		50
2-Chloronaphthalene	63		62		40-140	2		50
3,3'-Dichlorobenzidine	**36**	Q	**32**	Q	40-140	12		50
2,4-Dinitrotoluene	64		64		40-132	0		50
2,6-Dinitrotoluene	68		68		40-140	0		50
Fluoranthene	66		66		40-140	0		50
4-Chlorophenyl phenyl ether	64		66		40-140	3		50
4-Bromophenyl phenyl ether	66		64		40-140	3		50
Bis(2-chloroisopropyl)ether	59		57		40-140	3		50
Bis(2-chloroethoxy)methane	63		63		40-117	0		50
Hexachlorobutadiene	63		62		40-140	2		50
Hexachlorocyclopentadiene	42		42		40-140	0		50
Hexachloroethane	60		60		40-140	0		50
Isophorone	62		62		40-140	0		50
Naphthalene	63		62		40-140	2		50
Nitrobenzene	61		61		40-140	0		50
NDPA/DPA	65		65		36-157	0		50
n-Nitrosodi-n-propylamine	62		63		32-121	2		50
Bis(2-ethylhexyl)phthalate	66		67		40-140	2		50
Butyl benzyl phthalate	70		69		40-140	1		50
Di-n-butylphthalate	70		70		40-140	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1098510-2 WG1098510-3								
Di-n-octylphthalate	65		66		40-140	2		50
Diethyl phthalate	65		65		40-140	0		50
Dimethyl phthalate	69		68		40-140	1		50
Benzo(a)anthracene	62		63		40-140	2		50
Benzo(a)pyrene	61		60		40-140	2		50
Benzo(b)fluoranthene	60		60		40-140	0		50
Benzo(k)fluoranthene	62		62		40-140	0		50
Chrysene	61		61		40-140	0		50
Acenaphthylene	66		67		40-140	2		50
Anthracene	66		66		40-140	0		50
Benzo(ghi)perylene	64		64		40-140	0		50
Fluorene	65		65		40-140	0		50
Phenanthrene	64		64		40-140	0		50
Dibenzo(a,h)anthracene	67		66		40-140	2		50
Indeno(1,2,3-cd)pyrene	65		65		40-140	0		50
Pyrene	64		64		35-142	0		50
Biphenyl	67		66		54-104	2		50
4-Chloroaniline	55		64		40-140	15		50
2-Nitroaniline	68		66		47-134	3		50
3-Nitroaniline	40		36		26-129	11		50
4-Nitroaniline	58		57		41-125	2		50
Dibenzofuran	65		64		40-140	2		50
2-Methylnaphthalene	64		63		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1098510-2 WG1098510-3								
1,2,4,5-Tetrachlorobenzene	66		66		40-117	0		50
Acetophenone	66		65		14-144	2		50
2,4,6-Trichlorophenol	67		66		30-130	2		50
p-Chloro-m-cresol	68		68		26-103	0		50
2-Chlorophenol	62		62		25-102	0		50
2,4-Dichlorophenol	68		67		30-130	1		50
2,4-Dimethylphenol	66		65		30-130	2		50
2-Nitrophenol	64		64		30-130	0		50
4-Nitrophenol	62		63		11-114	2		50
2,4-Dinitrophenol	47		49		4-130	4		50
4,6-Dinitro-o-cresol	66		65		10-130	2		50
Pentachlorophenol	52		52		17-109	0		50
Phenol	64		63		26-90	2		50
2-Methylphenol	66		65		30-130.	2		50
3-Methylphenol/4-Methylphenol	69		68		30-130	1		50
2,4,5-Trichlorophenol	67		67		30-130	0		50
Carbazole	66		65		54-128	2		50
Atrazine	78		76		40-140	3		50
Benzaldehyde	54		54		40-140	0		50
Caprolactam	63		62		15-130	2		50
2,3,4,6-Tetrachlorophenol	64		63		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1098510-2 WG1098510-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		65		25-120
Phenol-d6	66		66		10-120
Nitrobenzene-d5	67		65		23-120
2-Fluorobiphenyl	71		71		30-120
2,4,6-Tribromophenol	70		69		10-136
4-Terphenyl-d14	75		75		18-120

PCBS

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01
Client ID: GP01-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:00
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/22/18 04:14
Analyst: HT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.2	4.68	1	A
Aroclor 1221	ND		ug/kg	41.2	6.28	1	A
Aroclor 1232	ND		ug/kg	41.2	4.06	1	A
Aroclor 1242	ND		ug/kg	41.2	5.05	1	A
Aroclor 1248	ND		ug/kg	41.2	4.63	1	A
Aroclor 1254	ND		ug/kg	41.2	3.37	1	A
Aroclor 1260	30.1	J	ug/kg	41.2	4.31	1	B
Aroclor 1262	ND		ug/kg	41.2	3.39	1	A
Aroclor 1268	17.6	J	ug/kg	41.2	2.92	1	B
PCBs, Total	47.7	J	ug/kg	41.2	2.92	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02
Client ID: GP02-4-6
Sample Location: TROY, NY

Date Collected: 03/16/18 15:05
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/22/18 04:27
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	4.27	1	A
Aroclor 1221	ND		ug/kg	37.6	5.73	1	A
Aroclor 1232	ND		ug/kg	37.6	3.70	1	A
Aroclor 1242	ND		ug/kg	37.6	4.61	1	A
Aroclor 1248	ND		ug/kg	37.6	4.22	1	A
Aroclor 1254	ND		ug/kg	37.6	3.07	1	A
Aroclor 1260	ND		ug/kg	37.6	3.93	1	A
Aroclor 1262	ND		ug/kg	37.6	3.09	1	A
Aroclor 1268	ND		ug/kg	37.6	2.66	1	A
PCBs, Total	ND		ug/kg	37.6	2.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03
Client ID: GP03-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:10
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/22/18 04:39
Analyst: HT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	4.22	1	A
Aroclor 1221	ND		ug/kg	37.3	5.67	1	A
Aroclor 1232	ND		ug/kg	37.3	3.67	1	A
Aroclor 1242	ND		ug/kg	37.3	4.56	1	A
Aroclor 1248	ND		ug/kg	37.3	4.18	1	A
Aroclor 1254	ND		ug/kg	37.3	3.04	1	A
Aroclor 1260	10.3	J	ug/kg	37.3	3.89	1	B
Aroclor 1262	ND		ug/kg	37.3	3.06	1	A
Aroclor 1268	ND		ug/kg	37.3	2.64	1	A
PCBs, Total	10.3	J	ug/kg	37.3	2.64	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04
Client ID: GP04-10-12
Sample Location: TROY, NY

Date Collected: 03/16/18 15:15
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/22/18 04:51
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	4.26	1	A
Aroclor 1221	ND		ug/kg	37.6	5.72	1	A
Aroclor 1232	ND		ug/kg	37.6	3.70	1	A
Aroclor 1242	ND		ug/kg	37.6	4.60	1	A
Aroclor 1248	ND		ug/kg	37.6	4.21	1	A
Aroclor 1254	ND		ug/kg	37.6	3.06	1	A
Aroclor 1260	ND		ug/kg	37.6	3.92	1	A
Aroclor 1262	ND		ug/kg	37.6	3.09	1	A
Aroclor 1268	ND		ug/kg	37.6	2.66	1	A
PCBs, Total	ND		ug/kg	37.6	2.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05
Client ID: GP05-6-8
Sample Location: TROY, NY

Date Collected: 03/16/18 15:20
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/22/18 05:04
Analyst: HT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.5	4.70	1	A
Aroclor 1221	ND		ug/kg	41.5	6.32	1	A
Aroclor 1232	ND		ug/kg	41.5	4.08	1	A
Aroclor 1242	ND		ug/kg	41.5	5.08	1	A
Aroclor 1248	ND		ug/kg	41.5	4.66	1	A
Aroclor 1254	ND		ug/kg	41.5	3.38	1	A
Aroclor 1260	ND		ug/kg	41.5	4.33	1	A
Aroclor 1262	ND		ug/kg	41.5	3.41	1	A
Aroclor 1268	ND		ug/kg	41.5	2.94	1	A
PCBs, Total	ND		ug/kg	41.5	2.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06
Client ID: GP06-4-6
Sample Location: TROY, NY

Date Collected: 03/16/18 15:25
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/22/18 05:16
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/20/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	4.22	1	A
Aroclor 1221	ND		ug/kg	37.3	5.67	1	A
Aroclor 1232	ND		ug/kg	37.3	3.67	1	A
Aroclor 1242	ND		ug/kg	37.3	4.56	1	A
Aroclor 1248	ND		ug/kg	37.3	4.18	1	A
Aroclor 1254	ND		ug/kg	37.3	3.04	1	A
Aroclor 1260	ND		ug/kg	37.3	3.89	1	A
Aroclor 1262	ND		ug/kg	37.3	3.06	1	A
Aroclor 1268	ND		ug/kg	37.3	2.64	1	A
PCBs, Total	ND		ug/kg	37.3	2.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-07
Client ID: GP05-0.5-2
Sample Location: TROY, NY

Date Collected: 03/16/18 15:30
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/22/18 05:29
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/20/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	4.17	1	A
Aroclor 1221	ND		ug/kg	36.7	5.59	1	A
Aroclor 1232	ND		ug/kg	36.7	3.62	1	A
Aroclor 1242	ND		ug/kg	36.7	4.50	1	A
Aroclor 1248	ND		ug/kg	36.7	4.12	1	A
Aroclor 1254	ND		ug/kg	36.7	3.00	1	A
Aroclor 1260	ND		ug/kg	36.7	3.84	1	A
Aroclor 1262	ND		ug/kg	36.7	3.02	1	A
Aroclor 1268	ND		ug/kg	36.7	2.60	1	A
PCBs, Total	ND		ug/kg	36.7	2.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-08
Client ID: GP07-0.5-2
Sample Location: TROY, NY

Date Collected: 03/16/18 15:35
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/22/18 05:41
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/20/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	4.00	1	A
Aroclor 1221	ND		ug/kg	35.2	5.36	1	A
Aroclor 1232	ND		ug/kg	35.2	3.47	1	A
Aroclor 1242	ND		ug/kg	35.2	4.31	1	A
Aroclor 1248	ND		ug/kg	35.2	3.95	1	A
Aroclor 1254	ND		ug/kg	35.2	2.88	1	A
Aroclor 1260	ND		ug/kg	35.2	3.68	1	A
Aroclor 1262	ND		ug/kg	35.2	2.90	1	A
Aroclor 1268	ND		ug/kg	35.2	2.49	1	A
PCBs, Total	ND		ug/kg	35.2	2.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809181
Project Number: 17.7766
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-09
Client ID: GP06-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:40
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/22/18 05:53
Analyst: HT
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/20/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	4.43	1	A
Aroclor 1221	ND		ug/kg	39.1	5.94	1	A
Aroclor 1232	ND		ug/kg	39.1	3.84	1	A
Aroclor 1242	ND		ug/kg	39.1	4.78	1	A
Aroclor 1248	ND		ug/kg	39.1	4.38	1	A
Aroclor 1254	ND		ug/kg	39.1	3.19	1	A
Aroclor 1260	ND		ug/kg	39.1	4.08	1	A
Aroclor 1262	ND		ug/kg	39.1	3.21	1	A
Aroclor 1268	ND		ug/kg	39.1	2.76	1	A
PCBs, Total	ND		ug/kg	39.1	2.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/20/18 03:37
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 03/19/18 17:42
Cleanup Method: EPA 3665A
Cleanup Date: 03/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-09 Batch: WG1098533-1						
Aroclor 1016	ND		ug/kg	32.0	3.63	A
Aroclor 1221	ND		ug/kg	32.0	4.88	A
Aroclor 1232	ND		ug/kg	32.0	3.15	A
Aroclor 1242	ND		ug/kg	32.0	3.92	A
Aroclor 1248	ND		ug/kg	32.0	3.60	A
Aroclor 1254	ND		ug/kg	32.0	2.62	A
Aroclor 1260	ND		ug/kg	32.0	3.35	A
Aroclor 1262	ND		ug/kg	32.0	2.63	A
Aroclor 1268	ND		ug/kg	32.0	2.27	A
PCBs, Total	ND		ug/kg	32.0	2.27	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1098533-2 WG1098533-3									
Aroclor 1016	89		89		40-140	0		50	A
Aroclor 1260	90		92		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		106		30-150	A
Decachlorobiphenyl	90		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		106		30-150	B
Decachlorobiphenyl	85		85		30-150	B

PESTICIDES

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01
Client ID: GP01-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:00
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/21/18 22:48
Analyst: JW
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:45
Cleanup Method: EPA 3620B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.99	0.390	1	A
Lindane	ND		ug/kg	0.830	0.371	1	A
Alpha-BHC	ND		ug/kg	0.830	0.236	1	A
Beta-BHC	ND		ug/kg	1.99	0.755	1	A
Heptachlor	ND		ug/kg	0.996	0.446	1	A
Aldrin	ND		ug/kg	1.99	0.701	1	A
Heptachlor epoxide	3.76		ug/kg	3.74	1.12	1	B
Endrin	ND		ug/kg	0.830	0.340	1	A
Endrin aldehyde	ND		ug/kg	2.49	0.872	1	A
Endrin ketone	ND		ug/kg	1.99	0.513	1	A
Dieldrin	ND		ug/kg	1.24	0.622	1	A
4,4'-DDE	26.0		ug/kg	1.99	0.461	1	B
4,4'-DDD	ND		ug/kg	1.99	0.710	1	A
4,4'-DDT	ND		ug/kg	3.74	1.60	1	A
Endosulfan I	ND		ug/kg	1.99	0.471	1	A
Endosulfan II	ND		ug/kg	1.99	0.666	1	A
Endosulfan sulfate	ND		ug/kg	0.830	0.395	1	A
Methoxychlor	ND		ug/kg	3.74	1.16	1	A
Toxaphene	ND		ug/kg	37.4	10.4	1	A
cis-Chlordane	0.736	JPI	ug/kg	2.49	0.694	1	A
trans-Chlordane	2.06	JPI	ug/kg	2.49	0.657	1	A
Chlordane	ND		ug/kg	16.2	6.60	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01 Date Collected: 03/16/18 15:00

Client ID: GP01-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	**611**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	135		30-150	A

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02
Client ID: GP02-4-6
Sample Location: TROY, NY

Date Collected: 03/16/18 15:05
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/21/18 22:09
Analyst: JW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:45
Cleanup Method: EPA 3620B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.354	1	A
Lindane	ND		ug/kg	0.752	0.336	1	A
Alpha-BHC	ND		ug/kg	0.752	0.214	1	A
Beta-BHC	ND		ug/kg	1.80	0.685	1	A
Heptachlor	ND		ug/kg	0.903	0.405	1	A
Aldrin	ND		ug/kg	1.80	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.02	1	A
Endrin	ND		ug/kg	0.752	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.790	1	A
Endrin ketone	ND		ug/kg	1.80	0.465	1	A
Dieldrin	ND		ug/kg	1.13	0.564	1	A
4,4'-DDE	ND		ug/kg	1.80	0.418	1	A
4,4'-DDD	ND		ug/kg	1.80	0.644	1	A
4,4'-DDT	ND		ug/kg	3.38	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	ND		ug/kg	1.80	0.603	1	A
Endosulfan sulfate	ND		ug/kg	0.752	0.358	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.48	1	A
cis-Chlordane	ND		ug/kg	2.26	0.629	1	A
trans-Chlordane	ND		ug/kg	2.26	0.596	1	A
Chlordane	ND		ug/kg	14.7	5.98	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02 Date Collected: 03/16/18 15:05

Client ID: GP02-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03
Client ID: GP03-2-4
Sample Location: TROY, NY

Date Collected: 03/16/18 15:10
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/21/18 21:43
Analyst: JW
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:45
Cleanup Method: EPA 3620B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.691	1	A
Heptachlor	ND		ug/kg	0.912	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.760	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.798	1	A
Endrin ketone	ND		ug/kg	1.82	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	4.18		ug/kg	1.82	0.422	1	B
4,4'-DDD	2.16		ug/kg	1.82	0.650	1	B
4,4'-DDT	33.2	P	ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.57	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03 Date Collected: 03/16/18 15:10

Client ID: GP03-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**253**	Q	30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04
Client ID: GP04-10-12
Sample Location: TROY, NY

Date Collected: 03/16/18 15:15
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/22/18 22:07
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:45
Cleanup Method: EPA 3620B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.717	0.321	1	A
Alpha-BHC	ND		ug/kg	0.717	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.653	1	A
Heptachlor	ND		ug/kg	0.861	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.968	1	A
Endrin	ND		ug/kg	0.717	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.753	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.08	0.538	1	A
4,4'-DDE	ND		ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.614	1	A
4,4'-DDT	ND		ug/kg	3.23	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.407	1	A
Endosulfan II	ND		ug/kg	1.72	0.575	1	A
Endosulfan sulfate	ND		ug/kg	0.717	0.341	1	A
Methoxychlor	ND		ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.04	1	A
cis-Chlordane	ND		ug/kg	2.15	0.600	1	A
trans-Chlordane	ND		ug/kg	2.15	0.568	1	A
Chlordane	ND		ug/kg	14.0	5.70	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04 Date Collected: 03/16/18 15:15

Client ID: GP04-10-12 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	**288**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	131		30-150	A

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05
Client ID: GP05-6-8
Sample Location: TROY, NY

Date Collected: 03/16/18 15:20
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/22/18 21:55
Analyst: JW
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:45
Cleanup Method: EPA 3620B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.95	0.381	1	A
Lindane	ND		ug/kg	0.811	0.363	1	A
Alpha-BHC	ND		ug/kg	0.811	0.230	1	A
Beta-BHC	ND		ug/kg	1.95	0.738	1	A
Heptachlor	ND		ug/kg	0.974	0.436	1	A
Aldrin	ND		ug/kg	1.95	0.686	1	A
Heptachlor epoxide	ND		ug/kg	3.65	1.10	1	A
Endrin	ND		ug/kg	0.811	0.333	1	A
Endrin aldehyde	ND		ug/kg	2.43	0.852	1	A
Endrin ketone	ND		ug/kg	1.95	0.501	1	A
Dieldrin	ND		ug/kg	1.22	0.608	1	A
4,4'-DDE	ND		ug/kg	1.95	0.450	1	A
4,4'-DDD	ND		ug/kg	1.95	0.694	1	A
4,4'-DDT	ND		ug/kg	3.65	1.56	1	A
Endosulfan I	ND		ug/kg	1.95	0.460	1	A
Endosulfan II	ND		ug/kg	1.95	0.651	1	A
Endosulfan sulfate	ND		ug/kg	0.811	0.386	1	A
Methoxychlor	ND		ug/kg	3.65	1.14	1	A
Toxaphene	ND		ug/kg	36.5	10.2	1	A
cis-Chlordane	ND		ug/kg	2.43	0.678	1	A
trans-Chlordane	ND		ug/kg	2.43	0.643	1	A
Chlordane	ND		ug/kg	15.8	6.45	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05 Date Collected: 03/16/18 15:20

Client ID: GP05-6-8 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	127		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06
Client ID: GP06-4-6
Sample Location: TROY, NY

Date Collected: 03/16/18 15:25
Date Received: 03/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/21/18 22:22
Analyst: JW
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:45
Cleanup Method: EPA 3620B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.364	1	A
Lindane	ND		ug/kg	0.775	0.346	1	A
Alpha-BHC	ND		ug/kg	0.775	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.705	1	A
Heptachlor	ND		ug/kg	0.930	0.417	1	A
Aldrin	ND		ug/kg	1.86	0.655	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1	A
Endrin	ND		ug/kg	0.775	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.814	1	A
Endrin ketone	ND		ug/kg	1.86	0.479	1	A
Dieldrin	ND		ug/kg	1.16	0.581	1	A
4,4'-DDE	ND		ug/kg	1.86	0.430	1	A
4,4'-DDD	ND		ug/kg	1.86	0.663	1	A
4,4'-DDT	ND		ug/kg	3.49	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.439	1	A
Endosulfan II	ND		ug/kg	1.86	0.622	1	A
Endosulfan sulfate	ND		ug/kg	0.775	0.369	1	A
Methoxychlor	ND		ug/kg	3.49	1.08	1	A
Toxaphene	ND		ug/kg	34.9	9.76	1	A
cis-Chlordane	ND		ug/kg	2.32	0.648	1	A
trans-Chlordane	ND		ug/kg	2.32	0.614	1	A
Chlordane	ND		ug/kg	15.1	6.16	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06 Date Collected: 03/16/18 15:25

Client ID: GP06-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	**208**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	142		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/22/18 21:42
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:45
Cleanup Method: EPA 3620B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1098595-1						
Delta-BHC	ND		ug/kg	1.52	0.297	A
Lindane	ND		ug/kg	0.632	0.283	A
Alpha-BHC	ND		ug/kg	0.632	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.759	0.340	A
Aldrin	ND		ug/kg	1.52	0.534	A
Heptachlor epoxide	ND		ug/kg	2.85	0.854	A
Endrin	ND		ug/kg	0.632	0.259	A
Endrin aldehyde	ND		ug/kg	1.90	0.664	A
Endrin ketone	ND		ug/kg	1.52	0.391	A
Dieldrin	ND		ug/kg	0.949	0.474	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.541	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.507	A
Endosulfan sulfate	ND		ug/kg	0.632	0.301	A
Methoxychlor	ND		ug/kg	2.85	0.886	A
Toxaphene	ND		ug/kg	28.5	7.97	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.501	A
Chlordane	ND		ug/kg	12.3	5.03	A

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/22/18 21:42
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/19/18 23:45
Cleanup Method: EPA 3620B
Cleanup Date: 03/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1098595-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	70		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1098595-2 WG1098595-3									
Delta-BHC	96		108		30-150	12		30	A
Lindane	89		98		30-150	10		30	A
Alpha-BHC	100		110		30-150	10		30	A
Beta-BHC	89		97		30-150	9		30	A
Heptachlor	91		101		30-150	10		30	A
Aldrin	85		97		30-150	13		30	A
Heptachlor epoxide	76		86		30-150	12		30	A
Endrin	87		101		30-150	15		30	A
Endrin aldehyde	62		73		30-150	16		30	A
Endrin ketone	74		90		30-150	20		30	A
Dieldrin	91		105		30-150	14		30	A
4,4'-DDE	87		101		30-150	15		30	A
4,4'-DDD	89		105		30-150	16		30	A
4,4'-DDT	89		105		30-150	16		30	A
Endosulfan I	85		97		30-150	13		30	A
Endosulfan II	81		95		30-150	16		30	A
Endosulfan sulfate	67		82		30-150	20		30	A
Methoxychlor	79		103		30-150	26		30	A
cis-Chlordane	72		80		30-150	11		30	A
trans-Chlordane	89		101		30-150	13		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1098595-2 WG1098595-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		98		30-150	B
Decachlorobiphenyl	59		69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		87		30-150	A
Decachlorobiphenyl	44		55		30-150	A

METALS

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01 Date Collected: 03/16/18 15:00

Client ID: GP01-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8030		mg/kg	9.93	2.68	2	03/20/18 19:30	03/22/18 17:00	EPA 3050B	1,6010C	AB
Antimony, Total	6.68		mg/kg	4.96	0.377	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Arsenic, Total	8.58		mg/kg	0.993	0.206	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Barium, Total	137		mg/kg	0.993	0.173	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Beryllium, Total	0.347	J	mg/kg	0.496	0.033	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Cadmium, Total	1.80		mg/kg	0.993	0.097	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Calcium, Total	24100		mg/kg	9.93	3.47	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Chromium, Total	20.1		mg/kg	0.993	0.095	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Cobalt, Total	7.03		mg/kg	1.98	0.165	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Copper, Total	403		mg/kg	0.993	0.256	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Iron, Total	22700		mg/kg	4.96	0.896	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Lead, Total	2760		mg/kg	4.96	0.266	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Magnesium, Total	3060		mg/kg	9.93	1.53	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Manganese, Total	1140		mg/kg	0.993	0.158	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Mercury, Total	0.57		mg/kg	0.08	0.02	1	03/20/18 09:00	03/21/18 18:18	EPA 7471B	1,7471B	MG
Nickel, Total	14.6		mg/kg	2.48	0.240	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Potassium, Total	782		mg/kg	248	14.3	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Selenium, Total	0.993	J	mg/kg	1.98	0.256	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Silver, Total	0.536	J	mg/kg	0.993	0.281	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Sodium, Total	660		mg/kg	198	3.13	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Thallium, Total	ND		mg/kg	1.98	0.313	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Vanadium, Total	30.4		mg/kg	0.993	0.202	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS
Zinc, Total	578		mg/kg	4.96	0.291	2	03/20/18 19:30	03/22/18 10:59	EPA 3050B	1,6010C	PS

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02 Date Collected: 03/16/18 15:05

Client ID: GP02-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8730		mg/kg	8.73	2.36	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Antimony, Total	ND		mg/kg	4.36	0.332	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Arsenic, Total	4.63		mg/kg	0.873	0.182	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Barium, Total	24.2		mg/kg	0.873	0.152	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Beryllium, Total	0.410	J	mg/kg	0.436	0.029	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Cadmium, Total	0.210	J	mg/kg	0.873	0.086	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Calcium, Total	1080		mg/kg	8.73	3.06	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Chromium, Total	10.2		mg/kg	0.873	0.084	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Cobalt, Total	6.68		mg/kg	1.75	0.145	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Copper, Total	4.57		mg/kg	0.873	0.225	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Iron, Total	15800		mg/kg	4.36	0.788	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Lead, Total	6.72		mg/kg	4.36	0.234	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Magnesium, Total	870		mg/kg	8.73	1.34	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Manganese, Total	97.8		mg/kg	0.873	0.139	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Mercury, Total	0.08		mg/kg	0.07	0.02	1	03/20/18 09:00	03/21/18 18:19	EPA 7471B	1,7471B	MG
Nickel, Total	4.36		mg/kg	2.18	0.211	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Potassium, Total	292		mg/kg	218	12.6	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Selenium, Total	0.262	J	mg/kg	1.75	0.225	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.873	0.247	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Sodium, Total	54.8	J	mg/kg	175	2.75	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.75	0.275	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Vanadium, Total	22.3		mg/kg	0.873	0.177	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB
Zinc, Total	13.5		mg/kg	4.36	0.256	2	03/20/18 19:30	03/22/18 15:52	EPA 3050B	1,6010C	AB

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03 Date Collected: 03/16/18 15:10

Client ID: GP03-2-4 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	19400		mg/kg	9.09	2.45	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Antimony, Total	4.22	J	mg/kg	4.54	0.345	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Arsenic, Total	9.44		mg/kg	0.909	0.189	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Barium, Total	152		mg/kg	0.909	0.158	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Beryllium, Total	2.10		mg/kg	0.454	0.030	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Cadmium, Total	0.909		mg/kg	0.909	0.089	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Calcium, Total	120000		mg/kg	90.9	31.8	20	03/20/18 19:30	03/22/18 17:58	EPA 3050B	1,6010C	AB
Chromium, Total	10.8		mg/kg	0.909	0.087	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Cobalt, Total	7.38		mg/kg	1.82	0.151	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Copper, Total	96.9		mg/kg	0.909	0.234	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Iron, Total	36500		mg/kg	4.54	0.821	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Lead, Total	212		mg/kg	4.54	0.244	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Magnesium, Total	8870		mg/kg	9.09	1.40	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Manganese, Total	1480		mg/kg	0.909	0.144	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Mercury, Total	1.9		mg/kg	0.07	0.02	1	03/20/18 09:00	03/21/18 18:21	EPA 7471B	1,7471B	MG
Nickel, Total	16.8		mg/kg	2.27	0.220	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Potassium, Total	2750		mg/kg	227	13.1	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Selenium, Total	2.45		mg/kg	1.82	0.234	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Silver, Total	0.482	J	mg/kg	0.909	0.257	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Sodium, Total	2300		mg/kg	182	2.86	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.82	0.286	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Vanadium, Total	26.2		mg/kg	0.909	0.184	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB
Zinc, Total	306		mg/kg	4.54	0.266	2	03/20/18 19:30	03/22/18 15:57	EPA 3050B	1,6010C	AB

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04 Date Collected: 03/16/18 15:15

Client ID: GP04-10-12 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4760		mg/kg	8.83	2.38	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Antimony, Total	3.89	J	mg/kg	4.42	0.336	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Arsenic, Total	11.9		mg/kg	0.883	0.184	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Barium, Total	50.6		mg/kg	0.883	0.154	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Beryllium, Total	0.186	J	mg/kg	0.442	0.029	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Cadmium, Total	1.23		mg/kg	0.883	0.087	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Calcium, Total	5630		mg/kg	8.83	3.09	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Chromium, Total	25.8		mg/kg	0.883	0.085	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Cobalt, Total	33.0		mg/kg	1.77	0.147	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Copper, Total	69.0		mg/kg	0.883	0.228	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Iron, Total	94500		mg/kg	44.2	7.98	20	03/20/18 19:30	03/22/18 18:02	EPA 3050B	1,6010C	AB
Lead, Total	63.6		mg/kg	4.42	0.237	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Magnesium, Total	850		mg/kg	8.83	1.36	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Manganese, Total	2200		mg/kg	0.883	0.140	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Mercury, Total	0.12		mg/kg	0.07	0.02	1	03/20/18 09:00	03/21/18 18:23	EPA 7471B	1,7471B	MG
Nickel, Total	64.4		mg/kg	2.21	0.214	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Potassium, Total	360		mg/kg	221	12.7	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Selenium, Total	2.99		mg/kg	1.77	0.228	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Silver, Total	0.477	J	mg/kg	0.883	0.250	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Sodium, Total	82.5	J	mg/kg	177	2.78	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.77	0.278	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Vanadium, Total	32.2		mg/kg	0.883	0.179	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB
Zinc, Total	99.0		mg/kg	4.42	0.259	2	03/20/18 19:30	03/22/18 16:01	EPA 3050B	1,6010C	AB

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05 Date Collected: 03/16/18 15:20

Client ID: GP05-6-8 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5250		mg/kg	9.97	2.69	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Antimony, Total	6.72		mg/kg	4.98	0.379	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Arsenic, Total	9.97		mg/kg	0.997	0.207	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Barium, Total	29.8		mg/kg	0.997	0.173	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Beryllium, Total	0.189	J	mg/kg	0.498	0.033	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Cadmium, Total	1.77		mg/kg	0.997	0.098	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Calcium, Total	1970		mg/kg	9.97	3.49	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Chromium, Total	41.4		mg/kg	0.997	0.096	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Cobalt, Total	28.4		mg/kg	1.99	0.165	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Copper, Total	50.4		mg/kg	0.997	0.257	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Iron, Total	139000		mg/kg	49.8	9.00	20	03/20/18 19:30	03/22/18 18:07	EPA 3050B	1,6010C	AB
Lead, Total	10.3		mg/kg	4.98	0.267	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Magnesium, Total	554		mg/kg	9.97	1.54	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Manganese, Total	1760		mg/kg	0.997	0.158	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/20/18 09:00	03/21/18 18:25	EPA 7471B	1,7471B	MG
Nickel, Total	46.1		mg/kg	2.49	0.241	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Potassium, Total	366		mg/kg	249	14.4	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Selenium, Total	3.24		mg/kg	1.99	0.257	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Silver, Total	0.468	J	mg/kg	0.997	0.282	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Sodium, Total	70.3	J	mg/kg	199	3.14	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.99	0.314	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Vanadium, Total	40.4		mg/kg	0.997	0.202	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB
Zinc, Total	11.4		mg/kg	4.98	0.292	2	03/20/18 19:30	03/22/18 16:10	EPA 3050B	1,6010C	AB

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06 Date Collected: 03/16/18 15:25

Client ID: GP06-4-6 Date Received: 03/16/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9400		mg/kg	9.18	2.48	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Antimony, Total	1.11	J	mg/kg	4.59	0.349	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Arsenic, Total	8.17		mg/kg	0.918	0.191	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Barium, Total	72.2		mg/kg	0.918	0.160	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Beryllium, Total	0.459		mg/kg	0.459	0.030	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Cadmium, Total	0.450	J	mg/kg	0.918	0.090	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Calcium, Total	6280		mg/kg	9.18	3.21	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Chromium, Total	12.8		mg/kg	0.918	0.088	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Cobalt, Total	10.1		mg/kg	1.84	0.152	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Copper, Total	39.9		mg/kg	0.918	0.237	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Iron, Total	24900		mg/kg	4.59	0.829	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Lead, Total	109		mg/kg	4.59	0.246	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Magnesium, Total	4450		mg/kg	9.18	1.41	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Manganese, Total	838		mg/kg	0.918	0.146	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Mercury, Total	0.34		mg/kg	0.07	0.02	1	03/20/18 09:00	03/21/18 18:30	EPA 7471B	1,7471B	MG
Nickel, Total	20.0		mg/kg	2.30	0.222	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Potassium, Total	725		mg/kg	230	13.2	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Selenium, Total	0.698	J	mg/kg	1.84	0.237	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Silver, Total	ND		mg/kg	0.918	0.260	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Sodium, Total	244		mg/kg	184	2.89	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Thallium, Total	ND		mg/kg	1.84	0.289	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Vanadium, Total	18.6		mg/kg	0.918	0.186	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB
Zinc, Total	85.3		mg/kg	4.59	0.269	2	03/20/18 19:30	03/22/18 16:06	EPA 3050B	1,6010C	AB

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809181

Project Number: 17.7766 **Report Date:** 03/23/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1098635-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/20/18 09:00	03/21/18 18:03	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1098926-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/20/18 19:30	03/22/18 16:47	1,6010C	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	0.083	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Chromium, Total	ND		mg/kg	0.400	0.038	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Iron, Total	0.732	J	mg/kg	2.00	0.361	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Potassium, Total	ND		mg/kg	100	5.76	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/20/18 19:30	03/22/18 10:50	1,6010C	PS

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1098635-2 SRM Lot Number: D098-540								
Mercury, Total	117		-		50-149	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1098926-2 SRM Lot Number: D098-540					
Aluminum, Total	70	-	47-153	-	
Antimony, Total	170	-	6-194	-	
Arsenic, Total	111	-	83-117	-	
Barium, Total	101	-	82-118	-	
Beryllium, Total	102	-	83-117	-	
Cadmium, Total	114	-	82-117	-	
Calcium, Total	100	-	81-118	-	
Chromium, Total	99	-	83-119	-	
Cobalt, Total	113	-	84-116	-	
Copper, Total	108	-	84-116	-	
Iron, Total	93	-	60-140	-	
Lead, Total	103	-	82-117	-	
Magnesium, Total	86	-	76-124	-	
Manganese, Total	104	-	82-118	-	
Nickel, Total	115	-	82-117	-	
Potassium, Total	88	-	69-131	-	
Selenium, Total	110	-	78-121	-	
Silver, Total	108	-	80-120	-	
Sodium, Total	108	-	74-126	-	
Thallium, Total	113	-	80-119	-	
Vanadium, Total	97	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1098926-2 SRM Lot Number: D098-540					
Zinc, Total	105	-	81-119	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098635-3 WG1098635-4 QC Sample: L1809215-03 Client ID: MS Sample												
Mercury, Total	0.19	0.14	0.36	**122**	Q	0.38	**134**	Q	80-120	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098926-3 QC Sample: L1809181-01 Client ID: GP01-2-4										
Aluminum, Total	8030	196	8290	**132**	Q	-	-	75-125	-	20
Antimony, Total	6.68	49.1	50.3	89		-	-	75-125	-	20
Arsenic, Total	8.58	11.8	17.8	78		-	-	75-125	-	20
Barium, Total	137.	196	282	**74**	Q	-	-	75-125	-	20
Beryllium, Total	0.347J	4.91	4.73	96		-	-	75-125	-	20
Cadmium, Total	1.80	5.01	5.98	83		-	-	75-125	-	20
Calcium, Total	24100	982	21800	**0**	Q	-	-	75-125	-	20
Chromium, Total	20.1	19.6	28.9	**45**	Q	-	-	75-125	-	20
Cobalt, Total	7.03	49.1	49.4	86		-	-	75-125	-	20
Copper, Total	403.	24.6	524	**493**	Q	-	-	75-125	-	20
Iron, Total	22700	98.2	15600	**0**	Q	-	-	75-125	-	20
Lead, Total	2760	50.1	482	**0**	Q	-	-	75-125	-	20
Magnesium, Total	3060	982	3550	**50**	Q	-	-	75-125	-	20
Manganese, Total	1140	49.1	363	**0**	Q	-	-	75-125	-	20
Nickel, Total	14.6	49.1	57.3	87		-	-	75-125	-	20
Potassium, Total	782.	982	1730	96		-	-	75-125	-	20
Selenium, Total	0.993J	11.8	12.2	104		-	-	75-125	-	20
Silver, Total	0.536J	29.5	31.8	108		-	-	75-125	-	20
Sodium, Total	660.	982	1740	110		-	-	75-125	-	20
Thallium, Total	ND	11.8	10.4	88		-	-	75-125	-	20
Vanadium, Total	30.4	49.1	65.6	**72**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098926-3 QC Sample: L1809181-01 Client ID: GP01-2-4										
Zinc, Total	578.	49.1	474	**0**	Q	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098926-4 QC Sample: L1809181-01 Client ID: GP01-2-4						
Antimony, Total	6.68	7.28	mg/kg	9		20
Arsenic, Total	8.58	8.05	mg/kg	6		20
Barium, Total	137.	137	mg/kg	0		20
Beryllium, Total	0.347J	0.337J	mg/kg	NC		20
Cadmium, Total	1.80	1.48	mg/kg	20		20
Calcium, Total	24100	20700	mg/kg	15		20
Chromium, Total	20.1	13.9	mg/kg	**36**	Q	20
Cobalt, Total	7.03	6.55	mg/kg	7		20
Copper, Total	403.	293	mg/kg	**32**	Q	20
Iron, Total	22700	20000	mg/kg	13		20
Lead, Total	2760	1150	mg/kg	**82**	Q	20
Magnesium, Total	3060	3000	mg/kg	2		20
Manganese, Total	1140	504	mg/kg	**77**	Q	20
Nickel, Total	14.6	14.6	mg/kg	0		20
Potassium, Total	782.	921	mg/kg	16		20
Selenium, Total	0.993J	0.713J	mg/kg	NC		20
Silver, Total	0.536J	0.545J	mg/kg	NC		20
Sodium, Total	660.	791	mg/kg	18		20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098926-4 QC Sample: L1809181-01 Client ID: GP01-2-4						
Vanadium, Total	30.4	25.8	mg/kg	16		20
Zinc, Total	578.	443	mg/kg	**26**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098926-4 QC Sample: L1809181-01 Client ID: GP01-2-4						
Aluminum, Total	8030	8530	mg/kg	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-01
Client ID: GP01-2-4
Sample Location: TROY, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/16/18 15:00
Date Received: 03/16/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	03/17/18 14:51	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	03/20/18 21:24	03/21/18 13:18	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-02
Client ID: GP02-4-6
Sample Location: TROY, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/16/18 15:05
Date Received: 03/16/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.5		%	0.100	NA	1	-	03/17/18 14:51	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	03/20/18 21:24	03/21/18 12:51	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-03
Client ID: GP03-2-4
Sample Location: TROY, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/18 15:10
Date Received: 03/16/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	03/17/18 14:51	121,2540G	RI
Cyanide, Total	0.78	J	mg/kg	1.1	0.24	1	03/20/18 21:24	03/21/18 12:52	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-04
Client ID: GP04-10-12
Sample Location: TROY, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/18 15:15
Date Received: 03/16/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	03/17/18 14:51	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	03/20/18 21:24	03/21/18 12:53	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-05
Client ID: GP05-6-8
Sample Location: TROY, NY
Sample Depth:
Matrix: Soil
Date Collected: 03/16/18 15:20
Date Received: 03/16/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.5		%	0.100	NA	1	-	03/17/18 14:51	121,2540G	RI
Cyanide, Total	0.63	J	mg/kg	1.2	0.26	1	03/20/18 21:24	03/21/18 13:19	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-06
Client ID: GP06-4-6
Sample Location: TROY, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/18 15:25
Date Received: 03/16/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	03/17/18 14:51	121,2540G	RI
Cyanide, Total	0.71	J	mg/kg	1.1	0.24	1	03/20/18 21:24	03/21/18 12:55	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-07
Client ID: GP05-0.5-2
Sample Location: TROY, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/18 15:30
Date Received: 03/16/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	03/17/18 14:51	121,2540G	RI

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-08
Client ID: GP07-0.5-2
Sample Location: TROY, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/18 15:35
Date Received: 03/16/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	03/17/18 14:51	121,2540G	RI

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

SAMPLE RESULTS

Lab ID: L1809181-09
Client ID: GP06-2-4
Sample Location: TROY, NY
Sample Depth:
Matrix: Soil

Date Collected: 03/16/18 15:40
Date Received: 03/16/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.0		%	0.100	NA	1	-	03/17/18 14:51	121,2540G	RI

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809181
Report Date: 03/23/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1098947-1										
Cyanide, Total	ND		mg/kg	0.88	0.19	1	03/20/18 21:24	03/21/18 12:38	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809181

Report Date: 03/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1098947-2 WG1098947-3								
Cyanide, Total	**65**	Q	**63**	Q	80-120	10		35

Matrix Spike Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1098947-4 WG1098947-5 QC Sample: L1809181-01 Client ID: GP01-2-4												
Cyanide, Total	ND	12	10	82		10	85		75-125	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1098099-1 QC Sample: L1809160-01 Client ID: DUP Sample						
Solids, Total	89.2	89.5	%	0		20

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1809181-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L1809181-01B	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-01C	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-01D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L1809181-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1809181-01F	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1809181-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L1809181-02B	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-02C	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-02D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L1809181-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1809181-02F	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1809181-03A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L1809181-03B	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-03C	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-03D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1809181-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1809181-03F	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1809181-04A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L1809181-04B	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-04C	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1809181-04F	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1809181-05A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L1809181-05B	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-05C	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-05D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L1809181-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1809181-05F	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1809181-06A	Vial MeOH preserved	A	NA		3.3	Y	Absent		NYTCL-8260HLW-R2(14)
L1809181-06B	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-06C	Vial water preserved	A	NA		3.3	Y	Absent	17-MAR-18 08:02	NYTCL-8260HLW-R2(14)
L1809181-06D	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L1809181-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809181
Report Date: 03/23/18

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1809181-06F	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1809181-07A	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		TS(7),NYTCL-8082(14)
L1809181-08A	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		TS(7),NYTCL-8082(14)
L1809181-09A	Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		TS(7),NYTCL-8082(14)

*Values in parentheses indicate holding time in days

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809181
Project Number:	17.7766	**Report Date:**	03/23/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809181
Project Number:	17.7766	**Report Date:**	03/23/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809181
Project Number:	17.7766	**Report Date:**	03/23/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/17/18

ALPHA Job #: L1809181

Client Information
Client: CT Male Associates
Address: 50 Century Hill Dr.
Latham NY 12110
Phone: 518 786 7400
Fax: —
Email: A.Smith@CTMale.com

Project Information
Project Name: Poesten Kill Place PIT
Project Location: Troy, NY
Project # 17.7766
(Use Project name as Project #) ☐
Project Manager: Amee Smith
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☒ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	TCL SVOCs 8270	TCL PCBs	TCL Pesticides	TAL Metals + Cyanide	Sample Specific Comments	Total Bottle
09116-01	GP01-2-4	3.16.18	1500	S	PAL	X	X	X	X	X		6
02	GP02-4-6	3.16.18	1505	S	PAL	X	X	X	X	X		6
03	GP03-2-4	3.16.18	1510	S	PAL	X	X	X	X	X		6
04	GP04-10-12	3.16.18	1515	S	PAL	X	X	X	X	X		6
05	GP05-6-8	3.16.18	1520	S	PAL	X	X	X	X	X		6
06	GP06-4-6	3.16.18	1525	S	PAL	X	X	X	X	X		6
07	GP05-0.5-2	3.16.18	1530	S	PAL			X				1
08	GP07-0.5-2	3.16.18	1535	S	PAL			X				1
09	GP06-2-4	3.16.18	1540	S	PAL			X				1

Container Type: F A A A A
Preservative: V A A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	3.16.18 1740		3/16/18 1740
	3/16/18 1748		3/17/18 01:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

APPENDIX F

Laboratory Analysis Report for Groundwater

ANALYTICAL REPORT

Lab Number:	L1809283
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12110
ATTN:	Aimee Smith
Phone:	(518) 786-7400
Project Name:	POESTEN KILL PLACE PII
Project Number:	17.7766
Report Date:	03/26/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1809283-01	MW01	WATER	TROY, NY	03/19/18 08:25	03/19/18
L1809283-02	MW02	WATER	TROY, NY	03/19/18 10:15	03/19/18
L1809283-03	MW03	WATER	TROY, NY	03/19/18 10:50	03/19/18
L1809283-04	MW04	WATER	TROY, NY	03/19/18 09:25	03/19/18
L1809283-05	MW05	WATER	TROY, NY	03/19/18 11:50	03/19/18
L1809283-06	MW06	WATER	TROY, NY	03/19/18 12:30	03/19/18
L1809283-07	TRIP BLANK	WATER	TROY, NY		03/19/18

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809283
Project Number:	17.7766	**Report Date:**	03/26/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809283
Project Number:	17.7766	**Report Date:**	03/26/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1809283-01 through -06: The sample was received below the appropriate pH for the Total Cyanide analysis. The laboratory added additional NaOH to a pH >12.

L1809283-07: A sample identified as "TRIP BLANK" was received but not listed on the Chain of Custody and was not analyzed.

Total Metals

The WG1098867-3 MS recoveries for aluminum (60%), calcium (0%), iron (0%), and manganese (2%), performed on L1809283-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 03/26/18

ORGANICS

VOLATILES

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-01 Date Collected: 03/19/18 08:25

Client ID: MW01 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 03/22/18 22:36

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-01 Date Collected: 03/19/18 08:25

Client ID: MW01 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-02 Date Collected: 03/19/18 10:15
Client ID: MW02 Date Received: 03/19/18
Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/22/18 23:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-02 Date Collected: 03/19/18 10:15

Client ID: MW02 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-03
Client ID: MW03
Sample Location: TROY, NY

Date Collected: 03/19/18 10:50
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/22/18 23:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-03 Date Collected: 03/19/18 10:50

Client ID: MW03 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-04
Client ID: MW04
Sample Location: TROY, NY

Date Collected: 03/19/18 09:25
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/23/18 00:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-04 Date Collected: 03/19/18 09:25

Client ID: MW04 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-05 Date Collected: 03/19/18 11:50
Client ID: MW05 Date Received: 03/19/18
Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/23/18 00:27
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-05 Date Collected: 03/19/18 11:50

Client ID: MW05 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.80	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-06
Client ID: MW06
Sample Location: TROY, NY

Date Collected: 03/19/18 12:30
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/23/18 00:55
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-06 Date Collected: 03/19/18 12:30

Client ID: MW06 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/18 20:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1099977-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/18 20:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1099977-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/18 20:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1099977-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809283

Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1099977-3 WG1099977-4								
Methylene chloride	120		110		70-130	9		20
1,1-Dichloroethane	120		110		70-130	9		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	96		91		63-132	5		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	100		97		63-130	3		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		95		70-130	5		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	100		96		62-150	4		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	100		96		67-130	4		20
Bromodichloromethane	98		95		67-130	3		20
trans-1,3-Dichloropropene	110		100		70-130	10		20
cis-1,3-Dichloropropene	100		98		70-130	2		20
Bromoform	90		88		54-136	2		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		100		70-130	10		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	130		110		64-130	17		20
Bromomethane	120		100		39-139	18		20
Vinyl chloride	140		130		55-140	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1099977-3 WG1099977-4								
Chloroethane	**140**	Q	120		55-138	15		20
1,1-Dichloroethene	110		100		61-145	10		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	99		93		70-130	6		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	115		105		70-130	9		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	130		125		70-130	4		20
Dichlorodifluoromethane	120		100		36-147	18		20
Acetone	96		83		58-148	15		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	98		94		63-138	4		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	89		85		57-130	5		20
Bromochloromethane	99		96		70-130	3		20
1,2-Dibromoethane	100		98		70-130	2		20
1,2-Dibromo-3-chloropropane	87		88		41-144	1		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	87		81		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1099977-3 WG1099977-4								
1,2,4-Trichlorobenzene	89		84		70-130	6		20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	120		110		70-130	9		20
1,4-Dioxane	64		70		56-162	9		20
Freon-113	100		99		70-130	1		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		95		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	94		94		70-130

SEMIVOLATILES

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-01
Client ID: MW01
Sample Location: TROY, NY

Date Collected: 03/19/18 08:25
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/22/18 16:34
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 15:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.02	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	76		15-120
4-Terphenyl-d14	56		41-149

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-02
Client ID: MW02
Sample Location: TROY, NY

Date Collected: 03/19/18 10:15
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/22/18 17:05
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 15:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	80		15-120
4-Terphenyl-d14	47		41-149

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-03
Client ID: MW03
Sample Location: TROY, NY

Date Collected: 03/19/18 10:50
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/22/18 17:37
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 15:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	90		15-120
4-Terphenyl-d14	53		41-149

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-04
Client ID: MW04
Sample Location: TROY, NY

Date Collected: 03/19/18 09:25
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/22/18 18:08
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 15:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.32		ug/l	0.10	0.04	1
Fluoranthene	0.59		ug/l	0.10	0.04	1
Benzo(a)anthracene	0.22		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.21		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.25		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	0.10		ug/l	0.10	0.04	1
Chrysene	0.24		ug/l	0.10	0.04	1
Acenaphthylene	0.08	J	ug/l	0.10	0.04	1
Anthracene	0.21		ug/l	0.10	0.04	1
Benzo(ghi)perylene	0.09	J	ug/l	0.10	0.04	1
Fluorene	0.33		ug/l	0.10	0.04	1
Phenanthrene	1.0		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	0.10		ug/l	0.10	0.04	1
Pyrene	0.49		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	80		15-120
4-Terphenyl-d14	55		41-149

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-05
Client ID: MW05
Sample Location: TROY, NY

Date Collected: 03/19/18 11:50
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/22/18 18:39
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 15:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
Fluoranthene	ND		ug/l	0.10	0.04	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	ND		ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	87		15-120
4-Terphenyl-d14	47		41-149

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-06
Client ID: MW06
Sample Location: TROY, NY

Date Collected: 03/19/18 12:30
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 03/22/18 19:11
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 15:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
Fluoranthene	0.09	J	ug/l	0.10	0.04	1
Benzo(a)anthracene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.04	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04	1
Chrysene	ND		ug/l	0.10	0.04	1
Acenaphthylene	ND		ug/l	0.10	0.04	1
Anthracene	ND		ug/l	0.10	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.04	1
Fluorene	ND		ug/l	0.10	0.04	1
Phenanthrene	0.08	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04	1
Pyrene	0.07	J	ug/l	0.10	0.04	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	82		15-120
4-Terphenyl-d14	46		41-149

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 03/22/18 09:06
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 11:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-06 Batch: WG1099173-1					
Acenaphthene	ND		ug/l	0.10	0.04
Fluoranthene	ND		ug/l	0.10	0.04
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.04
Benzo(b)fluoranthene	ND		ug/l	0.10	0.02
Benzo(k)fluoranthene	ND		ug/l	0.10	0.04
Chrysene	ND		ug/l	0.10	0.04
Acenaphthylene	ND		ug/l	0.10	0.04
Anthracene	ND		ug/l	0.10	0.04
Benzo(ghi)perylene	ND		ug/l	0.10	0.04
Fluorene	ND		ug/l	0.10	0.04
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.04
Pyrene	ND		ug/l	0.10	0.04

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	53		15-120
4-Terphenyl-d14	124		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-06 Batch: WG1099173-2 WG1099173-3								
Acenaphthene	73		76		40-140	4		40
Fluoranthene	82		85		40-140	4		40
Benzo(a)anthracene	74		77		40-140	4		40
Benzo(a)pyrene	91		94		40-140	3		40
Benzo(b)fluoranthene	83		86		40-140	4		40
Benzo(k)fluoranthene	87		90		40-140	3		40
Chrysene	69		72		40-140	4		40
Acenaphthylene	82		90		40-140	9		40
Anthracene	82		84		40-140	2		40
Benzo(ghi)perylene	87		91		40-140	4		40
Fluorene	78		80		40-140	3		40
Phenanthrene	73		75		40-140	3		40
Dibenzo(a,h)anthracene	91		95		40-140	4		40
Indeno(1,2,3-cd)pyrene	90		95		40-140	5		40
Pyrene	79		82		40-140	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	68		82		23-120
2-Fluorobiphenyl	81		89		15-120
4-Terphenyl-d14	114		119		41-149

PCBS

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-01
Client ID: MW01
Sample Location: TROY, NY

Date Collected: 03/19/18 08:25
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/23/18 08:33
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 01:41
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-02
Client ID: MW02
Sample Location: TROY, NY

Date Collected: 03/19/18 10:15
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/23/18 08:45
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 01:41
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-03
Client ID: MW03
Sample Location: TROY, NY

Date Collected: 03/19/18 10:50
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/23/18 10:01
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 01:41
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-04
Client ID: MW04
Sample Location: TROY, NY

Date Collected: 03/19/18 09:25
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/23/18 10:14
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 01:42
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-05
Client ID: MW05
Sample Location: TROY, NY

Date Collected: 03/19/18 11:50
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/23/18 10:26
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 01:42
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-06
Client ID: MW06
Sample Location: TROY, NY

Date Collected: 03/19/18 12:30
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/23/18 10:39
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 01:42
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.020	1	A
Aroclor 1221	ND		ug/l	0.083	0.032	1	A
Aroclor 1232	ND		ug/l	0.083	0.027	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.023	1	A
Aroclor 1254	ND		ug/l	0.083	0.035	1	A
Aroclor 1260	ND		ug/l	0.083	0.020	1	A
Aroclor 1262	ND		ug/l	0.083	0.017	1	A
Aroclor 1268	ND		ug/l	0.083	0.027	1	A
PCBs, Total	ND		ug/l	0.083	0.017	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/23/18 08:57
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 03/21/18 01:41
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/23/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1099014-1						
Aroclor 1016	ND		ug/l	0.083	0.020	A
Aroclor 1221	ND		ug/l	0.083	0.032	A
Aroclor 1232	ND		ug/l	0.083	0.027	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.023	A
Aroclor 1254	ND		ug/l	0.083	0.035	A
Aroclor 1260	ND		ug/l	0.083	0.020	A
Aroclor 1262	ND		ug/l	0.083	0.017	A
Aroclor 1268	ND		ug/l	0.083	0.027	A
PCBs, Total	ND		ug/l	0.083	0.017	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809283

Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1099014-2 WG1099014-3									
Aroclor 1016	78		73		40-140	6		50	A
Aroclor 1260	85		79		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		78		30-150	A
Decachlorobiphenyl	88		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		69		30-150	B
Decachlorobiphenyl	91		80		30-150	B

PESTICIDES

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-01
Client ID: MW01
Sample Location: TROY, NY

Date Collected: 03/19/18 08:25
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/26/18 15:28
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 22:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-01 Date Collected: 03/19/18 08:25

Client ID: MW01 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-02
Client ID: MW02
Sample Location: TROY, NY

Date Collected: 03/19/18 10:15
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/23/18 12:40
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	0.014	J	ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND	PI	ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-02 Date Collected: 03/19/18 10:15

Client ID: MW02 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-03
Client ID: MW03
Sample Location: TROY, NY

Date Collected: 03/19/18 10:50
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/23/18 20:37
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-03 Date Collected: 03/19/18 10:50

Client ID: MW03 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-04
Client ID: MW04
Sample Location: TROY, NY

Date Collected: 03/19/18 09:25
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/23/18 17:24
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-04 Date Collected: 03/19/18 09:25

Client ID: MW04 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-05
Client ID: MW05
Sample Location: TROY, NY

Date Collected: 03/19/18 11:50
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/23/18 20:50
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-05 Date Collected: 03/19/18 11:50

Client ID: MW05 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: POESTEN KILL PLACE PII
Lab Number: L1809283
Project Number: 17.7766
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-06
Client ID: MW06
Sample Location: TROY, NY

Date Collected: 03/19/18 12:30
Date Received: 03/19/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/23/18 13:30
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	0.013	J	ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND	PI	ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-06 Date Collected: 03/19/18 12:30

Client ID: MW06 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/18 12:02
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-06 Batch: WG1099382-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	0.007	J	ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
Chlordane	ND		ug/l	0.200	0.046	A
trans-Chlordane	0.007	J	ug/l	0.020	0.006	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/18 12:02
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 02:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-06 Batch: WG1099382-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/18 17:12
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 22:30

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1099756-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/18 17:12
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 03/22/18 22:30

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1099756-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	119		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	125		30-150	B
Decachlorobiphenyl	112		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809283

Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-06 Batch: WG1099382-2 WG1099382-3									
Delta-BHC	88		90		30-150	2		20	A
Lindane	83		86		30-150	4		20	A
Alpha-BHC	85		89		30-150	5		20	A
Beta-BHC	88		92		30-150	4		20	A
Heptachlor	77		71		30-150	8		20	A
Aldrin	82		74		30-150	10		20	A
Heptachlor epoxide	79		81		30-150	2		20	A
Endrin	88		89		30-150	1		20	A
Endrin aldehyde	72		71		30-150	2		20	A
Endrin ketone	84		84		30-150	1		20	A
Dieldrin	93		95		30-150	1		20	A
4,4'-DDE	88		88		30-150	0		20	A
4,4'-DDD	89		89		30-150	0		20	A
4,4'-DDT	88		89		30-150	0		20	A
Endosulfan I	86		87		30-150	1		20	A
Endosulfan II	80		79		30-150	1		20	A
Endosulfan sulfate	101		99		30-150	2		20	A
Methoxychlor	102		102		30-150	0		20	A
cis-Chlordane	79		79		30-150	0		20	A
trans-Chlordane	81		81		30-150	0		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809283

Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-06 Batch: WG1099382-2 WG1099382-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		47		30-150	A
Decachlorobiphenyl	77		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		46		30-150	B
Decachlorobiphenyl	76		75		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1099756-2 WG1099756-3									
Delta-BHC	123		124		30-150	1		20	A
Lindane	109		111		30-150	2		20	A
Alpha-BHC	117		119		30-150	2		20	A
Beta-BHC	101		102		30-150	1		20	A
Heptachlor	96		97		30-150	1		20	A
Aldrin	91		92		30-150	2		20	A
Heptachlor epoxide	105		107		30-150	2		20	A
Endrin	110		112		30-150	2		20	A
Endrin aldehyde	105		105		30-150	0		20	A
Endrin ketone	118		119		30-150	1		20	A
Dieldrin	114		117		30-150	3		20	A
4,4'-DDE	105		108		30-150	3		20	A
4,4'-DDD	112		113		30-150	1		20	A
4,4'-DDT	117		120		30-150	3		20	A
Endosulfan I	108		110		30-150	2		20	A
Endosulfan II	106		108		30-150	2		20	A
Endosulfan sulfate	110		112		30-150	2		20	A
Methoxychlor	114		114		30-150	0		20	A
cis-Chlordane	92		94		30-150	2		20	A
trans-Chlordane	102		104		30-150	2		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809283

Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1099756-2 WG1099756-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		93		30-150	A
Decachlorobiphenyl	94		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		97		30-150	B
Decachlorobiphenyl	97		97		30-150	B

METALS

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-01 Date Collected: 03/19/18 08:25

Client ID: MW01 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12.5		mg/l	0.0100	0.00327	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Antimony, Total	0.00094	J	mg/l	0.00400	0.00042	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Arsenic, Total	0.00870		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Barium, Total	0.3292		mg/l	0.00050	0.00017	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00087		mg/l	0.00050	0.00010	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00036		mg/l	0.00020	0.00005	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Calcium, Total	108.		mg/l	0.100	0.0394	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Chromium, Total	0.02102		mg/l	0.00100	0.00017	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Cobalt, Total	0.01721		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Copper, Total	0.03121		mg/l	0.00100	0.00038	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Iron, Total	31.7		mg/l	0.0500	0.0191	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Lead, Total	0.02594		mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Magnesium, Total	22.5		mg/l	0.0700	0.0242	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Manganese, Total	2.517		mg/l	0.00100	0.00044	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 21:10	EPA 7470A	1,7470A	EA
Nickel, Total	0.02682		mg/l	0.00200	0.00055	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Potassium, Total	7.88		mg/l	0.100	0.0309	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Selenium, Total	0.00678		mg/l	0.00500	0.00173	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Sodium, Total	77.0		mg/l	0.100	0.0293	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Vanadium, Total	0.01861		mg/l	0.00500	0.00157	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM
Zinc, Total	0.08179		mg/l	0.01000	0.00341	1	03/20/18 16:10	03/22/18 12:19	EPA 3005A	1,6020A	AM

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-02 Date Collected: 03/19/18 10:15

Client ID: MW02 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7.02		mg/l	0.0100	0.00327	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Antimony, Total	0.00069	J	mg/l	0.00400	0.00042	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Arsenic, Total	0.01270		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Barium, Total	0.6459		mg/l	0.00050	0.00017	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00057		mg/l	0.00050	0.00010	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Calcium, Total	130.		mg/l	0.100	0.0394	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Chromium, Total	0.01330		mg/l	0.00100	0.00017	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00748		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Copper, Total	0.01865		mg/l	0.00100	0.00038	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Iron, Total	23.8		mg/l	0.0500	0.0191	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Lead, Total	0.03725		mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Magnesium, Total	21.5		mg/l	0.0700	0.0242	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Manganese, Total	6.039		mg/l	0.00100	0.00044	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Mercury, Total	0.00006	J	mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 21:12	EPA 7470A	1,7470A	EA
Nickel, Total	0.01307		mg/l	0.00200	0.00055	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Potassium, Total	9.08		mg/l	0.100	0.0309	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Selenium, Total	0.00205	J	mg/l	0.00500	0.00173	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Sodium, Total	88.6		mg/l	0.100	0.0293	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Vanadium, Total	0.01196		mg/l	0.00500	0.00157	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM
Zinc, Total	0.03856		mg/l	0.01000	0.00341	1	03/20/18 16:10	03/22/18 12:23	EPA 3005A	1,6020A	AM

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-03 Date Collected: 03/19/18 10:50

Client ID: MW03 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	36.2		mg/l	0.0100	0.00327	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Antimony, Total	0.00130	J	mg/l	0.00400	0.00042	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Arsenic, Total	0.01630		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Barium, Total	1.948		mg/l	0.00050	0.00017	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00516		mg/l	0.00050	0.00010	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00099		mg/l	0.00020	0.00005	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Calcium, Total	164.		mg/l	0.100	0.0394	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Chromium, Total	0.04537		mg/l	0.00100	0.00017	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Cobalt, Total	0.04902		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Copper, Total	0.08895		mg/l	0.00100	0.00038	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Iron, Total	65.0		mg/l	0.0500	0.0191	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Lead, Total	0.07556		mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Magnesium, Total	32.3		mg/l	0.0700	0.0242	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Manganese, Total	16.18		mg/l	0.02000	0.00880	20	03/20/18 16:10	03/22/18 14:00	EPA 3005A	1,6020A	AM
Mercury, Total	0.00008	J	mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 21:13	EPA 7470A	1,7470A	EA
Nickel, Total	0.06232		mg/l	0.00200	0.00055	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Potassium, Total	12.0		mg/l	0.100	0.0309	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Selenium, Total	0.0187		mg/l	0.00500	0.00173	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Silver, Total	0.00021	J	mg/l	0.00040	0.00016	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Sodium, Total	82.8		mg/l	0.100	0.0293	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Thallium, Total	0.00023	J	mg/l	0.00050	0.00014	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Vanadium, Total	0.04019		mg/l	0.00500	0.00157	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM
Zinc, Total	0.1924		mg/l	0.01000	0.00341	1	03/20/18 16:10	03/22/18 12:39	EPA 3005A	1,6020A	AM

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-04 Date Collected: 03/19/18 09:25

Client ID: MW04 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	17.4		mg/l	0.0100	0.00327	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Antimony, Total	0.00165	J	mg/l	0.00400	0.00042	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Arsenic, Total	0.02062		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Barium, Total	0.5422		mg/l	0.00050	0.00017	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00120		mg/l	0.00050	0.00010	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00043		mg/l	0.00020	0.00005	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Calcium, Total	122.		mg/l	0.100	0.0394	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Chromium, Total	0.04371		mg/l	0.00100	0.00017	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Cobalt, Total	0.02792		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Copper, Total	0.09428		mg/l	0.00100	0.00038	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Iron, Total	65.3		mg/l	0.0500	0.0191	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Lead, Total	0.4708		mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Magnesium, Total	24.6		mg/l	0.0700	0.0242	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Manganese, Total	5.636		mg/l	0.00100	0.00044	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Mercury, Total	0.00089		mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 21:15	EPA 7470A	1,7470A	EA
Nickel, Total	0.05232		mg/l	0.00200	0.00055	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Potassium, Total	10.9		mg/l	0.100	0.0309	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Selenium, Total	0.00546		mg/l	0.00500	0.00173	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Silver, Total	0.00029	J	mg/l	0.00040	0.00016	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Sodium, Total	94.1		mg/l	0.100	0.0293	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Thallium, Total	0.00017	J	mg/l	0.00050	0.00014	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Vanadium, Total	0.03734		mg/l	0.00500	0.00157	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM
Zinc, Total	0.2264		mg/l	0.01000	0.00341	1	03/20/18 16:10	03/22/18 12:43	EPA 3005A	1,6020A	AM

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-05 Date Collected: 03/19/18 11:50

Client ID: MW05 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	28.0		mg/l	0.0100	0.00327	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Antimony, Total	0.00085	J	mg/l	0.00400	0.00042	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Arsenic, Total	0.03323		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Barium, Total	0.8227		mg/l	0.00050	0.00017	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00220		mg/l	0.00050	0.00010	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Cadmium, Total	0.00073		mg/l	0.00020	0.00005	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Calcium, Total	134.		mg/l	0.100	0.0394	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Chromium, Total	0.06164		mg/l	0.00100	0.00017	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Cobalt, Total	0.03704		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Copper, Total	0.07088		mg/l	0.00100	0.00038	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Iron, Total	86.2		mg/l	0.0500	0.0191	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Lead, Total	0.08014		mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Magnesium, Total	28.3		mg/l	0.0700	0.0242	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Manganese, Total	5.594		mg/l	0.00100	0.00044	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 21:20	EPA 7470A	1,7470A	EA
Nickel, Total	0.06766		mg/l	0.00200	0.00055	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Potassium, Total	12.8		mg/l	0.100	0.0309	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Selenium, Total	0.00708		mg/l	0.00500	0.00173	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Sodium, Total	81.6		mg/l	0.100	0.0293	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Thallium, Total	0.00016	J	mg/l	0.00050	0.00014	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Vanadium, Total	0.05553		mg/l	0.00500	0.00157	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM
Zinc, Total	0.1885		mg/l	0.01000	0.00341	1	03/20/18 16:10	03/22/18 12:47	EPA 3005A	1,6020A	AM

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-06 Date Collected: 03/19/18 12:30

Client ID: MW06 Date Received: 03/19/18

Sample Location: TROY, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2.45		mg/l	0.0100	0.00327	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Arsenic, Total	0.01407		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Barium, Total	0.5122		mg/l	0.00050	0.00017	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Beryllium, Total	0.00017	J	mg/l	0.00050	0.00010	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Calcium, Total	118.		mg/l	0.100	0.0394	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Chromium, Total	0.00441		mg/l	0.00100	0.00017	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Cobalt, Total	0.00323		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Copper, Total	0.00794		mg/l	0.00100	0.00038	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Iron, Total	9.90		mg/l	0.0500	0.0191	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Lead, Total	0.00682		mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Magnesium, Total	20.4		mg/l	0.0700	0.0242	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Manganese, Total	5.871		mg/l	0.00100	0.00044	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 21:22	EPA 7470A	1,7470A	EA
Nickel, Total	0.00537		mg/l	0.00200	0.00055	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Potassium, Total	10.2		mg/l	0.100	0.0309	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Sodium, Total	96.3		mg/l	0.100	0.0293	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Vanadium, Total	0.00325	J	mg/l	0.00500	0.00157	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM
Zinc, Total	0.01462		mg/l	0.01000	0.00341	1	03/20/18 16:10	03/22/18 12:50	EPA 3005A	1,6020A	AM

Project Name: POESTEN KILL PLACE PII **Lab Number:** L1809283

Project Number: 17.7766 **Report Date:** 03/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1098867-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Antimony, Total	0.00081	J	mg/l	0.00400	0.00042	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Iron, Total	0.0260	J	mg/l	0.0500	0.0191	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	03/20/18 16:10	03/22/18 11:52	1,6020A	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1099213-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/21/18 12:38	03/21/18 20:51	1,7470A	EA

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809283

Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1098867-2								
Aluminum, Total	110		-		80-120	-		
Antimony, Total	109		-		80-120	-		
Arsenic, Total	115		-		80-120	-		
Barium, Total	105		-		80-120	-		
Beryllium, Total	113		-		80-120	-		
Cadmium, Total	111		-		80-120	-		
Calcium, Total	108		-		80-120	-		
Chromium, Total	101		-		80-120	-		
Cobalt, Total	116		-		80-120	-		
Copper, Total	108		-		80-120	-		
Iron, Total	111		-		80-120	-		
Lead, Total	112		-		80-120	-		
Magnesium, Total	107		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Nickel, Total	108		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	120		-		80-120	-		
Silver, Total	104		-		80-120	-		
Sodium, Total	106		-		80-120	-		
Thallium, Total	106		-		80-120	-		
Vanadium, Total	102		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809283

Report Date: 03/26/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1098867-2					
Zinc, Total	112	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1099213-2					
Mercury, Total	95	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098867-3 QC Sample: L1809283-01 Client ID: MW01												
Aluminum, Total	12.5	2	13.7	**60**	Q	-	-		75-125	-		20
Antimony, Total	0.00094J	0.5	0.4752	95		-	-		75-125	-		20
Arsenic, Total	0.00870	0.12	0.1214	94		-	-		75-125	-		20
Barium, Total	0.3292	2	2.338	100		-	-		75-125	-		20
Beryllium, Total	0.00087	0.05	0.05444	107		-	-		75-125	-		20
Cadmium, Total	0.00036	0.051	0.05851	114		-	-		75-125	-		20
Calcium, Total	108.	10	107	**0**	Q	-	-		75-125	-		20
Chromium, Total	0.02102	0.2	0.2550	117		-	-		75-125	-		20
Cobalt, Total	0.01721	0.5	0.5623	109		-	-		75-125	-		20
Copper, Total	0.03121	0.25	0.3053	110		-	-		75-125	-		20
Iron, Total	31.7	1	27.7	**0**	Q	-	-		75-125	-		20
Lead, Total	0.02594	0.51	0.5654	106		-	-		75-125	-		20
Magnesium, Total	22.5	10	30.7	82		-	-		75-125	-		20
Manganese, Total	2.517	0.5	2.528	**2**	Q	-	-		75-125	-		20
Nickel, Total	0.02682	0.5	0.5899	113		-	-		75-125	-		20
Potassium, Total	7.88	10	15.7	78		-	-		75-125	-		20
Selenium, Total	0.00678	0.12	0.108	84		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05002	100		-	-		75-125	-		20
Sodium, Total	77.0	10	85.3	83		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1200	100		-	-		75-125	-		20
Vanadium, Total	0.01861	0.5	0.6303	122		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098867-3 QC Sample: L1809283-01 Client ID: MW01									
Zinc, Total	0.08179	0.5	0.6415	112	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1099213-3 QC Sample: L1809145-04 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00489	98	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098867-4 QC Sample: L1809283-01 Client ID: MW01						
Aluminum, Total	12.5	12.2	mg/l	2		20
Antimony, Total	0.00094J	0.00180J	mg/l	NC		20
Arsenic, Total	0.00870	0.00863	mg/l	1		20
Barium, Total	0.3292	0.3296	mg/l	0		20
Beryllium, Total	0.00087	0.00086	mg/l	1		20
Cadmium, Total	0.00036	0.00040	mg/l	11		20
Calcium, Total	108.	103	mg/l	5		20
Chromium, Total	0.02102	0.02072	mg/l	1		20
Cobalt, Total	0.01721	0.01688	mg/l	2		20
Copper, Total	0.03121	0.03069	mg/l	2		20
Iron, Total	31.7	31.0	mg/l	2		20
Lead, Total	0.02594	0.02597	mg/l	0		20
Magnesium, Total	22.5	21.9	mg/l	3		20
Manganese, Total	2.517	2.441	mg/l	3		20
Nickel, Total	0.02682	0.02675	mg/l	0		20
Potassium, Total	7.88	7.56	mg/l	4		20
Selenium, Total	0.00678	0.00635	mg/l	7		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	77.0	75.4	mg/l	2		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1098867-4 QC Sample: L1809283-01 Client ID: MW01					
Thallium, Total	ND	0.00022J	mg/l	NC	20
Vanadium, Total	0.01861	0.01747	mg/l	6	20
Zinc, Total	0.08179	0.07911	mg/l	3	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1099213-4 QC Sample: L1809145-04 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-01
Client ID: MW01
Sample Location: TROY, NY
Sample Depth:
Matrix: Water
Date Collected: 03/19/18 08:25
Date Received: 03/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/23/18 11:30	03/23/18 14:19	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-02
Client ID: MW02
Sample Location: TROY, NY
Sample Depth:
Matrix: Water
Date Collected: 03/19/18 10:15
Date Received: 03/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	03/23/18 11:30	03/23/18 14:42	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-03
Client ID: MW03
Sample Location: TROY, NY
Sample Depth:
Matrix: Water
Date Collected: 03/19/18 10:50
Date Received: 03/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	03/23/18 11:30	03/23/18 14:22	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-04
Client ID: MW04
Sample Location: TROY, NY
Sample Depth:
Matrix: Water
Date Collected: 03/19/18 09:25
Date Received: 03/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.005		mg/l	0.005	0.001	1	03/23/18 11:30	03/23/18 14:23	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-05
Client ID: MW05
Sample Location: TROY, NY
Sample Depth:
Matrix: Water
Date Collected: 03/19/18 11:50
Date Received: 03/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.010		mg/l	0.005	0.001	1	03/23/18 11:30	03/23/18 14:37	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

SAMPLE RESULTS

Lab ID: L1809283-06
Client ID: MW06
Sample Location: TROY, NY
Sample Depth:
Matrix: Water

Date Collected: 03/19/18 12:30
Date Received: 03/19/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.007		mg/l	0.005	0.001	1	03/23/18 11:30	03/23/18 14:38	1,9010C/9012B	LH

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766
Lab Number: L1809283
Report Date: 03/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1099921-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/23/18 11:30	03/23/18 14:05	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: POESTEN KILL PLACE PII

Project Number: 17.7766

Lab Number: L1809283

Report Date: 03/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1099921-2 WG1099921-3								
Cyanide, Total	98		93		85-115	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1099921-4 WG1099921-5 QC Sample: L1809283-04 Client ID: MW04												
Cyanide, Total	0.005	0.2	0.208	101		0.207	100		80-120	0		20

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1809283-01A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-01B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-01C	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-01D	Plastic 250ml HNO3 preserved	B	<2	<2	4.3	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1809283-01E	Amber 500ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L1809283-01F	Amber 500ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L1809283-01G	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-01H	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-01I	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYCP51-PAHSIM(7)
L1809283-01J	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYCP51-PAHSIM(7)
L1809283-01X	Plastic 250ml NaOH preserved split	C	7	>12	4.4	N	Absent		TCN-9010(14)
L1809283-02A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-02B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-02C	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1809283-02D	Plastic 250ml HNO3 preserved	B	<2	<2	4.3	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1809283-02E	Amber 500ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L1809283-02F	Amber 500ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L1809283-02G	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-02H	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-02I	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYCP51-PAHSIM(7)
L1809283-02J	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYCP51-PAHSIM(7)
L1809283-02X	Plastic 250ml NaOH preserved split	C	7	>12	4.4	N	Absent		TCN-9010(14)
L1809283-03A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-03B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-03C	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-03D	Plastic 250ml HNO3 preserved	B	<2	<2	4.3	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1809283-03E	Amber 500ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L1809283-03F	Amber 500ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L1809283-03G	Amber 1000ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-03H	Amber 1000ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-03I	Amber 1000ml unpreserved	B	7	7	4.3	Y	Absent		NYCP51-PAHSIM(7)
L1809283-03J	Amber 1000ml unpreserved	B	7	7	4.3	Y	Absent		NYCP51-PAHSIM(7)
L1809283-03X	Plastic 250ml NaOH preserved split	B	7	>12	4.3	N	Absent		TCN-9010(14)
L1809283-04A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1809283-04B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-04C	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-04D	Plastic 250ml HNO3 preserved	B	<2	<2	4.3	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1809283-04E	Amber 500ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8081(7)
L1809283-04F	Amber 500ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8081(7)
L1809283-04G	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-04H	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-04I	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYCP51-PAHSIM(7)
L1809283-04J	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYCP51-PAHSIM(7)
L1809283-04X	Plastic 250ml NaOH preserved split	C	7	>12	4.4	N	Absent		TCN-9010(14)
L1809283-05A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-05B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-05C	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-05D	Plastic 250ml HNO3 preserved	B	<2	<2	4.3	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1809283-05E	Amber 500ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L1809283-05F	Amber 500ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L1809283-05G	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-05H	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-05I	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYCP51-PAHSIM(7)
L1809283-05J	Amber 1000ml unpreserved	C	7	7	4.4	Y	Absent		NYCP51-PAHSIM(7)

*Values in parentheses indicate holding time in days

Project Name: POESTEN KILL PLACE PII
Project Number: 17.7766

Lab Number: L1809283
Report Date: 03/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1809283-05X	Plastic 250ml NaOH preserved split	C	7	>12	4.4	N	Absent		TCN-9010(14)
L1809283-06A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-06B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-06C	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260-R2(14)
L1809283-06D	Plastic 250ml HNO3 preserved	B	<2	<2	4.3	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1809283-06E	Amber 500ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8081(7)
L1809283-06F	Amber 500ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8081(7)
L1809283-06G	Amber 1000ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-06H	Amber 1000ml unpreserved	A	7	7	3.3	Y	Absent		NYTCL-8082-1200ML(7)
L1809283-06I	Amber 1000ml unpreserved	A	7	7	3.3	Y	Absent		NYCP51-PAHSIM(7)
L1809283-06J	Amber 1000ml unpreserved	A	7	7	3.3	Y	Absent		NYCP51-PAHSIM(7)
L1809283-06X	Plastic 250ml NaOH preserved split	A	7	>12	3.3	N	Absent		TCN-9010(14)
L1809283-07A	Vial HCl preserved	B	NA		4.3	Y	Absent		HOLD-8260(14)
L1809283-07B	Vial HCl preserved	B	NA		4.3	Y	Absent		HOLD-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809283
Project Number:	17.7766	**Report Date:**	03/26/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809283
Project Number:	17.7766	**Report Date:**	03/26/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	POESTEN KILL PLACE PII	**Lab Number:**	L1809283
Project Number:	17.7766	**Report Date:**	03/26/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/20/18

ALPHA Job #: L1809283

Client Information
Client: CT Male Associates
Address: 50 Century Hill Dr.
Latham NY 12011
Phone: 518 786 7400
Fax: —
Email: A. Smith@CTMale.com

Project Information
Project Name: Poesten Kill Place PII
Project Location: Troy, NY
Project # 17.7766
(Use Project name as Project #) ☐
Project Manager: Aimee Smith
ALPHAQuote #: —

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☒ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	CP-51 SVOCs 8270	TCL Pesticides	TCL PCBs	TAL Metals/cyanide	Sample Specific Comments	Total Bottles
09283-01	MW01	3.19.18	0825	GW	PAL	X	X	X	X	X		10
-02	MW02	3.19.18	1015	GW	PAL	X	X	X	X	X		10
-03	MW03	3.19.18	1050	GW	PAL	X	X	X	X	X		10
-04	MW04	3.19.18	0925	GW	PAL	X	X	X	X	X		10
-05	MW05	3.19.18	1150	GW	PAL	X	X	X	X	X		10
-06	MW06	3.19.18	1230	GW	PAL	X	X	X	X	X		10

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	A	A	A	P			
Preservative	B	A	A	A	C			

Relinquished By:	Date/Time	Received By:	Date/Time
	3.19.18/1420		3/19/18 1420
			3/20/18 08:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)