



DRAFT

Phase II Environmental Site Assessment Report

FOR

**United Hospital Medical Center
406 Boston Post Road
Port Chester, New York**

Prepared For:

**BR RA Port Chester LLC
c/o Rose Associates, Inc.
777 Third Avenue, 6th Floor
New York, NY 10017**

Prepared By:

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DATE:

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1.0 INTRODUCTION

SESI Consulting Engineers, DPC (SESI) has conducted this Phase II Environmental Site Assessment (Phase II ESA) on behalf of the Requestor, BR RA Port Chester LLC, for an approximately 16-acre property located at 406 Boston Post Road and 899 High Street, Port Chester, New York (Site). The Site is listed on the municipal tax map as Block 1, Lots 2, 2.1, and 2.4. **Figure 1.1** presents a Site Location Plan. The Site consists of a 12-story, 132-unit apartment building; a five-story hospital building with two mechanical penthouse floors and a basement; a six-story office building; a central boiler plant, and four ancillary buildings consisting of a former laundry facility, a carpenter shop, and two small garage structures. The Site improvements were reportedly constructed between the 1910's and 1980 in several phases and were renovated in the 1980s and 1990s. This report complies with the 2015 American Society for Testing and Materials standard (ASTM E1903). **Figure 1.2** presents a Site Plan.

SESI collected soil, soil vapor, and groundwater samples to further investigate the identified Areas of Environmental Concern (AOCs) at the Site as identified in the prior environmental investigations.

1.1 Recognized Environmental Concerns

SESI has reviewed prior Phase I Environmental Site Assessment reports prepared by EMG (May 2005) and by Enviro-Sciences, Inc. (January 2006), and a Phase II ESA prepared by EMG (June 2005) which identified following recognized environmental concerns (RECs):

- **REC 1: Underground Storage Tanks – Power Plant**
 - Two (2) 25,000-gallon underground storage tanks (USTs) installed in 1965 that were used to store No.6 fuel oil for the three boilers located in the central heating plant. The tanks were reportedly removed in 2013. Spill No. 12-13913 was reported on December 27, 2012 also in connection with a tank test failure and possible spill of an unknown quantity of No. 6 fuel oil. The Spill record indicates it was in association with PBS# 3-177865 which was noted by the ESI Status Report as the PBS No. for the two 25,000-gallon No. 6 fuel oil tanks which were registered as temporarily out of service in 2011 and not removed until May 2013. Both Spill Records No. 12-13776 and No. 12-13913 are reported as closed, however, there is no records or data provided with the tank test failures, or the tank closures. EMG collected two soil samples from two soil borings in the vicinity of the USTs.

No volatile organic compounds (VOCs) or polynuclear aromatic hydrocarbons (PAHs) were identified in the soil samples collected. Groundwater was not encountered, and no groundwater samples were collected.

- One (1) 2,000-gallon diesel fuel UST located under a concrete slab at the powerhouse (installed in 1981) was closed-in-place in 2001. According to prior reports the tank was pumped of diesel fuel and filled in place with an inert material as removal would compromise the structural integrity of the building it was under. Two soil samples, one on each accessible side of the tank. The tank appeared intact without damage or holes, and there was no visual observation of petroleum staining. A petroleum odor was detected. Groundwater was not observed, and it appears that no groundwater samples were taken.
- **REC 2 – Underground Storage Tank – Apartment Building**
 - One (1) 10,000-gallon UST located behind the apartment building used to store No.2 fuel oil for the apartment building was installed in 1970 and closed in 1999. It is unknown if samples were collected at the time of the tank closure.
- **REC 3 – Underground Storage Tanks and Former Coal Storage Area**
 - (1) 2,000-gallon diesel closed UST was identified on the EMG Phase I ESA site plan located southwest of the Site laundry. No information relative to this UST has been provided, however it may have been removed and contaminated reported related to Spill Record No. 02-05617 in August 2002.
 - One (1) 550-gallon gasoline UST was removed from the central portion of the Site in 2002. Reportedly, elevated concentrations of semi volatile organic compounds (SVOC) impacts to soil were identified, however groundwater was not observed or tested. Spill Record No. 02-05617 was closed by the New York State Department of Environmental Conservation (NYSDEC).
 - A review of 1915 Sanborn Fire Insurance Maps and aerial maps depicted a coal bin off the building to the east of what was then an L-shaped building labeled United Hospital. Therefore, it is suspected that the former power plant was historically fueled by coal.
- **REC 4: Former Laundry Area** – According to historical Sanborn maps the Site has conducted on-site laundry services since at least 1934. It is unknown if the laundry operations included dry cleaning operations that would have utilized chlorinated solvent.

- **REC 5: Former Carpentry Shop** - According to historical Sanborn maps the Site has conducted on-site carpentry since at least 1934. It is unknown if the carpentry operations utilized solvents or varnishes.

1.2 Site Settings

The Site consists of approximately a 16-acre parcel that is occupied by an apartment, office and closed hospital facility. The Project was constructed between the 1910 and 1980 in several phases and was renovated in the 1980s and 1990s. Project improvements consist of a 12-story, 132-unit apartment building; a five-story hospital building with two mechanical penthouse floors and a basement, containing approximately 380,000 square feet; a six-story office building (Barron Hall) that is joined to the hospital by a pedestrian walkway; a central boiler plant; and four ancillary buildings consisting of a former laundry facility, a carpenter shop, and two small garage structures.

1.3 Proposed Development

The planned new construction for the Site will be a new hotel and residential developments with ground-floor retail.

2.0 SUBSURFACE INVESTIGATION

The field work was conducted under the site-specific Health and Safety Plan (HASP) between October 30 and November 1, 2019.

2.1 Utility Clearance and Geophysical Survey

Prior to conducting any subsurface drilling SESI's drilling contractor (Enviro Drilling) contacted New York's utility mark-out system. In addition, Enviro Drilling utilized a Ground-Penetrating Radar (GPR) unit to clear all proposed boring locations and to conduct a geophysical survey to investigate the potential for historical USTs. The GPR did not detect any previously unknown USTs at the Site. The GPR report from Enviro Drilling is provided in **Appendix A**.

2.1 Soil and Soil Vapor Borings

Twenty (20) soil borings, two (2) temporary wells, and four (4) soil vapor points were advanced using a direct push Geoprobe® rig. A total of twenty (20) soil samples were collected, three (3)

groundwater samples were collected from two (2) temporary wells and one (1) pre-existing permanent well, and four (4) soil vapor samples were collected from four (4) temporary vapor points, and analyzed for various parameters at Alpha Analytical, a NYSDEC ELAP-certified laboratory. The boring, groundwater, and soil vapor sample locations are shown on **Figures 1.3, 1.4, and 1.5**. The soil samples were collected from varying depths based on field screening, which includes screening with Photo Iodization Detector (PID), visual observations, and olfactory observations. Soil descriptions and PID readings are provided on the boring logs presented in **Appendix B**. All soil samples were named based on their respective soil boring number and specified depth. The table below presents a summary of the boring locations and the samples collected.

Summary of Sample Collection Depths

Sample No.:	Sample Location and Purpose	Matrix	Depths (ft bgs)	PID Hits
S-1	Western Parking Lot	Soil	2.5-3'	0
S-2/TW-1	Western Parking Lot	Soil/Groundwater	9.5-10'	206
S-3	Northern Parking Lot	Soil	13.5-14'	3.8
S-4	Power Plant and USTs	Soil	2-2.5'	0
S-5	Power Plant and USTs	Soil	11.5-12'	3.9
S-6	Power Plant and USTs	Soil	9.5-10'	55.1
S-7	Former Carpentry Shop	Soil	4.5-5'	3.6
S-8	Former Carpentry Shop	Soil	3.5-4'	0
S-9	Northeastern Parking Lot	Soil	6.5-7'	17.8
S-10	Northeastern Parking Lot	Soil	2-2.5	0
S-11	Northeastern Parking Lot	Soil	4.5-5'	0
S-12	Eastern Hospital Entrance	Soil	2.5-3'	0
S-13/TW-2	Southeastern Parking Lot	Soil/Groundwater	5.5-6'	0
S-14	Apartment Building UST	Soil	8.5-9'	0
S-15	Apartment Building UST	Soil	11.5-12	0
S-16	Apartment Building UST	Soil	8.5-9'	1.1
S-17	UST and Former Coal Storage Area	Soil	3-3.5'	0
S-18	UST and Former Coal Storage Area	Soil	3.5-4'	0
S-19	UST and Former Coal Storage Area	Soil	10.5-11' and 13.5-14'	118
S-20	UST and Former Coal Storage Area	Soil	3.5-4'	0

GW-3	UST and Former Coal Storage Area	Groundwater	NA	NA
SV-1	UST and Former Coal Storage Area	Soil Vapor	10'	NA
SV-2R	Western Parking Lot	Soil Vapor	6'	NA
SV-3	Northeastern Parking Lot	Soil Vapor	8'	NA
SV-4	Eastern Hospital Entrance	Soil Vapor	8'	NA

Notes:

B = Geoprobe Boring Location

GW = Groundwater Sample Location

NA – Not Applicable

3.0 ANALYTICAL RESULTS

3.1 Soil Investigation Results

In total, twenty (20) soil samples were collected from twenty (20) borings as listed in the table above. The soil sample locations were distributed based on the RECs identified in the Phase I and on site coverage. The soil sample depths were selected based on the field screening, which includes visual and olfactory observations and scanning with photo-iodization detector (PID). The soil samples were sent to Alpha Analytical on a chain-of-custody (COC) and analyzed for TCL/TAL+30. The laboratory files are included in **Appendix C**. A soil sample location plan including a summary of the results is shown in **Figure 1.3**. The embedded tables below contain the analytical results compared with their respective Restricted Residential Soil Cleanup Objectives (RRSCO). Summary tables of the complete soil analytical results are included in **Tables 1-4** and the laboratory reports for the soil samples are included electronically in **Appendix C**.

Petroleum fuel odors and elevated PID readings (exceeding 100 ppm) were noted in borings S-2 (located in the western parking lot) and S-19 (located near the former UST and coal storage area). Soils samples from these borings were collected from the depths exhibiting the highest PID readings.

No volatile organic compounds (VOCs), or pesticides, were identified in any sample collected exceeding the NYSDEC RRSCOs. As shown in the table below several semi volatile organic compounds (SVOCs) were identified at concentrations exceeding their RRSCOs in samples collected from S-5 and S-19 including Benzo[a]anthracene, Benzo[b]fluoranthene, and Chrysene.

Summary of SVOC exceedances of the NYSDEC RRSCO

Sample ID	Restricted Residential	S-19 (10.5-11)	S-5 (11.5-12)
Unit	mg/kg	mg/kg	mg/kg
SVOA-8270D-SOIL		Result	Result
SOIL BY 8270D			
Benzo[a]anthracene	1	0.62	1.2
Benzo[b]fluoranthene	1	0.22	1.2
Chrysene	3.9	1.3	2.1

As shown in the table below, the metal manganese was detected in the sample collected from S-15 and lead in S-8 at concentrations exceeding its RRSCO.

Summary of Metals exceedances of the NYSDEC RRSCOs

Sample ID	Restricted Residential	S-15 (11.5-12')	S-8 (3.5-4)
METALS-SOIL		Result	Result
SOIL BY 6010D(MG/KG)			
Lead	400	19	411
Manganese	2000	2720	314

3.2 Soil Vapor Results

Four (4) soil vapor samples were collected from the site for characterization of soil vapors across the Site. The samples were sent to Test America, a ELAP-Certified laboratory, on a chain of custody (COC) for TO-15 analysis. All the soil gas samples were collected at depth 9 - 10 ft bgs, which is approximately 2-3 feet above the detected groundwater table. The laboratory files are included in Appendix A. A soil vapor sample location plan with a summary of results is shown in **Figure 1.4**. The table below presents the soil vapor results that exceed their USEPA Vapor Intrusion Screening Level (VISL) Target Sub-Slab Soil Gas Concentration. A complete summary table of the analytical results is included as **Table 5** and the laboratory reports for the soil vapor samples are included electronically in **Appendix C**.

As shown in the table below, butadiene and chloroform were detected at concentrations exceeding their VISL screening levels. No other VOCs were detected exceeding their screening levels.

Summary of soil gas exceedances of the EPA levels

Client ID	USEPA VISL TARGET SUB- SLAB SOIL GAS CONCENTRATION (May 2018)	SV-1	SV-2R	SV-3	SV-4
Matrix		ug/m3	ug/m3	ug/m3	ug/m3
Dilution Factor		1	1	1	1
Unit	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
AIR_UGM3 BY TO-15					
Butadiene	3.1	29	135	21.8	6.46
Chloroform	4.1	9.23	ND	ND	2.22
Benzene	12	10.3	18.2	1.76	2.6

3.3 Groundwater Investigation Results

Groundwater samples were collected from one (1) permanent monitoring well (GW-3) and two (2) temporary wells (TW-1 and TW-2). The permanent monitoring well was purged at least 3 well volumes prior to sampling. A groundwater sample was collected from TW-1 based on apparent petroleum impacts (staining, odors) encountered in the soil boring (S-2). A sample was collected from TW-2 to assess groundwater quality in this area of the Site. A sample was collected from existing well GW-3 based on petroleum impacts encountered in soil boring S-19. All of the groundwater samples were sent to Alpha Analytical for TCL/TAL+30 analysis.

A groundwater sample location plan with a summary of the results is shown in **Figure 1.5**. The embedded table below indicates the constituents in groundwater that exceed their NYSDEC Technical and Operational Guidance Series ,1.1.1 (TOGS) Class GA ambient water quality standards (AWQS). Complete summary tables of the groundwater analytical results are included as **Tables 6-9** and the laboratory reports for the soil samples are included electronically in **Appendix C**.

Both unfiltered and filtered groundwater samples were collected for metals analysis in each location. Numerous metals were detected in the unfiltered groundwater samples (total metals) in each sample collected at concentrations exceeding their AWQS, which can be attributed to turbidity in the sample matrix. The filtered samples contained only secondary metals without health-based standards (iron, magnesium, sodium, and manganese) exceeding AWQS, as shown in the table below.

Concentrations of six (6) different PAHs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene) were detected above their TOGS AWQS in TW-1 and TW-2, with one PAH (benzo(b)fluoranthene) exceeding in GW-3.

One VOC (benzene) was detected at a concentration equal to the TOGS AWQS (1 ug/l) in GW-3, and one additional VOC (1,2,4,5-Tetramethylbenzene) was detected exceeding the TOGS AWQS in TW-1.

Free product was not observed on the groundwater table in the temporary wells or permanent well, however, a sheen was observed on the groundwater table in TW-1 in the parking lot area.

Summary of Groundwater exceedances of TOGS Class GA AWQS

Analyte	NYSDEC Ambient Groundwater Quality Standards	Units	TW-1	TW-2	GW-3
Iron, Dissolved	300	ug/l	1970	3240	434
Magnesium, Dissolved	35000	ug/l	80800	2640	7370
Manganese, Dissolved	300	ug/l	1990	209.7	1059
Sodium, Dissolved	20000	ug/l	146000	29400	38800
Benzo(a)anthracene	0.002	ug/l	0.5	0.8	ND
Benzo(a)pyrene	0	ug/l	0.34	0.77	ND
Benzo(b)fluoranthene	0.002	ug/l	0.46	1	0.02
Benzo(k)fluoranthene	0.002	ug/l	0.16	0.31	ND
Chrysene	0.002	ug/l	0.53	0.68	ND
Indeno(1,2,3-cd)pyrene	0.002	ug/l	0.24	0.47	ND
Benzene	1	ug/l	ND	ND	1
1,2,4,5-Tetramethylbenzene	5	ug/l	11	ND	1.4

4.0 PREVIOUS PHASE II INVESTIGATION DATA

SESI previously conducted a Phase II ESA at the Site in November 2018. Sample location plans with summaries of exceedances in soil, soil vapor, and groundwater are included in **Appendix D**. Soil sample B-3 (10-10.5) was collected in the same location as sample S-6 (9.5-10) at a similar depth, and contained seven (7) PAHs, PCBs, and barium well in excess of the RRSCOs. Similarly, sample B-4 (6-6.5) was collected in the same location as sample S-4, and contained the same seven (7) PAHs well in excess of RRSCOs. Sample B-2 (7-7.5) was collected in close proximity to sample S-7 and contained manganese exceeding the RRSCO.

Groundwater samples collected as part of the previous Phase II were analyzed for VOCs and metals only and did not contain any significant exceedances of the TOGS AWQS. Soil vapor samples collected previously contained similar exceedances to those collected during this investigation (1,3-butadiene, chloroform).

Seven (7) test pits were also advanced as part of the previous Phase II ESA. Petroleum free product was identified in TP-1, located near the two (2) former USTs next to the power plant building (REC-1). In addition, a petroleum sheen was observed on groundwater in TP-3 in the vicinity of the former USTs and coal storage area (REC-3)

5.0 CONCLUSIONS AND RECOMMENDATIONS

The Site historic uses and the investigation results indicate evidence of discharge of PAHs and possibly metals in the site soil, PAHs and VOCs in groundwater, and VOCs in soil vapor. Petroleum impacts and/or free product have been observed in multiple locations at the Site. Remediation of the identified exceedances/discharges should be completed before or during the development on the Site.

PAH impacts exceeding the NYSDEC RRSCOs were identified in soil samples collected from borings S-5 and S-19, both located in areas where USTs formerly operated. In addition, soil samples from borings B-3 and B-4, collected during the previous Phase II ESA, contained PAHs well in excess of the RRSCOs. Metals were identified exceeding the restricted residential standard in boring S-8 (lead) by the former carpentry shop, and S-15 (manganese) adjacent to the fuel oil UST next to the apartment building. Barium was identified in boring B-3 during the previous Phase II ESA well in excess of the RRSCO.

Several PAHs were identified well in excess of the TOGS AWQS in two of the groundwater samples, which may be related to onsite discharges.

Finally, butadiene was detected at concentrations exceeding its VISL screening levels in all 4 soil vapor samples and chloroform and benzene were each detected at concentrations exceeding their VISL screening levels in one soil vapor sample. It is not clear if the soil vapor concentrations detected are related to previous site activities.

Additional investigation is required to determine the limit of the PAH impacts to soil and groundwater at the Site. Step-out investigation is required to complete the delineation of the

reported exceedances. Based on the detected exceedances, remediation is required to address the impacted areas as part of any site redevelopment.

FIGURES

N:\ACAD\10446\10446 SITE LOCATION MAP.DWG 12/19/18 01:50:53PM, jenny, LAYOUT:FIG-1.1

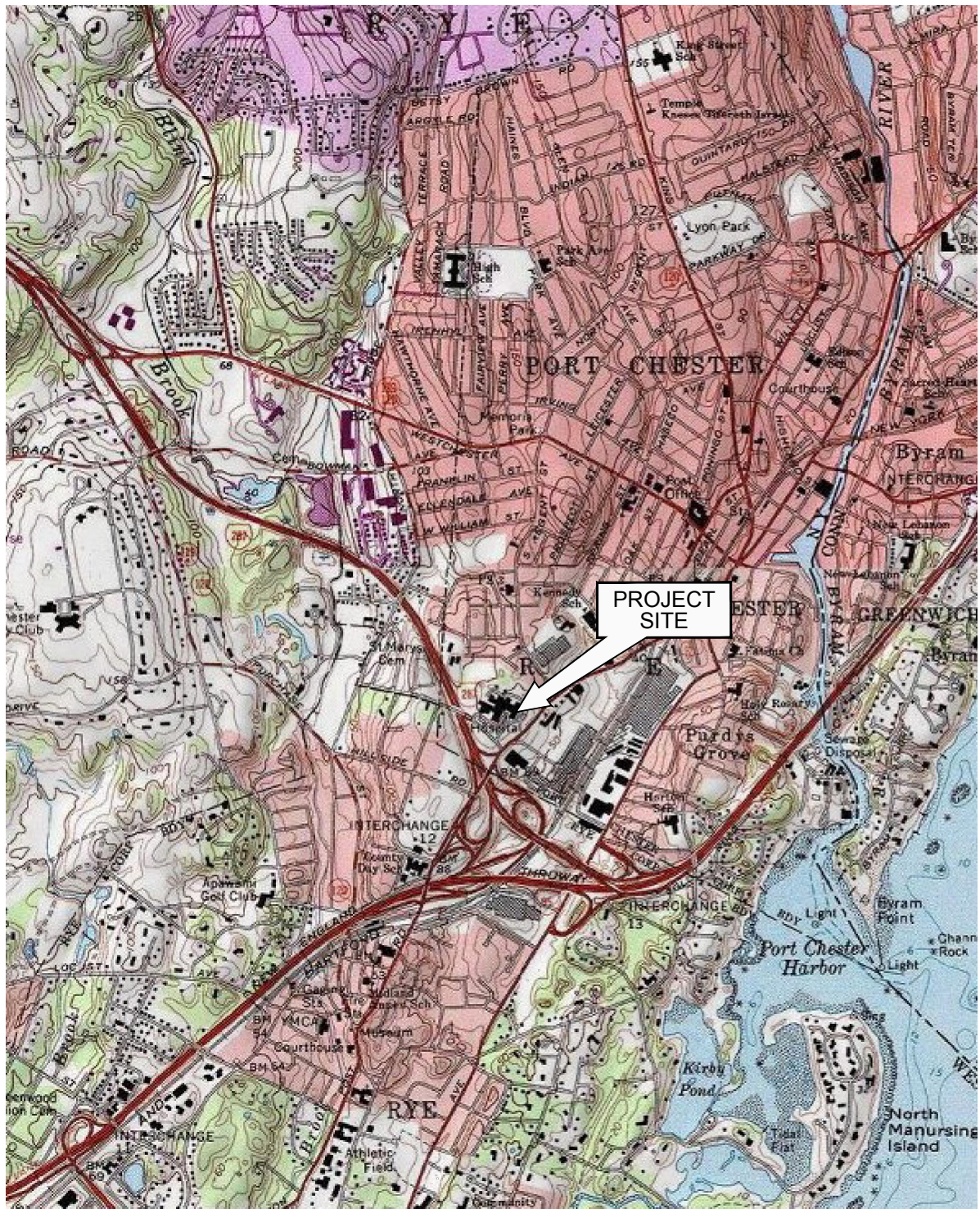
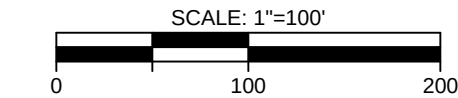


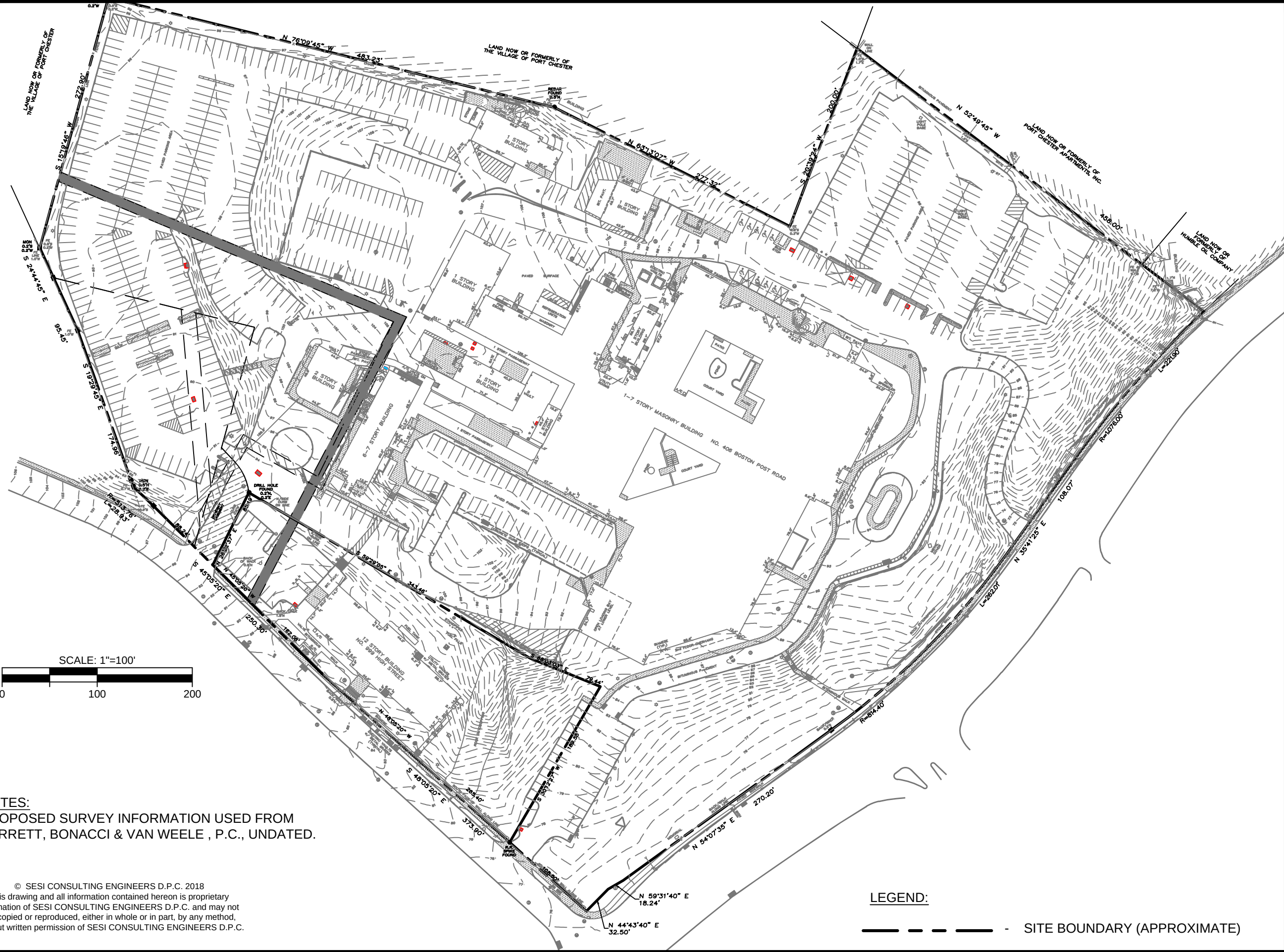
		FIG-1.1	
UNITED HOSPITAL MEDICAL CENTER 406 BOSTON POST ROAD PORT CHESTER, NEW YORK	SESI CONSULTING ENGINEERS D.P.C. 12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050	SOILS / FOUNDATIONS	DRAWN BY: yy
		SITE DESIGN	CHECKED BY: SG
SITE LOCATION MAP		ENVIRONMENTAL	SCALE: N.T.S.
			DATE: 12/17/18
			JOB NO.: 10446

N:\ACAD\10446\10446 FIG-1.2 SITE PLAN.DWG 12/19/18 01:52:02PM, Jenny, LAYOUT: FIG-1.2



NOTES:
PROPOSED SURVEY INFORMATION USED FROM
BARRETT, BONACCI & VAN WEELE, P.C., UNDATED.

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LEGEND:

--- SITE BOUNDARY (APPROXIMATE)

project: UNITED HOSPITAL MEDICAL CENTER
406 BOSTON POST ROAD
PORT CHESTER, NEW YORK

drawing title:

SITE PLAN

job no: 10446
drawing no:

FIG-1.2

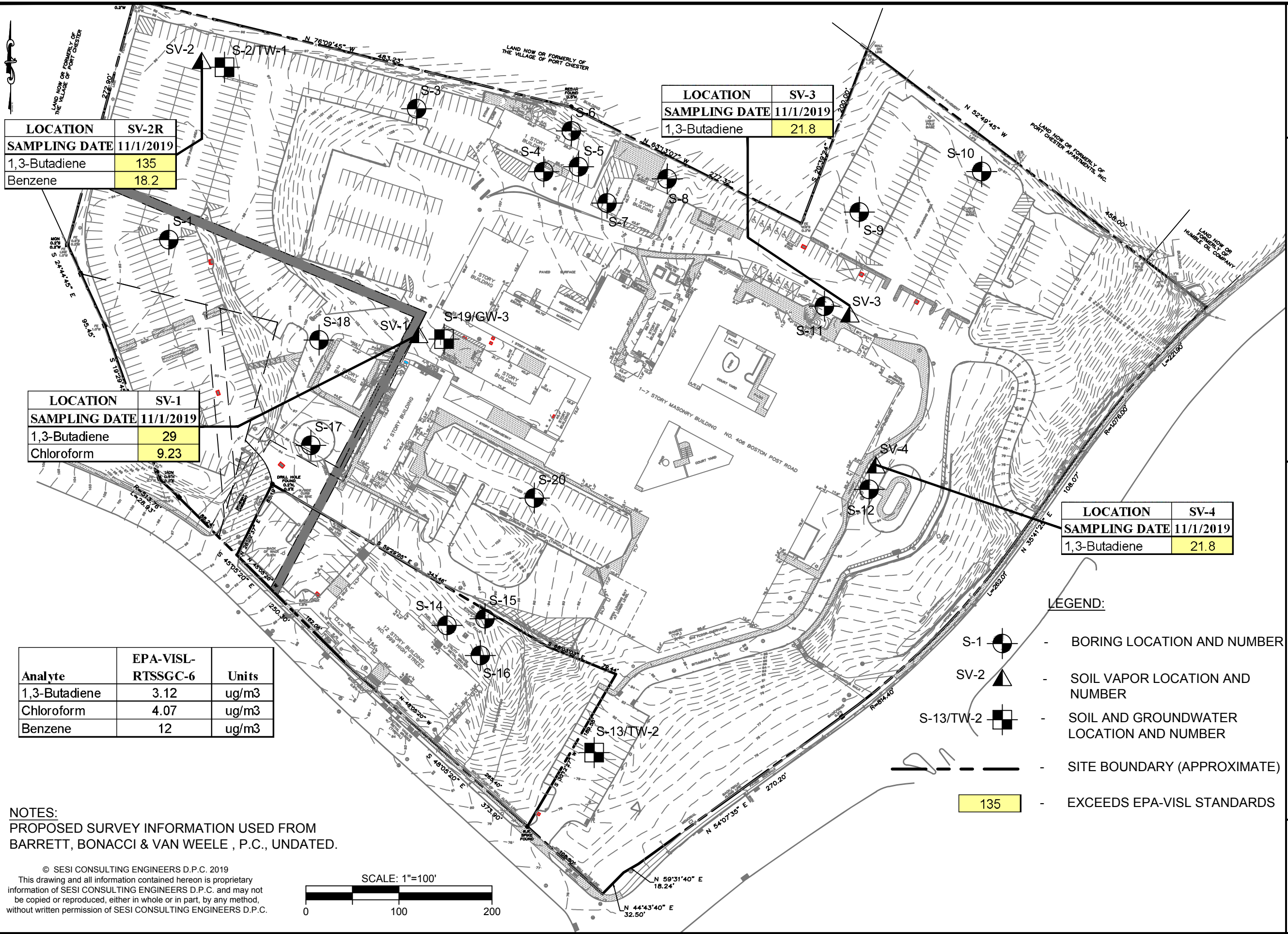
SESI
CONSULTING
ENGINEERS D.P.C.

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: yy
chk by: SG
scale: 1" = 100'
date: 12/17/18

N:\ACAD\10920\CADD\10920 SAMPLE LOCATION PLAN.DWG 11/14/19 11:35:00AM, aas, LAYOUT:FIG-1.4



dwg by: AAS
chk by: SG
scale: 1" = 100'
date: 11/14/19

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

SESI
CONSULTING
ENGINEERS D.P.C.

12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

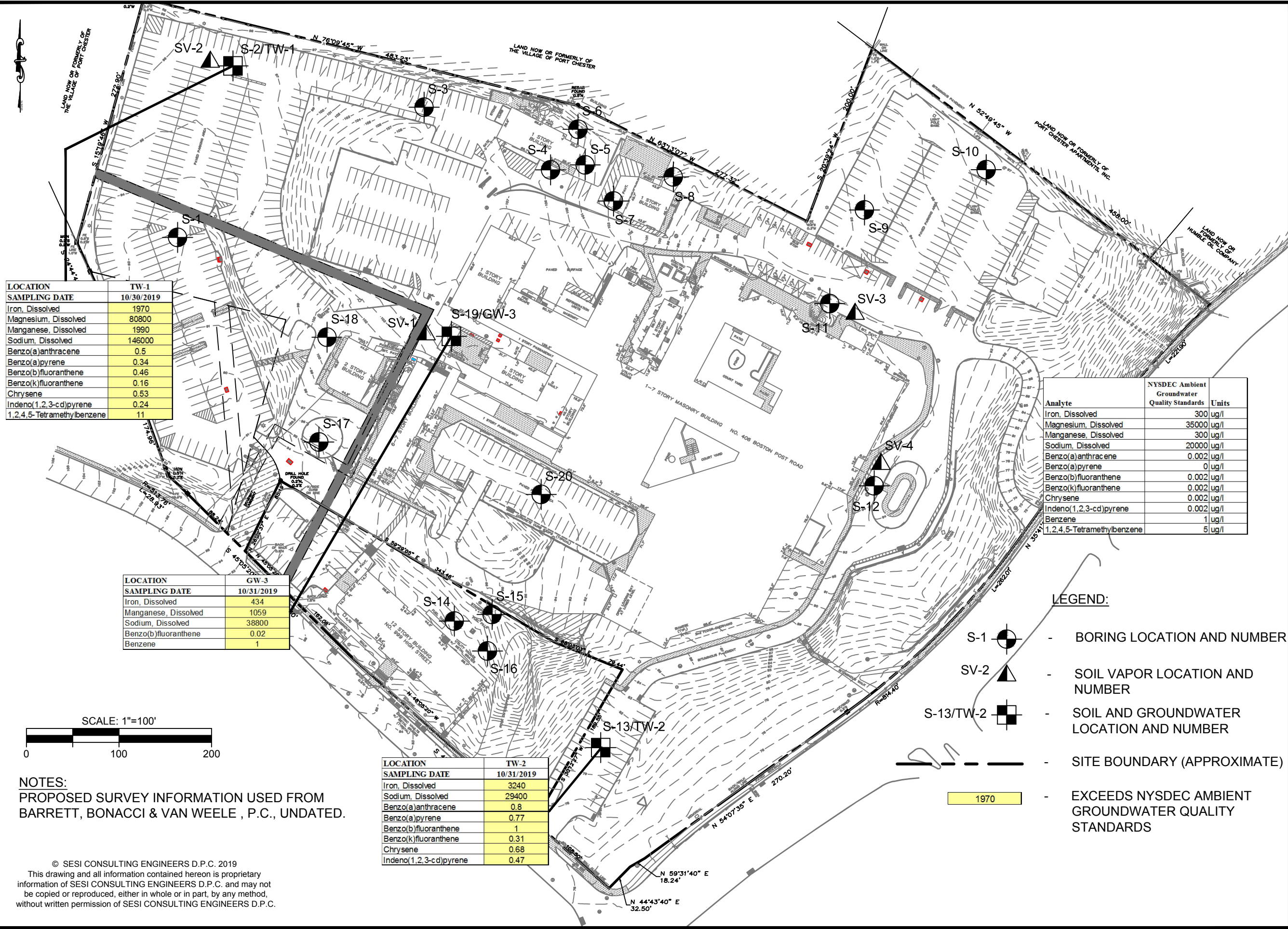
project: UNITED HOSPITAL MEDICAL CENTER
406 BOSTON POST ROAD
PORT CHESTER, NEW YORK

drawing title: SOIL VAPOR SAMPLES
RESULTS PLAN

job no: 10920
drawing no:

FIG-1.4

N:\ACAD\10920\CADD\10920 SAMPLE LOCATION PLAN.DWG 11/14/19 11:35:14AM, aas, LAYOUT: FIG-1.5



dwg by: AAS
chk by: SG
scale: 1" = 100'
date: 11/14/19

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

SESI
CONSULTING
ENGINEERS D.P.C.

12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project:
UNITED HOSPITAL MEDICAL CENTER
406 BOSTON POST ROAD
PORT CHESTER, NEW YORK

drawing title:
**GROUNDWATER SAMPLES
RESULTS PLAN**

job no: 10920
drawing no:

FIG-1.5

TABLES

Table 8
Dissolved and Total Metals in Groundwater
406 Boston Post Road
Port Chester, NY

LOCATION				TW-1		TW-2		GW-3	
SAMPLING DATE				10/30/2019		10/31/2019		10/31/2019	
LAB SAMPLE ID				L1951298-12		L1951621-11		L1951621-12	
SAMPLE TYPE				WATER		WATER		WATER	
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
Dissolved Metals									
Aluminum, Dissolved	7429-90-5		ug/l	75.9		2420		21	
Antimony, Dissolved	7440-36-0	3	ug/l	0.45	J	1.96	J	4	U
Arsenic, Dissolved	7440-38-2	25	ug/l	0.79		1.5		0.65	
Barium, Dissolved	7440-39-3	1000	ug/l	177.8		23.29		222.6	
Beryllium, Dissolved	7440-41-7	3	ug/l	0.5	U	0.13	J	0.5	U
Cadmium, Dissolved	7440-43-9	5	ug/l	0.2	U	0.2	U	0.2	U
Calcium, Dissolved	7440-70-2		ug/l	91500		10600		19200	
Chromium, Dissolved	7440-47-3	50	ug/l	1.72		12.1		0.21	J
Cobalt, Dissolved	7440-48-4		ug/l	4.07		3.03		0.41	J
Copper, Dissolved	7440-50-8	200	ug/l	1.64		11.61		0.44	J
Iron, Dissolved	7439-89-6	300	ug/l	1970		3240		434	
Lead, Dissolved	7439-92-1	25	ug/l	0.37	J	7.27		1	U
Magnesium, Dissolved	7439-95-4	35000	ug/l	80800		2640		7370	
Manganese, Dissolved	7439-96-5	300	ug/l	1990		209.7		1059	
Mercury, Dissolved	7439-97-6	0.7	ug/l	0.2	U	0.2	U	0.2	U
Nickel, Dissolved	7440-02-0	100	ug/l	52.38		30.22		2.59	
Potassium, Dissolved	7440-09-7		ug/l	11000		4130		3370	
Selenium, Dissolved	7782-49-2	10	ug/l	5	U	5	U	5	U
Silver, Dissolved	7440-22-4	50	ug/l	0.4	U	0.4	U	0.4	U
Sodium, Dissolved	7440-23-5	20000	ug/l	146000		29400		38800	
Thallium, Dissolved	7440-28-0	0.5	ug/l	1	U	0.19	J	1	U
Vanadium, Dissolved	7440-62-2		ug/l	5	U	6.92		5	U
Zinc, Dissolved	7440-66-6	2000	ug/l	7.52	J	14.61		10	U
Total Metals									
Aluminum, Total	7429-90-5		ug/l	79100		97700		4780	
Antimony, Total	7440-36-0	3	ug/l	4	U	4	U	4	U
Arsenic, Total	7440-38-2	25	ug/l	49.32		16.02		5.53	
Barium, Total	7440-39-3	1000	ug/l	1998		832.8		383.9	
Beryllium, Total	7440-41-7	3	ug/l	8.44		5.72		0.24	J
Cadmium, Total	7440-43-9	5	ug/l	2.51		1.21		0.2	U
Calcium, Total	7440-70-2		ug/l	541000		35900		22000	
Chromium, Total	7440-47-3	50	ug/l	732.4		405.9		16.01	
Cobalt, Total	7440-48-4		ug/l	348.3		188.9		3.29	
Copper, Total	7440-50-8	200	ug/l	849.6		588		8.03	
Iron, Total	7439-89-6	300	ug/l	593000		148000		24100	
Lead, Total	7439-92-1	25	ug/l	319.8		269		4.88	
Magnesium, Total	7439-95-4	35000	ug/l	387000		40500		9690	
Manganese, Total	7439-96-5	300	ug/l	20460		8286		1276	
Mercury, Total	7439-97-6	0.7	ug/l	0.2	U	0.2	U	0.2	U
Nickel, Total	7440-02-0	100	ug/l	4168		1122		9.2	
Potassium, Total	7440-09-7		ug/l	62100		17500		5210	
Selenium, Total	7782-49-2	10	ug/l	40		27		5	U
Silver, Total	7440-22-4	50	ug/l	2.32		0.46		0.4	U
Sodium, Total	7440-23-5	20000	ug/l	153000		32600		40100	
Thallium, Total	7440-28-0	0.5	ug/l	3.67		1.98		0.17	J
Vanadium, Total	7440-62-2		ug/l	339.2		191.2		16.71	
Zinc, Total	7440-66-6	2000	ug/l	939.2		663.8		16.68	

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Exceeds NY-AWQS

Table 1
Volatile Organic Compounds in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-1 (2.5-3)	S-2 (9.5-10)	S-3 (13.5-14)	S-4 (2-2.5)	S-5 (11.5-12)	S-6 (9.5-10)
SAMPLING DATE	Residential	Restricted	Unrestricted	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019
LAB SAMPLE ID	Use	Residential	Use	L1951298-01	L1951298-02	L1951298-03	L1951298-04	L1951298-05	L1951298-06
SAMPLE TYPE	Soil Cleanup ppm	Soil Cleanup ppm	Soil Cleanup ppm	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Volatile Organics by EPA 5035									
Methylene chloride	51	100	0.05	0.0052 U	1.1 U	0.0067 U	0.0049 U	0.005 U	0.59 U
1,1-Dichloroethane	19	26	0.27	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
Chloroform	10	49	0.37	0.0016 U	0.33 U	0.002 U	0.0015 U	0.0015 U	0.18 U
Carbon tetrachloride	1.4	2.4	0.76	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
1,2-Dichloropropane				0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
Dibromochloromethane				0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
1,1,2-Trichloroethane				0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
Tetrachloroethene	5.5	19	1.3	0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
Chlorobenzene	100	100	1.1	0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
Trichlorofluoromethane				0.0042 U	0.89 U	0.0054 U	0.0039 U	0.004 U	0.47 U
1,2-Dichloroethane	2.3	3.1	0.02	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
1,1,1-Trichloroethane	100	100	0.68	0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
Bromodichloromethane				0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
trans-1,3-Dichloropropene				0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
cis-1,3-Dichloropropene				0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
1,3-Dichloropropene, Total				0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
1,1-Dichloropropene				0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
Bromoform				0.0042 U	0.89 U	0.0054 U	0.0039 U	0.004 U	0.47 U
1,1,2,2-Tetrachloroethane				0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
Benzene	2.9	4.8	0.06	0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
Toluene	100	100	0.7	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
Ethylbenzene	30	41	1	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.19 U
Chloromethane				0.0042 U	0.89 U	0.0054 U	0.0039 U	0.004 U	0.47 U
Bromomethane				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
Vinyl chloride	0.21	0.9	0.02	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
Chloroethane				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
1,1-Dichloroethene	100	100	0.33	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
trans-1,2-Dichloroethene	100	100	0.19	0.0016 U	0.33 U	0.002 U	0.00021 J	0.0015 U	0.18 U
Trichloroethene	10	21	0.47	0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
1,2-Dichlorobenzene	100	100	1.1	0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
1,3-Dichlorobenzene	17	49	2.4	0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
1,4-Dichlorobenzene	9.8	13	1.8	0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
Methyl tert butyl ether	62	100	0.93	0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
p/m-Xylene				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.071 J
o-Xylene				0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
Xylenes, Total	100	100	0.26	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.071 J
cis-1,2-Dichloroethene	59	100	0.25	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
1,2-Dichloroethene, Total				0.001 U	0.22 U	0.0013 U	0.00021 J	0.001 U	0.12 U
Dibromomethane				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
Styrene				0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
Dichlorodifluoromethane				0.01 U	2.2 U	0.013 U	0.0098 U	0.01 U	1.2 U
Acetone	100	100	0.05	0.01 U	2.2 U	0.013 U	0.0098 U	0.016 U	1.2 U
Carbon disulfide				0.01 U	2.2 U	0.013 U	0.0098 U	0.01 U	1.2 U
2-Butanone	100	100	0.12	0.01 U	2.2 U	0.013 U	0.0098 U	0.01 U	1.2 U
Vinyl acetate				0.01 U	2.2 U	0.013 U	0.0098 U	0.01 U	1.2 U
4-Methyl-2-pentanone				0.01 U	2.2 U	0.013 U	0.0098 U	0.01 U	1.2 U
1,2,3-Trichloropropane				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
2-Hexanone				0.01 U	2.2 U	0.013 U	0.0098 U	0.01 U	1.2 U
Bromochloromethane				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
2,2-Dichloropropane				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
1,2-Dibromoethane				0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.12 U
1,3-Dichloropropane				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
1,1,1,2-Tetrachloroethane				0.00052 U	0.11 U	0.00067 U	0.00049 U	0.0005 U	0.059 U
Bromobenzene				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
n-Butylbenzene	100	100	12	0.001 U	0.26 U	0.0013 U	0.00098 U	0.001 U	0.38 U
sec-Butylbenzene	100	100	11	0.001 U	1.4 U	0.0013 U	0.00098 U	0.001 U	0.53 U
tert-Butylbenzene	100	100	5.9	0.0021 U	0.14 J	0.0027 U	0.002 U	0.002 U	0.018 J
o-Chlorotoluene				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
p-Chlorotoluene				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
1,2-Dibromo-3-chloropropane				0.0031 U	0.67 U	0.004 U	0.0029 U	0.003 U	0.35 U
Hexachlorobutadiene				0.0042 U	0.89 U	0.0054 U	0.0039 U	0.004 U	0.47 U
Isopropylbenzene				0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.077 J
p-Isopropyltoluene				0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.087 J
Naphthalene	100	100	12	0.0042 U	0.89 U	0.0054 U	0.0039 U	0.004 U	4 U
Acrylonitrile				0.0042 U	0.89 U	0.0054 U	0.0039 U	0.004 U	0.47 U
n-Propylbenzene	100	100	3.9	0.001 U	0.22 U	0.0013 U	0.00098 U	0.001 U	0.22 U
1,2,3-Trichlorobenzene				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
1,2,4-Trichlorobenzene				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
1,3,5-Trimethylbenzene	47	52	8.4	0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.067 J
1,2,4-Trimethylbenzene	47	52	3.6	0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.76 U
1,4-Dioxane	9.8	13	0.1	0.084 U	18 U	0.11 U	0.078 U	0.08 U	9.4 U
p-Diethylbenzene				0.0021 U	0.96 U	0.0027 U	0.002 U	0.002 U	0.78 U
p-Ethyltoluene				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.22 J
1,2,4,5-Tetramethylbenzene				0.0021 U	2.9 U	0.0027 U	0.002 U	0.002 U	2.3 U
Ethyl ether				0.0021 U	0.44 U	0.0027 U	0.002 U	0.002 U	0.24 U
trans-1,4-Dichloro-2-butene				0.0052 U	1.1 U	0.0067 U	0.0049 U	0.005 U	0.59 U

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Exceeds Unrestricted Criteria

Table 1
Volatile Organic Compounds in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-7 (4.5-5)	S-8 (3.5-4)	S-9 (6.5-7)	S-10 (2-2.5)	S-11 (4.5-5)	S-12 (2.5-3)
SAMPLING DATE	Residential	Restricted	Unrestricted	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/31/2019
LAB SAMPLE ID	Use	Residential	Use	L1951298-07	L1951298-08	L1951298-09	L1951298-10	L1951298-11	L1951621-01
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	ppm	ppm	ppm						
Volatile Organics by EPA 5035									
Methylene chloride	51	100	0.05	0.0058 U	0.0047 U	0.0046 U	0.0047 U	0.0051 U	0.0054 U
1,1-Dichloroethane	19	26	0.27	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
Chloroform	10	49	0.37	0.0018 U	0.0014 U	0.0014 U	0.0014 U	0.0015 U	0.0016 U
Carbon tetrachloride	1.4	2.4	0.76	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
1,2-Dichloropropane				0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
Dibromochloromethane				0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
1,1,2-Trichloroethane				0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
Tetrachloroethene	5.5	19	1.3	0.0011 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
Chlorobenzene	100	100	1.1	0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
Trichlorofluoromethane				0.0047 U	0.0037 U	0.0037 U	0.0038 U	0.0041 U	0.0043 U
1,2-Dichloroethane	2.3	3.1	0.02	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
1,1,1-Trichloroethane	100	100	0.68	0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
Bromodichloromethane				0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
trans-1,3-Dichloropropene				0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
cis-1,3-Dichloropropene				0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
1,3-Dichloropropene, Total				0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
1,1-Dichloropropene				0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
Bromoform				0.0047 U	0.0037 U	0.0037 U	0.0038 U	0.0041 U	0.0043 U
1,1,2,2-Tetrachloroethane				0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
Benzene	2.9	4.8	0.06	0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
Toluene	100	100	0.7	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
Ethylbenzene	30	41	1	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
Chloromethane				0.0047 U	0.0037 U	0.0037 U	0.0038 U	0.0041 U	0.0043 U
Bromomethane				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
Vinyl chloride	0.21	0.9	0.02	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
Chloroethane				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,1-Dichloroethene	100	100	0.33	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
trans-1,2-Dichloroethene	100	100	0.19	0.0018 U	0.0014 U	0.00048 J	0.00029 J	0.0015 U	0.0016 U
Trichloroethene	10	21	0.47	0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
1,2-Dichlorobenzene	100	100	1.1	0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,3-Dichlorobenzene	17	49	2.4	0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,4-Dichlorobenzene	9.8	13	1.8	0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
Methyl tert butyl ether	62	100	0.93	0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
p/m-Xylene				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
o-Xylene				0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
Xylenes, Total	100	100	0.26	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
cis-1,2-Dichloroethene	59	100	0.25	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
1,2-Dichloroethene, Total				0.0012 U	0.00093 U	0.00048 J	0.00029 J	0.001 U	0.0011 U
Dibromomethane				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
Styrene				0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
Dichlorodifluoromethane				0.012 U	0.0093 U	0.0092 U	0.0095 U	0.01 U	0.011 U
Acetone	100	100	0.05	0.012 U	0.0093 U	0.0092 U	0.0095 U	0.01 U	0.011 U
Carbon disulfide				0.012 U	0.0093 U	0.0092 U	0.0095 U	0.01 U	0.011 U
2-Butanone	100	100	0.12	0.012 U	0.0093 U	0.0092 U	0.0095 U	0.01 U	0.011 U
Vinyl acetate				0.012 U	0.0093 U	0.0092 U	0.0095 U	0.01 U	0.011 U
4-Methyl-2-pentanone				0.012 U	0.0093 U	0.0092 U	0.0095 U	0.01 U	0.011 U
1,2,3-Trichloropropane				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
2-Hexanone				0.012 U	0.0093 U	0.0092 U	0.0095 U	0.01 U	0.011 U
Bromochloromethane				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
2,2-Dichloropropane				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,2-Dibromoethane				0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
1,3-Dichloropropane				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,1,1,2-Tetrachloroethane				0.00058 U	0.00047 U	0.00046 U	0.00047 U	0.00051 U	0.00054 U
Bromobenzene				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
n-Butylbenzene	100	100	12	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
sec-Butylbenzene	100	100	11	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
tert-Butylbenzene	100	100	5.9	0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
o-Chlorotoluene				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
p-Chlorotoluene				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,2-Dibromo-3-chloropropane				0.0035 U	0.0028 U	0.0027 U	0.0028 U	0.0031 U	0.0032 U
Hexachlorobutadiene				0.0047 U	0.0037 U	0.0037 U	0.0038 U	0.0041 U	0.0043 U
Isopropylbenzene				0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
p-Isopropyltoluene				0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
Naphthalene	100	100	12	0.0047 U	0.0037 U	0.0037 U	0.0038 U	0.0041 U	0.0043 U
Acrylonitrile				0.0047 U	0.0037 U	0.0037 U	0.0038 U	0.0041 U	0.0043 U
n-Propylbenzene	100	100	3.9	0.0012 U	0.00093 U	0.00092 U	0.00095 U	0.001 U	0.0011 U
1,2,3-Trichlorobenzene				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,2,4-Trichlorobenzene				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,3,5-Trimethylbenzene	47	52	8.4	0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,2,4-Trimethylbenzene	47	52	3.6	0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,4-Dioxane	9.8	13	0.1	0.094 U	0.075 U	0.073 U	0.076 U	0.082 U	0.086 U
p-Diethylbenzene				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
p-Ethyltoluene				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
1,2,4,5-Tetramethylbenzene				0.0023 U	0.0019 U	0.00026 J	0.0019 U	0.002 U	0.0022 U
Ethyl ether				0.0023 U	0.0019 U	0.0018 U	0.0019 U	0.002 U	0.0022 U
trans-1,4-Dichloro-2-butene				0.0058 U	0.0047 U	0.0046 U	0.0047 U	0.0051 U	0.0054 U

J : Result is less than the RL but greater than or equal to the MDL and the concent

U : Indicates the analyte was analyzed for but not detected.

Exceeds Unrestricted Criteria

Table 1
Volatile Organic Compounds in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-13 (5.5-6)	S-13 (5.5-6)	S-14 (8.5-9)	S-15 (11.5-12)	S-16 (8.5-9)	S-17 (3-3.5)
SAMPLING DATE	Residential	Restricted	Unrestricted	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019
LAB SAMPLE ID	Use	Residential	Use	L1951621-02	L1951621-02 R1	L1951621-03	L1951621-04	L1951621-05	L1951621-06
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	ppm	ppm	ppm						
Volatile Organics by EPA 5035									
Methylene chloride	51	100	0.05	0.0057 U	0.0051 U	0.0047 U	0.0062 U	0.0052 U	0.0047 U
1,1-Dichloroethane	19	26	0.27	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Chloroform	10	49	0.37	0.0017 U	0.00016 J	0.0014 U	0.0019 U	0.0016 U	0.0014 U
Carbon tetrachloride	1.4	2.4	0.76	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
1,2-Dichloropropane				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Dibromochloromethane				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
1,1,2-Trichloroethane				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Tetrachloroethene	5.5	19	1.3	0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
Chlorobenzene	100	100	1.1	0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
Trichlorofluoromethane				0.0046 U	0.0041 U	0.0038 U	0.005 U	0.0042 U	0.0038 U
1,2-Dichloroethane	2.3	3.1	0.02	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
1,1,1-Trichloroethane	100	100	0.68	0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
Bromodichloromethane				0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
trans-1,3-Dichloropropene				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
cis-1,3-Dichloropropene				0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
1,3-Dichloropropene, Total				0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
1,1-Dichloropropene				0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
Bromoform				0.0046 U	0.0041 U	0.0038 U	0.005 U	0.0042 U	0.0038 U
1,1,2,2-Tetrachloroethane				0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
Benzene	2.9	4.8	0.06	0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
Toluene	100	100	0.7	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Ethylbenzene	30	41	1	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Chloromethane				0.0046 U	0.0041 U	0.0038 U	0.005 U	0.0042 U	0.0038 U
Bromomethane				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
Vinyl chloride	0.21	0.9	0.02	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Chloroethane				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,1-Dichloroethene	100	100	0.33	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
trans-1,2-Dichloroethene	100	100	0.19	0.0017 U	0.0015 U	0.0014 U	0.0019 U	0.0016 U	0.0014 U
Trichloroethene	10	21	0.47	0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
1,2-Dichlorobenzene	100	100	1.1	0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,3-Dichlorobenzene	17	49	2.4	0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,4-Dichlorobenzene	9.8	13	1.8	0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
Methyl tert butyl ether	62	100	0.93	0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
p/m-Xylene				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
o-Xylene				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Xylenes, Total	100	100	0.26	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
cis-1,2-Dichloroethene	59	100	0.25	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
1,2-Dichloroethene, Total				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Dibromomethane				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
Styrene				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Dichlorodifluoromethane				0.011 U	0.01 U	0.0094 U	0.012 U	0.01 U	0.0094 U
Acetone	100	100	0.05	0.06	0.026	0.0094 U	0.012 U	0.01 U	0.0094 U
Carbon disulfide				0.011 U	0.01 U	0.0094 U	0.012 U	0.01 U	0.0094 U
2-Butanone	100	100	0.12	0.011	0.0042 J	0.0094 U	0.012 U	0.01 U	0.0094 U
Vinyl acetate				0.011 U	0.01 U	0.0094 U	0.012 U	0.01 U	0.0094 U
4-Methyl-2-pentanone				0.011 U	0.01 U	0.0094 U	0.012 U	0.01 U	0.0094 U
1,2,3-Trichloropropane				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
2-Hexanone				0.011 U	0.01 U	0.0094 U	0.012 U	0.01 U	0.0094 U
Bromochloromethane				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
2,2-Dichloropropane				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,2-Dibromoethane				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
1,3-Dichloropropane				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,1,1,2-Tetrachloroethane				0.00057 U	0.00051 U	0.00047 U	0.00062 U	0.00052 U	0.00047 U
Bromobenzene				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
n-Butylbenzene	100	100	12	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
sec-Butylbenzene	100	100	11	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
tert-Butylbenzene	100	100	5.9	0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
o-Chlorotoluene				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
p-Chlorotoluene				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,2-Dibromo-3-chloropropane				0.0034 U	0.0031 U	0.0028 U	0.0037 U	0.0031 U	0.0028 U
Hexachlorobutadiene				0.0046 U	0.0041 U	0.0038 U	0.005 U	0.0042 U	0.0038 U
Isopropylbenzene				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
p-Isopropyltoluene				0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
Naphthalene	100	100	12	0.0046 U	0.024	0.0038 U	0.005 U	0.0042 U	0.0038 U
Acrylonitrile				0.0046 U	0.0041 U	0.0038 U	0.005 U	0.0042 U	0.0038 U
n-Propylbenzene	100	100	3.9	0.0011 U	0.001 U	0.00094 U	0.0012 U	0.001 U	0.00094 U
1,2,3-Trichlorobenzene				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,2,4-Trichlorobenzene				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,3,5-Trimethylbenzene	47	52	8.4	0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,2,4-Trimethylbenzene	47	52	3.6	0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,4-Dioxane	9.8	13	0.1	0.092 U	0.082 U	0.075 U	0.099 U	0.084 U	0.076 U
p-Diethylbenzene				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
p-Ethyltoluene				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
1,2,4,5-Tetramethylbenzene				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
Ethyl ether				0.0023 U	0.002 U	0.0019 U	0.0025 U	0.0021 U	0.0019 U
trans-1,4-Dichloro-2-butene				0.0057 U	0.0051 U	0.0047 U	0.0062 U	0.0052 U	0.0047 U

J : Result is less than the RL but greater than or equal to the MDL and the concent

U : Indicates the analyte was analyzed for but not detected.

Exceeds Unrestricted Criteria

Table 1
Volatile Organic Compounds in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-18 (3.5-4)	S-18 (3.5-4)	S-19 (10.5-11)	S-19 (13.5-14)	S-20 (3.5-4)
SAMPLING DATE	Residential	Restricted	Unrestricted	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019
LAB SAMPLE ID	Use	Residential	Use	L1951621-07	L1951621-07 R1	L1951621-08	L1951621-09	L1951621-10
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup	SOIL	SOIL	SOIL	SOIL	SOIL
	ppm	ppm	ppm					
Volatile Organics by EPA 5035								
Methylene chloride	51	100	0.05	0.0049 U	0.0066 U	0.35 U	0.0058 U	0.0051 U
1,1-Dichloroethane	19	26	0.27	0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
Chloroform	10	49	0.37	0.0015 U	0.002 U	0.1 U	0.0017 U	0.0015 U
Carbon tetrachloride	1.4	2.4	0.76	0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
1,2-Dichloropropane				0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
Dibromochloromethane				0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
1,1,2-Trichloroethane				0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
Tetrachloroethene	5.5	19	1.3	0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
Chlorobenzene	100	100	1.1	0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
Trichlorofluoromethane				0.0039 U	0.0053 U	0.28 U	0.0046 U	0.0041 U
1,2-Dichloroethane	2.3	3.1	0.02	0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
1,1,1-Trichloroethane	100	100	0.68	0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
Bromodichloromethane				0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
trans-1,3-Dichloropropene				0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
cis-1,3-Dichloropropene				0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
1,3-Dichloropropene, Total				0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
1,1-Dichloropropene				0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
Bromoform				0.0039 U	0.0053 U	0.28 U	0.0046 U	0.0041 U
1,1,2,2-Tetrachloroethane				0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
Benzene	2.9	4.8	0.06	0.00049 U	0.00066 U	0.028 J	0.00058 U	0.00051 U
Toluene	100	100	0.7	0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
Ethylbenzene	30	41	1	0.00098 U	0.0013 U	2.2	0.00024 J	0.001 U
Chloromethane				0.0039 U	0.0053 U	0.28 U	0.0046 U	0.0041 U
Bromomethane				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
Vinyl chloride	0.21	0.9	0.02	0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
Chloroethane				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,1-Dichloroethene	100	100	0.33	0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
trans-1,2-Dichloroethene	100	100	0.19	0.0015 U	0.002 U	0.1 U	0.0017 U	0.0015 U
Trichloroethene	10	21	0.47	0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
1,2-Dichlorobenzene	100	100	1.1	0.002 U	0.0026 U	0.038 J	0.0023 U	0.002 U
1,3-Dichlorobenzene	17	49	2.4	0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,4-Dichlorobenzene	9.8	13	1.8	0.002 U	0.00026 J	0.012 J	0.0023 U	0.002 U
Methyl tert butyl ether	62	100	0.93	0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
p/m-Xylene				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
o-Xylene				0.00098 U	0.0013 U	0.02 J	0.0012 U	0.001 U
Xylenes, Total	100	100	0.26	0.00098 U	0.0013 U	0.02 J	0.0012 U	0.001 U
cis-1,2-Dichloroethene	59	100	0.25	0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
1,2-Dichloroethene, Total				0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
Dibromomethane				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
Styrene				0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
Dichlorodifluoromethane				0.0098 U	0.013 U	0.7 U	0.012 U	0.01 U
Acetone	100	100	0.05	0.0098 U	0.013 U	0.7 U	0.012 U	0.01 U
Carbon disulfide				0.0098 U	0.013 U	0.7 U	0.012 U	0.01 U
2-Butanone	100	100	0.12	0.0098 U	0.013 U	0.7 U	0.012 U	0.01 U
Vinyl acetate				0.0098 U	0.013 U	0.7 U	0.012 U	0.01 U
4-Methyl-2-pentanone				0.0098 U	0.013 U	0.7 U	0.012 U	0.01 U
1,2,3-Trichloropropane				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
2-Hexanone				0.0098 U	0.013 U	0.7 U	0.012 U	0.01 U
Bromochloromethane				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
2,2-Dichloropropane				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,2-Dibromoethane				0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
1,3-Dichloropropane				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,1,1,2-Tetrachloroethane				0.00049 U	0.00066 U	0.035 U	0.00058 U	0.00051 U
Bromobenzene				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
n-Butylbenzene	100	100	12	0.00098 U	0.0013 U	1.8	0.00026 J	0.001 U
sec-Butylbenzene	100	100	11	0.00098 U	0.0013 U	1.1	0.00041 J	0.001 U
tert-Butylbenzene	100	100	5.9	0.002 U	0.0026 U	0.055 J	0.0023 U	0.002 U
o-Chlorotoluene				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
p-Chlorotoluene				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,2-Dibromo-3-chloropropane				0.003 U	0.004 U	0.21 U	0.0035 U	0.0031 U
Hexachlorobutadiene				0.0039 U	0.0053 U	0.28 U	0.0046 U	0.0041 U
Isopropylbenzene				0.00098 U	0.0013 U	0.95	0.00018 J	0.001 U
p-Isopropyltoluene				0.00098 U	0.0013 U	0.07 U	0.0012 U	0.001 U
Naphthalene	100	100	12	0.0039 U	0.0012 J	7.3	0.00086 J	0.0041 U
Acrylonitrile				0.0039 U	0.0053 U	0.28 U	0.0046 U	0.0041 U
n-Propylbenzene	100	100	3.9	0.00098 U	0.0013 U	2.4	0.00035 J	0.001 U
1,2,3-Trichlorobenzene				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,2,4-Trichlorobenzene				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,3,5-Trimethylbenzene	47	52	8.4	0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,2,4-Trimethylbenzene	47	52	3.6	0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,4-Dioxane	9.8	13	0.1	0.079 U	0.1 U	5.6 U	0.093 U	0.082 U
p-Diethylbenzene				0.002 U	0.0026 U	1.1	0.0023 U	0.002 U
p-Ethyltoluene				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
1,2,4,5-Tetramethylbenzene				0.002 U	0.0026 U	3.5	0.00044 J	0.002 U
Ethyl ether				0.002 U	0.0026 U	0.14 U	0.0023 U	0.002 U
trans-1,4-Dichloro-2-butene				0.0049 U	0.0066 U	0.35 U	0.0058 U	0.0051 U

J : Result is less than the RL but greater than or equal to the MDL and the concent

U : Indicates the analyte was analyzed for but not detected.

Exceeds Unrestricted Criteria

Table 9
Pesticides and PCBs in Groundwater
406 Boston Post Road
Port Chester, NY

LOCATION				TW-1		TW-2		GW-3	
SAMPLING DATE				10/30/2019		10/31/2019		10/31/2019	
LAB SAMPLE ID				L1951298-12		L1951621-11		L1951621-12	
SAMPLE TYPE				WATER		WATER		WATER	
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
General Chemistry									
Cyanide, Total	57-12-5	200	ug/l	5	U	5	U	5	U
Organochlorine Pesticides by GC									
Delta-BHC	319-86-8	0.04	ug/l	0.014	U	0.014	U	0.014	U
Lindane	58-89-9	0.05	ug/l	0.014	U	0.014	U	0.014	U
Alpha-BHC	319-84-6	0.01	ug/l	0.014	U	0.014	U	0.014	U
Beta-BHC	319-85-7	0.04	ug/l	0.014	U	0.014	U	0.014	U
Heptachlor	76-44-8	0.04	ug/l	0.014	U	0.014	U	0.014	U
Aldrin	309-00-2	0	ug/l	0.014	U	0.014	U	0.014	U
Heptachlor epoxide	1024-57-3	0.03	ug/l	0.014	U	0.014	U	0.014	U
Endrin	72-20-8	0	ug/l	0.029	U	0.029	U	0.029	U
Endrin aldehyde	7421-93-4	5	ug/l	0.029	U	0.029	U	0.029	U
Endrin ketone	53494-70-5	5	ug/l	0.029	U	0.029	U	0.029	U
Dieldrin	60-57-1	0.004	ug/l	0.029	U	0.029	U	0.029	U
4,4'-DDE	72-55-9	0.2	ug/l	0.029	U	0.029	U	0.029	U
4,4'-DDD	72-54-8	0.3	ug/l	0.029	U	0.029	U	0.029	U
4,4'-DDT	50-29-3	0.2	ug/l	0.029	U	0.029	U	0.029	U
Endosulfan I	959-98-8		ug/l	0.014	U	0.014	U	0.014	U
Endosulfan II	33213-65-9		ug/l	0.029	U	0.029	U	0.029	U
Endosulfan sulfate	1031-07-8		ug/l	0.029	U	0.029	U	0.029	U
Methoxychlor	72-43-5	35	ug/l	0.143	U	0.143	U	0.143	U
Toxaphene	8001-35-2	0.06	ug/l	0.143	U	0.143	U	0.143	U
cis-Chlordane	5103-71-9		ug/l	0.014	U	0.014	U	0.014	U
trans-Chlordane	5103-74-2		ug/l	0.014	U	0.014	U	0.014	U
Chlordane	57-74-9	0.05	ug/l	0.143	U	0.143	U	0.143	U
Polychlorinated Biphenyls by GC									
Aroclor 1016	12674-11-2	0.09	ug/l	0.083	U	0.083	U	0.083	U
Aroclor 1221	11104-28-2	0.09	ug/l	0.083	U	0.083	U	0.083	U
Aroclor 1232	11141-16-5	0.09	ug/l	0.083	U	0.083	U	0.083	U
Aroclor 1242	53469-21-9	0.09	ug/l	0.083	U	0.083	U	0.083	U
Aroclor 1248	12672-29-6	0.09	ug/l	0.083	U	0.083	U	0.083	U
Aroclor 1254	11097-69-7	0.09	ug/l	0.083	U	0.083	U	0.083	U
Aroclor 1260	11096-82-5	0.09	ug/l	0.083	U	0.083	U	0.083	U
Aroclor 1262	37324-23-5	0.09	ug/l	0.083	U	0.083	U	0.083	U
Aroclor 1268	11100-14-4	0.09	ug/l	0.083	U	0.083	U	0.083	U
PCBs, Total	1336-36-3		ug/l	0.083	U	0.083	U	0.083	U

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Table 2
Semivolatile Organic Compounds in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-1 (2.5-3)	S-2 (9.5-10)	S-3 (13.5-14)	S-4 (2-2.5)	S-5 (11.5-12)	S-6 (9.5-10)
SAMPLING DATE	Commercial	Restricted	Unrestricted	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019
LAB SAMPLE ID	Use	Residential	Use	L1951298-01	L1951298-02	L1951298-03	L1951298-04	L1951298-05	L1951298-06
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	ppm	ppm	ppm	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS									
Acenaphthene	500	100	20	0.16	U	0.24	U	0.18	U
1,2,4-Trichlorobenzene				0.2	U	0.19	U	0.23	U
Hexachlorobenzene	6	1.2	0.33	0.12	U	0.11	U	0.14	U
Bis(2-chloroethyl)ether				0.18	U	0.17	U	0.21	U
2-Chloronaphthalene				0.2	U	0.19	U	0.23	U
1,2-Dichlorobenzene	500	100	1.1	0.2	U	0.19	U	0.23	U
1,3-Dichlorobenzene	280	49	2.4	0.2	U	0.19	U	0.23	U
1,4-Dichlorobenzene	130	13	1.8	0.2	U	0.19	U	0.23	U
3,3'-Dichlorobenzidine				0.2	U	0.19	U	0.23	U
2,4-Dinitrotoluene				0.2	U	0.19	U	0.23	U
2,6-Dinitrotoluene				0.2	U	0.19	U	0.23	U
Fluoranthene	500	100	100	0.095	J	0.11	U	0.14	U
4-Chlorophenyl phenyl ether				0.2	U	0.19	U	0.23	U
4-Bromophenyl phenyl ether				0.2	U	0.19	U	0.23	U
Bis(2-chloroisopropyl)ether				0.24	U	0.22	U	0.28	U
Bis(2-chloroethoxy)methane				0.21	U	0.2	U	0.25	U
Hexachlorobutadiene				0.2	U	0.19	U	0.23	U
Hexachlorocyclopentadiene				0.56	U	0.54	U	0.66	U
Hexachloroethane				0.16	U	0.15	U	0.18	U
Isophorone				0.18	U	0.17	U	0.21	U
Naphthalene	500	100	12	0.082	J	0.11	J	0.23	U
Nitrobenzene				0.18	U	0.17	U	0.21	U
NDPA/DPA				0.16	U	0.15	U	0.18	U
n-Nitrosodi-n-propylamine				0.2	U	0.19	U	0.23	U
Bis(2-ethylhexyl)phthalate				0.089	J	0.084	J	0.23	U
Butyl benzyl phthalate				0.2	U	0.19	U	0.23	U
Di-n-butylphthalate				0.2	U	0.19	U	0.23	U
Di-n-octylphthalate				0.2	U	0.19	U	0.23	U
Diethyl phthalate				0.2	U	0.19	U	0.23	U
Dimethyl phthalate				0.2	U	0.19	U	0.23	U
Benzo(a)anthracene	5.6	1	1	0.042	J	0.11	U	0.14	U
Benzo(a)pyrene	1	1	1	0.16	U	0.15	U	0.18	U
Benzo(b)fluoranthene	5.6	1	1	0.055	J	0.11	U	0.14	U
Benzo(k)fluoranthene	56	3.9	0.8	0.12	U	0.11	U	0.14	U
Chrysene	56	3.9	1	0.04	J	0.11	U	0.14	U
Acenaphthylene	500	100	100	0.16	U	0.15	U	0.18	U
Anthracene	500	100	100	0.12	U	0.15	U	0.14	U
Benzo(ghi)perylene	500	100	100	0.025	J	0.15	U	0.18	U
Fluorene	500	100	30	0.037	J	0.56		0.23	U
Phenanthrene	500	100	100	0.16		0.33		0.14	U
Dibenzo(a,h)anthracene	0.56	0.33	0.33	0.12	U	0.11	U	0.14	U
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	0.16	U	0.15	U	0.18	U
Pyrene	500	100	100	0.071	J	0.051	J	0.14	U
Biphenyl				0.45	U	0.43	U	0.53	U
4-Chloroaniline				0.2	U	0.19	U	0.23	U
2-Nitroaniline				0.2	U	0.19	U	0.23	U
3-Nitroaniline				0.2	U	0.19	U	0.23	U
4-Nitroaniline				0.2	U	0.19	U	0.23	U
Dibenzofuran	350	59	7	0.045	J	0.27		0.23	U
2-Methylnaphthalene				0.24	U	0.035	J	0.28	U
1,2,4,5-Tetrachlorobenzene				0.2	U	0.19	U	0.23	U
Acetophenone				0.2	U	0.19	U	0.23	U
2,4,6-Trichlorophenol				0.12	U	0.11	U	0.14	U
p-Chloro-m-cresol				0.2	U	0.19	U	0.23	U
2-Chlorophenol				0.2	U	0.19	U	0.23	U
2,4-Dichlorophenol				0.18	U	0.17	U	0.21	U
2,4-Dimethylphenol				0.2	U	0.19	U	0.23	U
2-Nitrophenol				0.42	U	0.4	U	0.5	U
4-Nitrophenol				0.28	U	0.26	U	0.32	U
2,4-Dinitrophenol				0.94	U	0.9	U	1.1	U
4,6-Dinitro-o-cresol				0.51	U	0.49	U	0.6	U
Pentachlorophenol	6.7	6.7	0.8	0.16	U	0.15	U	0.18	U
Phenol	500	100	0.33	0.2	U	0.19	U	0.23	U
2-Methylphenol	500	100	0.33	0.2	U	0.19	U	0.23	U
3-Methylphenol/4-Methylphenol	500	100	0.33	0.28	U	0.27	U	0.33	U
2,4,5-Trichlorophenol				0.2	U	0.19	U	0.23	U
Benzoic Acid				0.64	U	0.61	U	0.75	U
Benzyl Alcohol				0.2	U	0.19	U	0.23	U
Carbazole				0.025	J	0.19	U	0.23	U
1,4-Dioxane	130	13	0.1	0.03	U	0.028	U	0.035	U

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard

Exceeds Unrestricted Standard

Table 2
Semivolatile Organic Compounds in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-7 (4.5-5)	S-8 (3.5-4)	S-9 (6.5-7)	S-10 (2.2-5)	S-11 (4.5-5)	S-12 (2.5-3)
SAMPLING DATE	Commercial	Restricted	Unrestricted	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/31/2019
LAB SAMPLE ID	Use	Residential	Use	L1951298-07	L1951298-08	L1951298-09	L1951298-10	L1951298-11	L1951621-01
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	ppm	ppm	ppm	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS									
Acenaphthene	500	100	20	0.17	U	0.15	U	0.15	U
1,2,4-Trichlorobenzene				0.22	U	0.19	U	0.19	U
Hexachlorobenzene	6	1.2	0.33	0.13	U	0.12	U	0.11	U
Bis(2-chloroethyl)ether				0.19	U	0.17	U	0.16	U
2-Chloronaphthalene				0.22	U	0.19	U	0.19	U
1,2-Dichlorobenzene	500	100	1.1	0.22	U	0.19	U	0.18	U
1,3-Dichlorobenzene	280	49	2.4	0.22	U	0.19	U	0.19	U
1,4-Dichlorobenzene	130	13	1.8	0.22	U	0.19	U	0.18	U
3,3'-Dichlorobenzidine				0.22	U	0.19	U	0.18	U
2,4-Dinitrotoluene				0.22	U	0.19	U	0.19	U
2,6-Dinitrotoluene				0.22	U	0.19	U	0.18	U
Fluoranthene	500	100	100	0.87		0.35		0.11	
4-Chlorophenyl phenyl ether				0.22	U	0.19	U	0.18	U
4-Bromophenyl phenyl ether				0.22	U	0.19	U	0.18	U
Bis(2-chloroisopropyl)ether				0.26	U	0.23	U	0.23	U
Bis(2-chloroethoxy)methane				0.23	U	0.21	U	0.2	U
Hexachlorobutadiene				0.22	U	0.19	U	0.18	U
Hexachlorocyclopentadiene				0.62	U	0.55	U	0.54	U
Hexachloroethane				0.17	U	0.15	U	0.15	U
Isophorone				0.19	U	0.17	U	0.16	U
Naphthalene	500	100	12	0.03	J	0.19	U	0.19	U
Nitrobenzene				0.19	U	0.17	U	0.16	U
NDPA/DPA				0.17	U	0.15	U	0.15	U
n-Nitrosodi-n-propylamine				0.22	U	0.19	U	0.19	U
Bis(2-ethylhexyl)phthalate				0.22	U	0.19	U	0.18	U
Butyl benzyl phthalate				0.22	U	0.19	U	0.18	U
Di-n-butylphthalate				0.22	U	0.19	U	0.19	U
Di-n-octylphthalate				0.22	U	0.19	U	0.18	U
Diethyl phthalate				0.22	U	0.19	U	0.18	U
Dimethyl phthalate				0.22	U	0.19	U	0.18	U
Benzo(a)anthracene	5.6	1	1	0.39		0.11	J	0.11	U
Benzo(a)pyrene	1	1	1	0.44		0.15		0.15	U
Benzo(b)fluoranthene	5.6	1	1	0.63		0.24		0.11	U
Benzo(k)fluoranthene	56	3.9	0.8	0.2		0.067	J	0.11	U
Chrysene	56	3.9	1	0.43		0.17		0.11	U
Acenaphthylene	500	100	100	0.081	J	0.053	J	0.15	U
Anthracene	500	100	100	0.13	U	0.12	U	0.11	U
Benzo(ghi)perylene	500	100	100	0.28		0.11	J	0.15	U
Fluorene	500	100	30	0.22	U	0.19	U	0.18	U
Phenanthrene	500	100	100	0.43		0.25		0.11	U
Dibenzo(a,h)anthracene	0.56	0.33	0.33	0.062	J	0.026	J	0.11	U
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	0.3		0.12	J	0.15	U
Pyrene	500	100	100	0.72		0.26		0.11	U
Biphenyl				0.49	U	0.44	U	0.43	U
4-Chloroaniline				0.22	U	0.19	U	0.19	U
2-Nitroaniline				0.22	U	0.19	U	0.18	U
3-Nitroaniline				0.22	U	0.19	U	0.19	U
4-Nitroaniline				0.22	U	0.19	U	0.19	U
Dibenzofuran	350	59	7	0.22	U	0.19	U	0.18	U
2-Methylnaphthalene				0.26	U	0.23	U	0.23	U
1,2,4,5-Tetrachlorobenzene				0.22	U	0.19	U	0.19	U
Acetophenone				0.22	U	0.19	U	0.19	U
2,4,6-Trichlorophenol				0.13	U	0.12	U	0.11	U
p-Chloro-m-cresol				0.22	U	0.19	U	0.19	U
2-Chlorophenol				0.22	U	0.19	U	0.18	U
2,4-Dichlorophenol				0.19	U	0.17	U	0.16	U
2,4-Dimethylphenol				0.22	U	0.19	U	0.19	U
2-Nitrophenol				0.47	U	0.42	U	0.41	U
4-Nitrophenol				0.3	U	0.27	U	0.26	U
2,4-Dinitrophenol				1	U	0.92	U	0.9	U
4,6-Dinitro-o-cresol				0.56	U	0.5	U	0.49	U
Pentachlorophenol	6.7	6.7	0.8	0.17	U	0.15	U	0.15	U
Phenol	500	100	0.33	0.22	U	0.19	U	0.19	U
2-Methylphenol	500	100	0.33	0.22	U	0.19	U	0.19	U
3-Methylphenol/4-Methylphenol	500	100	0.33	0.31	U	0.28	U	0.27	U
2,4,5-Trichlorophenol				0.22	U	0.19	U	0.18	U
Benzoic Acid				0.7	U	0.62	U	0.61	U
Benzyl Alcohol				0.22	U	0.19	U	0.18	U
Carbazole				0.039	J	0.028	J	0.19	U
1,4-Dioxane	130	13	0.1	0.032	U	0.029	U	0.028	U

J : Result is less than the RL but greater than or equal to the MDL and the concentr-
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard

Exceeds Unrestricted Standard

Table 2
Semivolatile Organic Compounds in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-13 (5.5-6)	S-14 (8.5-9)	S-15 (11.5-12)	S-16 (8.5-9)	S-17 (3-3.5)	S-18 (3.5-4)
SAMPLING DATE	Commercial	Restricted	Unrestricted	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019
LAB SAMPLE ID	Use	Residential	Use	L1951621-02	L1951621-03	L1951621-04	L1951621-05	L1951621-06	L1951621-07
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	ppm	ppm	ppm	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS									
Acenaphthene	500	100	20	0.2		0.15	U	0.18	U
1,2,4-Trichlorobenzene				0.2	U	0.19	U	0.22	U
Hexachlorobenzene	6	1.2	0.33	0.12	U	0.11	U	0.14	U
Bis(2-chloroethyl)ether				0.18	U	0.17	U	0.2	U
2-Chloronaphthalene				0.2	U	0.19	U	0.22	U
1,2-Dichlorobenzene	500	100	1.1	0.2	U	0.19	U	0.22	U
1,3-Dichlorobenzene	280	49	2.4	0.2	U	0.19	U	0.22	U
1,4-Dichlorobenzene	130	13	1.8	0.2	U	0.19	U	0.22	U
3,3'-Dichlorobenzidine				0.2	U	0.19	U	0.22	U
2,4-Dinitrotoluene				0.2	U	0.19	U	0.22	U
2,6-Dinitrotoluene				0.2	U	0.19	U	0.22	U
Fluoranthene	500	100	100	1.1		0.11	U	0.14	U
4-Chlorophenyl phenyl ether				0.2	U	0.19	U	0.22	U
4-Bromophenyl phenyl ether				0.2	U	0.19	U	0.22	U
Bis(2-chloroisopropyl)ether				0.24	U	0.23	U	0.27	U
Bis(2-chloroethoxy)methane				0.22	U	0.2	U	0.24	U
Hexachlorobutadiene				0.2	U	0.19	U	0.22	U
Hexachlorocyclopentadiene				0.58	U	0.54	U	0.64	U
Hexachloroethane				0.16	U	0.15	U	0.18	U
Isophorone				0.18	U	0.17	U	0.2	U
Naphthalene	500	100	12	0.28		0.19	U	0.22	U
Nitrobenzene				0.18	U	0.17	U	0.2	U
NDPA/DPA				0.16	U	0.15	U	0.18	U
n-Nitrosodi-n-propylamine				0.2	U	0.19	U	0.22	U
Bis(2-ethylhexyl)phthalate				0.2	U	0.19	U	0.22	U
Butyl benzyl phthalate				0.2	U	0.19	U	0.22	U
Di-n-butylphthalate				0.2	U	0.19	U	0.22	U
Di-n-octylphthalate				0.2	U	0.19	U	0.22	U
Diethyl phthalate				0.2	U	0.19	U	0.22	U
Dimethyl phthalate				0.2	U	0.19	U	0.22	U
Benzo(a)anthracene	5.6	1	1	0.54		0.11	U	0.14	U
Benzo(a)pyrene	1	1	1	0.48		0.15	U	0.18	U
Benzo(b)fluoranthene	5.6	1	1	0.57		0.11	U	0.14	U
Benzo(k)fluoranthene	56	3.9	0.8	0.2		0.11	U	0.14	U
Chrysene	56	3.9	1	0.44		0.11	U	0.14	U
Acenaphthylene	500	100	100	0.16	U	0.15	U	0.18	U
Anthracene	500	100	100	0.35		0.11	U	0.14	U
Benzo(ghi)perylene	500	100	100	0.24		0.15	U	0.18	U
Fluorene	500	100	30	0.25		0.19	U	0.22	U
Phenanthrene	500	100	100	1.1		0.11	U	0.14	U
Dibenzo(a,h)anthracene	0.56	0.33	0.33	0.063	J	0.11	U	0.14	U
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	0.27		0.15	U	0.18	U
Pyrene	500	100	100	0.87		0.11	U	0.14	U
Biphenyl				0.46	U	0.43	U	0.51	U
4-Chloroaniline				0.2	U	0.19	U	0.22	U
2-Nitroaniline				0.2	U	0.19	U	0.22	U
3-Nitroaniline				0.2	U	0.19	U	0.22	U
4-Nitroaniline				0.2	U	0.19	U	0.22	U
Dibenzofuran	350	59	7	0.16	J	0.19	U	0.22	U
2-Methylnaphthalene				0.1	J	0.23	U	0.27	U
1,2,4,5-Tetrachlorobenzene				0.2	U	0.19	U	0.22	U
Acetophenone				0.2	U	0.19	U	0.22	U
2,4,6-Trichlorophenol				0.12	U	0.11	U	0.14	U
p-Chloro-m-cresol				0.2	U	0.19	U	0.22	U
2-Chlorophenol				0.2	U	0.19	U	0.22	U
2,4-Dichlorophenol				0.18	U	0.17	U	0.2	U
2,4-Dimethylphenol				0.2	U	0.19	U	0.22	U
2-Nitrophenol				0.44	U	0.41	U	0.49	U
4-Nitrophenol				0.28	U	0.27	U	0.32	U
2,4-Dinitrophenol				0.98	U	0.91	U	1.1	U
4,6-Dinitro-o-cresol				0.53	U	0.49	U	0.59	U
Pentachlorophenol	6.7	6.7	0.8	0.16	U	0.15	U	0.18	U
Phenol	500	100	0.33	0.2	U	0.19	U	0.22	U
2-Methylphenol	500	100	0.33	0.2	U	0.19	U	0.22	U
3-Methylphenol/4-Methylphenol	500	100	0.33	0.29	U	0.27	U	0.32	U
2,4,5-Trichlorophenol				0.2	U	0.19	U	0.22	U
Benzoic Acid				0.66	U	0.62	U	0.73	U
Benzyl Alcohol				0.2	U	0.19	U	0.22	U
Carbazole				0.13	J	0.19	U	0.22	U
1,4-Dioxane	130	13	0.1	0.03	U	0.028	U	0.034	U

J : Result is less than the RL but greater than or equal to the MDL and the concentr:

U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard

Exceeds Unrestricted Standard

Table 2
Semivolatile Organic Compounds in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-19 (10.5-11)		S-19 (13.5-14)		S-20 (3.5-4)	
SAMPLING DATE	Commercial	Restricted	Unrestricted	10/31/2019		10/31/2019		10/31/2019	
LAB SAMPLE ID	Use	Residential	Use	L1951621-08		L1951621-09		L1951621-10	
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup	SOIL		SOIL		SOIL	
	ppm	ppm	ppm	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS									
Acenaphthene	500	100	20	0.58	J	0.16	U	0.16	U
1,2,4-Trichlorobenzene				1.1	U	0.2	U	0.2	U
Hexachlorobenzene	6	1.2	0.33	0.67	U	0.12	U	0.12	U
Bis(2-chloroethyl)ether				1	U	0.18	U	0.18	U
2-Chloronaphthalene				1.1	U	0.2	U	0.2	U
1,2-Dichlorobenzene	500	100	1.1	1.1	U	0.2	U	0.2	U
1,3-Dichlorobenzene	280	49	2.4	1.1	U	0.2	U	0.2	U
1,4-Dichlorobenzene	130	13	1.8	1.1	U	0.2	U	0.2	U
3,3'-Dichlorobenzidine				1.1	U	0.2	U	0.2	U
2,4-Dinitrotoluene				1.1	U	0.2	U	0.2	U
2,6-Dinitrotoluene				1.1	U	0.2	U	0.2	U
Fluoranthene	500	100	100	0.29	J	0.12	U	0.12	U
4-Chlorophenyl phenyl ether				1.1	U	0.2	U	0.2	U
4-Bromophenyl phenyl ether				1.1	U	0.2	U	0.2	U
Bis(2-chloroisopropyl)ether				1.3	U	0.24	U	0.23	U
Bis(2-chloroethoxy)methane				1.2	U	0.22	U	0.21	U
Hexachlorobutadiene				1.1	U	0.2	U	0.2	U
Hexachlorocyclopentadiene				3.2	U	0.58	U	0.56	U
Hexachloroethane				0.89	U	0.16	U	0.16	U
Isophorone				1	U	0.18	U	0.18	U
Naphthalene	500	100	12	2.7		0.2	U	0.2	U
Nitrobenzene				1	U	0.18	U	0.18	U
NDPA/DPA				0.89	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine				1.1	U	0.2	U	0.2	U
Bis(2-ethylhexyl)phthalate				1.1	U	0.2	U	0.2	U
Butyl benzyl phthalate				1.1	U	0.2	U	0.2	U
Di-n-butylphthalate				1.1	U	0.2	U	0.2	U
Di-n-octylphthalate				1.1	U	0.2	U	0.2	U
Diethyl phthalate				1.1	U	0.2	U	0.2	U
Dimethyl phthalate				1.1	U	0.2	U	0.2	U
Benzo(a)anthracene	5.6	1	1	0.62	J	0.12	U	0.12	U
Benzo(a)pyrene	1	1	1	0.28	J	0.16	U	0.16	U
Benzo(b)fluoranthene	5.6	1	1	0.22	J	0.12	U	0.12	U
Benzo(k)fluoranthene	56	3.9	0.8	0.67	U	0.12	U	0.12	U
Chrysene	56	3.9	1	1.3		0.12	U	0.12	U
Acenaphthylene	500	100	100	0.89	U	0.16	U	0.16	U
Anthracene	500	100	100	0.64	J	0.12	U	0.12	U
Benzo(ghi)perylene	500	100	100	0.27	J	0.16	U	0.16	U
Fluorene	500	100	30	1.4		0.2	U	0.2	U
Phenanthrene	500	100	100	3.8		0.12	U	0.12	U
Dibenzo(a,h)anthracene	0.56	0.33	0.33	0.67	U	0.12	U	0.12	U
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	0.89	U	0.16	U	0.16	U
Pyrene	500	100	100	1.3		0.12	U	0.12	U
Biphenyl				2.5	U	0.46	U	0.44	U
4-Chloroaniline				1.1	U	0.2	U	0.2	U
2-Nitroaniline				1.1	U	0.2	U	0.2	U
3-Nitroaniline				1.1	U	0.2	U	0.2	U
4-Nitroaniline				1.1	U	0.2	U	0.2	U
Dibenzofuran	350	59	7	0.42	J	0.2	U	0.2	U
2-Methylnaphthalene				6.9		0.24	U	0.23	U
1,2,4,5-Tetrachlorobenzene				1.1	U	0.2	U	0.2	U
Acetophenone				1.1	U	0.2	U	0.2	U
2,4,6-Trichlorophenol				0.67	U	0.12	U	0.12	U
p-Chloro-m-cresol				1.1	U	0.2	U	0.2	U
2-Chlorophenol				1.1	U	0.2	U	0.2	U
2,4-Dichlorophenol				1	U	0.18	U	0.18	U
2,4-Dimethylphenol				1.1	U	0.2	U	0.2	U
2-Nitrophenol				2.4	U	0.44	U	0.42	U
4-Nitrophenol				1.6	U	0.28	U	0.27	U
2,4-Dinitrophenol				5.4	U	0.97	U	0.94	U
4,6-Dinitro-o-cresol				2.9	U	0.52	U	0.51	U
Pentachlorophenol	6.7	6.7	0.8	0.89	U	0.16	U	0.16	U
Phenol	500	100	0.33	1.1	U	0.2	U	0.2	U
2-Methylphenol	500	100	0.33	1.1	U	0.2	U	0.2	U
3-Methylphenol/4-Methylphenol	500	100	0.33	1.6	U	0.29	U	0.28	U
2,4,5-Trichlorophenol				1.1	U	0.2	U	0.2	U
Benzoic Acid				3.6	U	0.65	U	0.63	U
Benzyl Alcohol				1.1	U	0.2	U	0.2	U
Carbazole				1.1	U	0.2	U	0.2	U
1,4-Dioxane	130	13	0.1	0.17	U	0.03	U	0.029	U

J : Result is less than the RL but greater than or equal to the MDL and the concentr:

U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard

Exceeds Unrestricted Standard

Table 3
Metals in Soil
406 Boston Post Road
Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)		S-1 (2.5-3)	S-2 (9.5-10)	S-3 (13.5-14)	S-4 (2-2.5)	S-5 (11.5-12)	S-6 (9.5-10)
SAMPLING DATE	Residential	Restricted	Unrestricted		10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019
LAB SAMPLE ID	Use	Residential	Use		L1951298-01	L1951298-02	L1951298-03	L1951298-04	L1951298-05	L1951298-06
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	ppm	ppm	ppm	Units						
Total Metals										
Aluminum, Total				mg/kg	7090	14100	14400	6000	14900	10800
Antimony, Total				mg/kg	4.49 U	4.45 U	5.64 U	4.62 U	4.7 U	4.61 U
Arsenic, Total	16	16	13	mg/kg	3.13	0.97	9.53	2.53	3.29	4.08
Barium, Total	350	400	350	mg/kg	92	143	119	19.4	208	147
Beryllium, Total	14	72		mg/kg	0.224 J	0.294 J	0.745	0.296 J	0.46 J	0.368 J
Cadmium, Total	2.5	4.3	2.5	mg/kg	0.987	1.58	1.51	1.14	1.46	1.33
Calcium, Total				mg/kg	2610	2920	1560	855	6000	4360
Chromium, Total				mg/kg	62.1	59.4	86.9	14.4	50.2	51.6
Cobalt, Total				mg/kg	12.8	16.2	26.9	5.4	15.7	15.7
Copper, Total	270	270	50	mg/kg	44.9	61.9	73.2	138	66.4	60.8
Iron, Total				mg/kg	16600	30800	29900	22600	26100	22500
Lead, Total	400	400	63	mg/kg	73.8	4.79	14.4	11.2	107	131
Magnesium, Total				mg/kg	3610	13200	7520	1240	6780	7430
Manganese, Total	2000	2000	1600	mg/kg	383	757	372	200	518	308
Mercury, Total	0.81	0.81	0.18	mg/kg	0.064 J	0.081 U	0.104 U	0.077 U	0.142	0.154
Nickel, Total	140	310	30	mg/kg	95.7	95.3	186	18	70.7	92.2
Potassium, Total				mg/kg	1750	10300	6100	611	5690	3350
Selenium, Total	36	180	3.9	mg/kg	1.79 U	1.09 J	2.26 U	1.85 U	1.88 U	1.84 U
Silver, Total	36	180	2	mg/kg	0.897 U	0.89 U	1.13 U	0.924 U	0.94 U	0.921 U
Sodium, Total				mg/kg	204	172 J	163 J	140 J	283	177 J
Thallium, Total				mg/kg	1.79 U	1.78 U	2.26 U	1.85 U	1.88 U	1.84 U
Vanadium, Total	2200	10000	109	mg/kg	26.7	68	46.1	15.8	61.4	62.2
Zinc, Total		10000	109	mg/kg	102	62.1	93.1	21.1	164	128

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard

Exceeds Unrestricted Standard

Table 3
Metals in Soil
406 Boston Post Road
Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)		S-7 (4.5-5)	S-8 (3.5-4)	S-9 (6.5-7)	S-10 (2-2.5)	S-11 (4.5-5)	S-12 (2.5-3)	S-13 (5.5-6)
SAMPLING DATE	Residential	Restricted	Unrestricted		10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/31/2019	10/31/2019
LAB SAMPLE ID	Use	Residential	Use		L1951298-07	L1951298-08	L1951298-09	L1951298-10	L1951298-11	L1951621-01	L1951621-02
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	ppm	ppm	ppm	Units							
Total Metals											
Aluminum, Total				mg/kg	26900	9120	6540	11100	17700	29400	12200
Antimony, Total				mg/kg	4.98 U	4.54 U	4.46 U	4.36 U	4.54 U	4.46 U	4.81 U
Arsenic, Total	16	16	13	mg/kg	2.12	43.4	1.44	2.16	3.33	2.47	2.39
Barium, Total	350	400	350	mg/kg	60.1	122	70.1	51.1	234	156	78
Beryllium, Total	14	72		mg/kg	0.568	0.327 J	0.179 J	0.366 J	0.408 J	0.57	0.404 J
Cadmium, Total	2.5	4.3	2.5	mg/kg	1.54	1.13	0.956	0.942	1.25	1.57	0.712 J
Calcium, Total				mg/kg	10800	1880	1640	1090	9670	7750	1280
Chromium, Total				mg/kg	49	87.4	71	61.3	31.3	56.2	39.6
Cobalt, Total				mg/kg	17.4	9.15	16.1	17.6	10.4	18.3	8.57
Copper, Total	270	270	50	mg/kg	43.3	33.4	28.7	19.8	25.1	49.2	23.3
Iron, Total				mg/kg	29700	15900	18500	19100	23400	34400	16600
Lead, Total	400	400	63	mg/kg	28.3	411	27.4	4.57	105	19.9	27
Magnesium, Total				mg/kg	7640	2570	4770	3420	7380	9400	3260
Manganese, Total	2000	2000	1600	mg/kg	281	314	448	591	288	360	235
Mercury, Total	0.81	0.81	0.18	mg/kg	0.086 J	0.445	0.08 U	0.08 U	0.099	0.084 U	0.08 U
Nickel, Total	140	310	30	mg/kg	45.7	51.1	198	126	36	40.9	40.5
Potassium, Total				mg/kg	6190	1170	1900	1830	2040	10500	850
Selenium, Total	36	180	3.9	mg/kg	1.99 U	0.618 J	1.79 U	1.74 U	1.82 U	0.597 J	0.442 J
Silver, Total	36	180	2	mg/kg	0.996 U	0.909 U	0.893 U	0.872 U	0.908 U	0.891 U	0.962 U
Sodium, Total				mg/kg	1520	69.7 J	182	67.9 J	453	799	434
Thallium, Total				mg/kg	0.369 J	1.82 U	1.79 U	1.74 U	1.82 U	0.356 J	1.92 U
Vanadium, Total	2200	10000	109	mg/kg	63.7	40.4	22.4	26.5	38.4	77.1	29.5
Zinc, Total		10000	109	mg/kg	74.4	176	30.7	26.7	110	61	43.3

J : Result is less than the RL but greater than or equal to the MDL and the concentra

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Exceeds Restricted Residential Standard

Exceeds Unrestricted Standard

Table 3
Metals in Soil
406 Boston Post Road
Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)		S-14 (8.5-9)	S-15 (11.5-12)	S-16 (8.5-9)	S-17 (3-3.5)	S-18 (3.5-4)	S-19 (10.5-11)	S-19 (13.5-14)	S-20 (3.5-4)
SAMPLING DATE	Residential	Restricted	Unrestricted		10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019
LAB SAMPLE ID	Use	Residential	Use		L1951621-03	L1951621-04	L1951621-05	L1951621-06	L1951621-07	L1951621-08	L1951621-09	L1951621-10
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	ppm	ppm	ppm	Units								
Total Metals												
Aluminum, Total				mg/kg	5600	16600	18900	11200	8080	8040	7640	21100
Antimony, Total				mg/kg	4.44 U	5.34 U	4.23 U	4.43 U	4.64 U	0.622 J	1.64 J	4.62 U
Arsenic, Total	16	16	13	mg/kg	1.99	1.55	2.31	6.23	3.39	0.833 J	0.935 U	3.08
Barium, Total	350	400	350	mg/kg	53.7	116	117	68.6	84.2	111	39.3	79.5
Beryllium, Total	14	72		mg/kg	0.151 J	0.395 J	0.33 J	0.372 J	0.288 J	1.98	3.32	0.796
Cadmium, Total	2.5	4.3	2.5	mg/kg	0.79 J	2.49	2.65	1.06	0.761 J	0.938 J	0.954	1.42
Calcium, Total				mg/kg	918	150	156	2350	2930	1970	3040	732
Chromium, Total				mg/kg	42.2	42.9	60.1	68.5	47.5	48	56.8	61
Cobalt, Total				mg/kg	17.9	9.29	15.9	20.3	10.8	20.2	21.7	15.7
Copper, Total	270	270	50	mg/kg	23.4	130	118	21.3	36.9	113	90.8	26.2
Iron, Total				mg/kg	16900	52800	55600	20900	14700	19900	80500	33800
Lead, Total	400	400	63	mg/kg	3.64 J	19	12.5	63.4	241	5.94	7.21	19.3
Magnesium, Total				mg/kg	4570	6200	9230	5550	4630	3350	4290	5690
Manganese, Total	2000	2000	1600	mg/kg	349	2720	1200	447	174	969	754	376
Mercury, Total	0.81	0.81	0.18	mg/kg	0.085 U	0.108 U	0.083 U	0.112	0.401	0.107 U	0.08 U	0.092 U
Nickel, Total	140	310	30	mg/kg	203	24.2	17.2	163	80.9	159	113	74.5
Potassium, Total				mg/kg	1840	9600	12500	1410	2260	643	1450	1560
Selenium, Total	36	180	3.9	mg/kg	0.48 J	1.98 J	1.29 J	0.692 J	1.86 U	0.59 J	1.87 U	0.694 J
Silver, Total	36	180	2	mg/kg	0.888 U	1.07 U	0.846 U	0.887 U	0.928 U	1.05 U	0.393 J	0.925 U
Sodium, Total				mg/kg	17.8 J	67 J	104 J	30.6 J	201	208 J	216	766
Thallium, Total				mg/kg	1.78 U	0.673 J	0.415 J	1.77 U	1.86 U	0.358 J	0.823 J	1.85 U
Vanadium, Total	2200	10000	109	mg/kg	19	51.5	96.7	30.3	22	32	56	54.9
Zinc, Total		10000	109	mg/kg	28.2	59.4	75.9	61.8	129	21	82.9	77.2

J : Result is less than the RL but greater than or equal to the MDL and the concentra
U : Indicates the analyte was analyzed for but not detected.

Exceeds Restricted Residential Standard

Exceeds Unrestricted Standard

Table 4
PCBs, Pesticides, and EPH in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-1 (2.5-3)			S-2 (9.5-10)			S-3 (13.5-14)			S-4 (2-2.5)			S-5 (11.5-12)			S-6 (9.5-10)			S-7 (4.5-5)			S-8 (3.5-4)			S-9 (6.5-7)		
SAMPLING DATE	Commercial	Restricted	Unrestricted	10/30/2019			10/30/2019			10/30/2019			10/30/2019			10/30/2019			10/30/2019			10/30/2019			10/30/2019			10/30/2019		
LAB SAMPLE ID	Use	Residential	Use	L1951298-01			L1951298-02			L1951298-03			L1951298-04			L1951298-05			L1951298-06			L1951298-07			L1951298-08			L1951298-09		
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup	SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
SAMPLE DEPTH (ft.)	ppm	ppm	ppm																											
				Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual		
General Chemistry																														
Solids, Total				%	83.8		88.5		70.9		82		82.5		84.8		76.6		85.3		86.8									
Cyanide, Total	27	27	27	mg/kg	1.2	U	0.39	J	1.4	U	1.2	U	1.1	U	1.1	U	1.3	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U		
NJ Extractable Petroleum Hydrocarbons																														
C9-C12 Aliphatics				mg/kg	-	-	226		-	-	-	-	-	-	90.9	U	-	-	-	-	-	-	-	-	-	-	-	-		
C12-C16 Aliphatics				mg/kg	-	-	1130		-	-	-	-	-	-	578		-	-	-	-	-	-	-	-	-	-	-			
C16-C21 Aliphatics				mg/kg	-	-	803		-	-	-	-	-	-	896		-	-	-	-	-	-	-	-	-	-	-			
C21-C40 Aliphatics				mg/kg	-	-	149	U	-	-	-	-	-	-	1640		-	-	-	-	-	-	-	-	-	-	-			
C10-C12 Aromatics				mg/kg	-	-	50.9		-	-	-	-	-	-	60.6		-	-	-	-	-	-	-	-	-	-	-			
C12-C16 Aromatics				mg/kg	-	-	159		-	-	-	-	-	-	453		-	-	-	-	-	-	-	-	-	-	-			
C16-C21 Aromatics				mg/kg	-	-	426		-	-	-	-	-	-	1160		-	-	-	-	-	-	-	-	-	-	-			
C21-C36 Aromatics				mg/kg	-	-	119	U	-	-	-	-	-	-	617		-	-	-	-	-	-	-	-	-	-	-			
Total EPH				mg/kg	-	-	2790		-	-	-	-	-	-	5400		-	-	-	-	-	-	-	-	-	-	-			
NJ Extractable Petroleum Hydrocarbons (Total)																														
Total EPH				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Organochlorine Pesticides by GC																														
Delta-BHC	500	100	0.04	mg/kg	0.00181	U	0.00179	U	0.00214	U	0.00187	U	0.00186	U	0.00186	U	0.00203	U	0.00185	U	0.00179	U								
Lindane	9.2	1.3	0.1	mg/kg	0.000755	U	0.000747	U	0.00089	U	0.00078	U	0.000774	U	0.000777	U	0.000845	U	0.000773	U	0.000748	U								
Alpha-BHC	3.4	0.48	0.02	mg/kg	0.000755	U	0.000747	U	0.00089	U	0.00078	U	0.000774	U	0.000777	U	0.000845	U	0.000773	U	0.000748	U								
Beta-BHC	3	0.36	0.036	mg/kg	0.00181	U	0.00179	U	0.00214	U	0.00187	U	0.00186	U	0.00186	U	0.00203	U	0.00185	U	0.00179	U								
Heptachlor	15	2.1	0.042	mg/kg	0.000906	U	0.000897	U	0.00107	U	0.000936	U	0.000928	U	0.000932	U	0.00101	U	0.000927	U	0.000897	U								
Aldrin	0.68	0.097	0.005	mg/kg	0.00181	U	0.00179	U	0.00214	U	0.00187	U	0.00186	U	0.00186	U	0.00203	U	0.00185	U	0.00179	U								
Heptachlor epoxide				mg/kg	0.0034	U	0.00336	U	0.00401	U	0.00351	U	0.00348	U	0.0035	U	0.0038	U	0.00348	U	0.00336	U								
Endrin	89	11	0.014	mg/kg	0.000755	U	0.000747	U	0.00089	U	0.00078	U	0.000774	U	0.000777	U	0.000845	U	0.000773	U	0.000748	U								
Endrin aldehyde				mg/kg	0.00226	U	0.00224	U	0.00267	U	0.00234	U	0.00232	U	0.00233	U	0.00253	U	0.00232	U	0.00224	U								
Endrin ketone				mg/kg	0.00181	U	0.00179	U	0.00214	U	0.00187	U	0.00186	U	0.00186	U	0.00203	U	0.00185	U	0.00179	U								
Dieldrin	1.4	0.2	0.005	mg/kg	0.00113	U	0.00112	U	0.00134	U	0.00117	U	0.00116	U	0.00116	U	0.00127	U	0.00116	U	0.00112	U								
4,4'-DDE	62	8.9	0.0033	mg/kg	0.00181	U	0.00179	U	0.00214	U	0.000608	JIP	0.00186	U	0.00186	U	0.00203	U	0.00861		0.00179	U								
4,4'-DDD	92	13	0.0033	mg/kg	0.00181	U	0.00179	U	0.00214	U	0.00187	U	0.00186	U	0.00186	U	0.00203	U	0.00185	U	0.00179	U								
4,4'-DDT	47	7.9	0.0033	mg/kg	0.0034	U	0.00336	U	0.00401	U	0.00351	U	0.00348	U	0.0035	U	0.0038	U	0.0131		0.00336	U								
Endosulfan I	200	24	2.4	mg/kg	0.00181	U	0.00179	U	0.00214	U	0.00187	U	0.00186	U	0.00186	U	0.00203	U	0.00185	U	0.00179	U								
Endosulfan II	200	24	2.4	mg/kg	0.00181	U	0.00179	U	0.00214	U	0.00187	U	0.00186	U	0.00186	U	0.00203	U	0.00185	U	0.00179	U								
Endosulfan sulfate	200	24	2.4	mg/kg	0.000755	U	0.000747	U	0.00089	U	0.00078	U	0.000774	U	0.000777	U	0.000845	U	0.000773	U	0.000748	U								
Methoxychlor				mg/kg	0.0034	U	0.00336	U	0.00401	U	0.00351	U	0.00348	U	0.0035	U	0.0038	U	0.00348	U	0.00336	U								
Toxaphene				mg/kg	0.034	U	0.0336	U	0.0401	U	0.0351	U	0.0348	U	0.035	U	0.038	U	0.0348	U	0.0336	U								
cis-Chlordane	24	4.2	0.094	mg/kg	0.00226	U	0.00224	U	0.00267	U	0.00234	U	0.00232	U	0.00233	U	0.00253	U	0.00232	U	0.00224	U								
trans-Chlordane				mg/kg	0.00123	JIP	0.00224	U	0.00267	U	0.000651	JIP	0.00232	U	0.00233	U	0.00253	U	0.00232	U	0.00224	U								
Chlordane				mg/kg	0.0147	U	0.0146	U	0.0174	U	0.0152	U	0.0151	U	0.0151	U	0.0165	U	0.0151	U	0.0146	U								
Polychlorinated Biphenyls by GC																														
Aroclor 1016	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.039	U	0.0388	U	0.0391	U	0.0408	U	0.038	U	0.037	U								
Aroclor 1221	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.039	U	0.0388	U	0.0391	U	0.0408	U	0.038	U	0.037	U								
Aroclor 1232	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.039	U	0.0388	U	0.0391	U	0.0408	U	0.038	U	0.037	U								
Aroclor 1242	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.039	U	0.0388	U	0.0391	U	0.0408	U	0.038	U	0.037	U								
Aroclor 1248	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.039	U	0.0388	U	0.0391	U	0.0408	U	0.038	U	0.037	U								
Aroclor 1254	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.039	U	0.688		0.689		0.0408	U	0.038	U	0.037	U								
Aroclor 1260	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.0169	J	0.0388	U	0.0831		0.0408	U	0.0118	J	0.037	U								
Aroclor 1262	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.039	U	0.0388	U	0.0391	U	0.0408	U	0.038	U	0.037	U								
Aroclor 1268	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.039	U	0.0388	U	0.0391	U	0.0408	U	0.038	U	0.037	U								
PCBs, Total	1	1	0.1	mg/kg	0.0385	U	0.0376	U	0.0459	U	0.0169	J	0.688		0.252		0.0408	U	0.0118	J	0.037	U								

J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U : Indicates the analyte was analyzed for but not detected.

Exceeds Unrestricted Standard

Table 4
PCBs, Pesticides, and EPH in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)	S-10 (2-2.5)			S-11 (4.5-5)		S-12 (2.5-3)		S-13 (5.5-6)		S-14 (8.5-9)		S-15 (11.5-12)		S-16 (8.5-9)		S-17 (3-3.5)		S-18 (3.5-4)	
SAMPLING DATE	Commercial	Restricted	Unrestricted	10/30/2019			10/30/2019		10/31/2019		10/31/2019		10/31/2019		10/31/2019		10/31/2019		10/31/2019		10/31/2019	
LAB SAMPLE ID	Use	Residential	Use	L1951298-10			L1951298-11		L1951621-01		L1951621-02		L1951621-03		L1951621-04		L1951621-05		L1951621-06		L1951621-07	
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup	SOIL			SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
SAMPLE DEPTH (ft.)	ppm	ppm	ppm																			
				Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																						
Solids, Total				%	88.2		85.4		86.3		80.6		86.6		72.6		89.5		87.4		84.8	
Cyanide, Total	27	27	27	mg/kg	1.1	U	1.2	U	1.1	U	1.2	U	1	U	0.49	J	1	U	1.1	U	1.1	U
NJ Extractable Petroleum Hydrocarbons																						
C9-C12 Aliphatics				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C16 Aliphatics				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C16-C21 Aliphatics				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C21-C40 Aliphatics				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10-C12 Aromatics				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-C16 Aromatics				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C16-C21 Aromatics				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C21-C36 Aromatics				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total EPH				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NJ Extractable Petroleum Hydrocarbons (Total)																						
Total EPH				mg/kg	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Organochlorine Pesticides by GC																						
Delta-BHC	500	100	0.04	mg/kg	0.00179	U	0.00182	U	0.00182	U	0.00194	U	0.00181	U	0.00216	U	0.00177	U	0.00177	U	0.00181	U
Lindane	9.2	1.3	0.1	mg/kg	0.000744	U	0.000757	U	0.000761	U	0.000808	U	0.000756	U	0.0009	U	0.000736	U	0.000736	U	0.000754	U
Alpha-BHC	3.4	0.48	0.02	mg/kg	0.000744	U	0.000757	U	0.000761	U	0.000808	U	0.000756	U	0.0009	U	0.000736	U	0.000736	U	0.000754	U
Beta-BHC	3	0.36	0.036	mg/kg	0.00179	U	0.00182	U	0.00182	U	0.00194	U	0.00181	U	0.00216	U	0.00177	U	0.00177	U	0.00181	U
Heptachlor	15	2.1	0.042	mg/kg	0.000893	U	0.000908	U	0.000913	U	0.00059	J	0.000907	U	0.00108	U	0.000884	U	0.000884	U	0.000904	U
Aldrin	0.68	0.097	0.005	mg/kg	0.00179	U	0.00182	U	0.00182	U	0.00194	U	0.00181	U	0.00216	U	0.00177	U	0.00177	U	0.00181	U
Heptachlor epoxide				mg/kg	0.00335	U	0.00341	U	0.00342	U	0.00363	U	0.0034	U	0.00405	U	0.00331	U	0.00331	U	0.00339	U
Endrin	89	11	0.014	mg/kg	0.000744	U	0.000757	U	0.000761	U	0.000808	U	0.000756	U	0.0009	U	0.000736	U	0.000736	U	0.000754	U
Endrin aldehyde				mg/kg	0.00223	U	0.00227	U	0.00228	U	0.00242	U	0.00227	U	0.0027	U	0.00221	U	0.00221	U	0.00226	U
Endrin ketone				mg/kg	0.00179	U	0.00182	U	0.00182	U	0.00194	U	0.00181	U	0.00216	U	0.00177	U	0.00177	U	0.00181	U
Dieldrin	1.4	0.2	0.005	mg/kg	0.00112	U	0.00114	U	0.00114	U	0.000676	J	0.00113	U	0.00135	U	0.0011	U	0.0011	U	0.00113	U
4,4'-DDE	62	8.9	0.0033	mg/kg	0.00179	U	0.00373	J	0.00117	J	0.0021	U	0.00181	U	0.00216	U	0.00177	U	0.0179	J	0.00181	U
4,4'-DDD	92	13	0.0033	mg/kg	0.00179	U	0.00158	JP	0.00182	U	0.000981	J	0.00181	U	0.00216	U	0.00177	U	0.00177	U	0.00181	U
4,4'-DDT	47	7.9	0.0033	mg/kg	0.00335	U	0.00199	JP	0.00342	U	0.00313	J	0.0034	U	0.00405	U	0.00331	U	0.0101	J	0.00339	U
Endosulfan I	200	24	2.4	mg/kg	0.00179	U	0.00182	U	0.00182	U	0.00194	U	0.00181	U	0.00216	U	0.00177	U	0.00177	U	0.00181	U
Endosulfan II	200	24	2.4	mg/kg	0.00179	U	0.00182	U	0.00182	U	0.00194	U	0.00181	U	0.00216	U	0.00177	U	0.00177	U	0.00181	U
Endosulfan sulfate	200	24	2.4	mg/kg	0.000744	U	0.000757	U	0.000761	U	0.000808	U	0.000756	U	0.0009	U	0.000736	U	0.000736	U	0.000754	U
Methoxychlor				mg/kg	0.00335	U	0.00341	U	0.00342	U	0.00363	U	0.0034	U	0.00405	U	0.00331	U	0.00331	U	0.00339	U
Toxaphene				mg/kg	0.0335	U	0.0341	U	0.0342	U	0.0363	U	0.034	U	0.0405	U	0.0331	U	0.0331	U	0.0339	U
cis-Chlordane	24	4.2	0.094	mg/kg	0.00223	U	0.00227	U	0.00228	U	0.00223	J	0.00227	U	0.0027	U	0.00221	U	0.00221	U	0.00226	U
trans-Chlordane				mg/kg	0.00223	U	0.00227	U	0.00228	U	0.00166	JIP	0.00227	U	0.0027	U	0.00221	U	0.00221	U	0.00226	U
Chlordane				mg/kg	0.0145	U	0.0148	U	0.0148	U	0.0183	U	0.0147	U	0.0175	U	0.0144	U	0.0144	U	0.0147	U
Polychlorinated Biphenyls by GC																						
Aroclor 1016	1	1	0.1	mg/kg	0.0359	U	0.0388	U	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.0367	U	0.036	U	0.0379	U
Aroclor 1221	1	1	0.1	mg/kg	0.0359	U	0.0388	U	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.0367	U	0.036	U	0.0379	U
Aroclor 1232	1	1	0.1	mg/kg	0.0359	U	0.0388	U	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.0367	U	0.036	U	0.0379	U
Aroclor 1242	1	1	0.1	mg/kg	0.0359	U	0.0388	U	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.0367	U	0.036	U	0.0379	U
Aroclor 1248	1	1	0.1	mg/kg	0.0359	U	0.0388	U	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.0367	U	0.036	U	0.0379	U
Aroclor 1254	1	1	0.1	mg/kg	0.0359	U	0.00789	J	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.0367	U	0.036	U	0.0379	U
Aroclor 1260	1	1	0.1	mg/kg	0.0359	U	0.0207	J	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.00997	J	0.036	U	0.0379	U
Aroclor 1262	1	1	0.1	mg/kg	0.0359	U	0.0388	U	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.0367	U	0.036	U	0.0379	U
Aroclor 1268	1	1	0.1	mg/kg	0.0359	U	0.0388	U	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.0367	U	0.036	U	0.0379	U
PCBs, Total	1	1	0.1	mg/kg	0.0359	U	0.0286	J	0.0374	U	0.039	U	0.0377	U	0.0447	U	0.00997	J	0.036	U	0.0379	U

J : Result is less than the RL but greater than or equal to the MDL and the concentration is

U : Indicates the analyte was analyzed for but not detected.

Exceeds Unrestricted Standard

Table 4
PCBs, Pesticides, and EPH in Soil
406 Boston Post Road, Port Chester, NY

LOCATION	NY 375-6.8(c)	NY 375-6.8(a)	NY 375-6.8(b)		S-19 (10.5-11)	S-19 (13.5-14)	S-20 (3.5-4)			
SAMPLING DATE	Commercial	Restricted	Unrestricted		10/31/2019	10/31/2019	10/31/2019			
LAB SAMPLE ID	Use	Residential	Use		L1951621-08	L1951621-09	L1951621-10			
SAMPLE TYPE	Soil Cleanup	Soil Cleanup	Soil Cleanup		SOIL	SOIL	SOIL			
SAMPLE DEPTH (ft.)	ppm	ppm	ppm							
				Units	Results	Qual	Results	Qual	Results	Qual
General Chemistry										
Solids, Total				%	74.1		80.4		83.8	
Cyanide, Total	27	27	27	mg/kg	1.3	U	1.2	U	1.2	U
NJ Extractable Petroleum Hydrocarbons										
C9-C12 Aliphatics				mg/kg	626	U	-	-	-	-
C12-C16 Aliphatics				mg/kg	954		-	-	-	-
C16-C21 Aliphatics				mg/kg	1650		-	-	-	-
C21-C40 Aliphatics				mg/kg	4930		-	-	-	-
C10-C12 Aromatics				mg/kg	417	U	-	-	-	-
C12-C16 Aromatics				mg/kg	626	U	-	-	-	-
C16-C21 Aromatics				mg/kg	1290		-	-	-	-
C21-C36 Aromatics				mg/kg	2870		-	-	-	-
Total EPH				mg/kg	11700		-	-	-	-
NJ Extractable Petroleum Hydrocarbons (Total)										
Total EPH				mg/kg	-	-	28.5	U	-	-
Organochlorine Pesticides by GC										
Delta-BHC	500	100	0.04	mg/kg	0.00207	U	0.00189	U	0.00186	U
Lindane	9.2	1.3	0.1	mg/kg	0.000861	U	0.000788	U	0.000777	U
Alpha-BHC	3.4	0.48	0.02	mg/kg	0.000861	U	0.000788	U	0.000777	U
Beta-BHC	3	0.36	0.036	mg/kg	0.00207	U	0.00189	U	0.00186	U
Heptachlor	15	2.1	0.042	mg/kg	0.00103	U	0.000946	U	0.000932	U
Aldrin	0.68	0.097	0.005	mg/kg	0.00207	U	0.00189	U	0.00186	U
Heptachlor epoxide				mg/kg	0.00388	U	0.00355	U	0.0035	U
Endrin	89	11	0.014	mg/kg	0.000861	U	0.000788	U	0.000777	U
Endrin aldehyde				mg/kg	0.00258	U	0.00236	U	0.00233	U
Endrin ketone				mg/kg	0.00207	U	0.00189	U	0.00186	U
Dieldrin	1.4	0.2	0.005	mg/kg	0.00129	U	0.00118	U	0.00116	U
4,4'-DDE	62	8.9	0.0033	mg/kg	0.000598	J	0.00189	U	0.00186	U
4,4'-DDD	92	13	0.0033	mg/kg	0.00207	U	0.00189	U	0.00186	U
4,4'-DDT	47	7.9	0.0033	mg/kg	0.00388	U	0.00355	U	0.0035	U
Endosulfan I	200	24	2.4	mg/kg	0.00207	U	0.00189	U	0.00186	U
Endosulfan II	200	24	2.4	mg/kg	0.00207	U	0.00189	U	0.00186	U
Endosulfan sulfate	200	24	2.4	mg/kg	0.000861	U	0.000788	U	0.000777	U
Methoxychlor				mg/kg	0.00388	U	0.00355	U	0.0035	U
Toxaphene				mg/kg	0.0388	U	0.0355	U	0.035	U
cis-Chlordane	24	4.2	0.094	mg/kg	0.00258	U	0.00236	U	0.00233	U
trans-Chlordane				mg/kg	0.00258	U	0.00236	U	0.00233	U
Chlordane				mg/kg	0.0168	U	0.0154	U	0.0151	U
Polychlorinated Biphenyls by GC										
Aroclor 1016	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U
Aroclor 1221	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U
Aroclor 1232	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U
Aroclor 1242	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U
Aroclor 1248	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U
Aroclor 1254	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U
Aroclor 1260	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U
Aroclor 1262	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U
Aroclor 1268	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U
PCBs, Total	1	1	0.1	mg/kg	0.044	U	0.0403	U	0.0391	U

J : Result is less than the RL but greater than or equal to the MDL and the concentration is

U : Indicates the analyte was analyzed for but not detected.

Exceeds Unrestricted Standard

Table 7
Semivolatile Organic Compounds in Groundwater
406 Boston Post Road
Port Chester, NY

LOCATION				TW-1		TW-2		GW-3	
SAMPLING DATE				10/30/2019		10/31/2019		10/31/2019	
LAB SAMPLE ID				L1951298-12		L1951621-11		L1951621-12	
SAMPLE TYPE				WATER		WATER		WATER	
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS									
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	5	U	5	U	5	U
Bis(2-chloroethyl)ether	111-44-4	1	ug/l	2	U	2	U	2	U
1,2-Dichlorobenzene	95-50-1	3	ug/l	2	U	2	U	2	U
1,3-Dichlorobenzene	541-73-1	3	ug/l	2	U	2	U	2	U
1,4-Dichlorobenzene	106-46-7	3	ug/l	2	U	2	U	2	U
3,3'-Dichlorobenzidine	91-94-1	5	ug/l	5	U	5	U	5	U
2,4-Dinitrotoluene	121-14-2	5	ug/l	5	U	5	U	5	U
2,6-Dinitrotoluene	606-20-2	5	ug/l	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	7005-72-3		ug/l	2	U	2	U	2	U
4-Bromophenyl phenyl ether	101-55-3		ug/l	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	108-60-1	5	ug/l	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	111-91-1	5	ug/l	5	U	5	U	5	U
Hexachlorocyclopentadiene	77-47-4	5	ug/l	20	U	20	U	20	U
Isophorone	78-59-1	50	ug/l	5	U	5	U	5	U
Nitrobenzene	98-95-3	0.4	ug/l	2	U	2	U	2	U
NDPA/DPA	86-30-6	50	ug/l	2	U	2	U	2	U
n-Nitrosodi-n-propylamine	621-64-7		ug/l	5	U	5	U	5	U
Bis(2-ethylhexyl)phthalate	117-81-7	5	ug/l	2.4	J	3	U	1.7	J
Butyl benzyl phthalate	85-68-7	50	ug/l	5	U	5	U	5	U
Di-n-butylphthalate	84-74-2	50	ug/l	5	U	5	U	5	U
Di-n-octylphthalate	117-84-0	50	ug/l	5	U	5	U	5	U
Diethyl phthalate	84-66-2	50	ug/l	5	U	5	U	5	U
Dimethyl phthalate	131-11-3	50	ug/l	5	U	5	U	5	U
Biphenyl	92-52-4		ug/l	2	U	2	U	2	U
4-Chloroaniline	106-47-8	5	ug/l	5	U	5	U	5	U
2-Nitroaniline	88-74-4	5	ug/l	5	U	5	U	5	U
3-Nitroaniline	99-09-2	5	ug/l	5	U	5	U	5	U
4-Nitroaniline	100-01-6	5	ug/l	5	U	5	U	5	U
Dibenzofuran	132-64-9		ug/l	9.5		0.64	J	2	U
1,2,4,5-Tetrachlorobenzene	95-94-3	5	ug/l	10	U	10	U	10	U
Acetophenone	98-86-2		ug/l	5	U	5	U	5	U
2,4,6-Trichlorophenol	88-06-2		ug/l	5	U	5	U	5	U
p-Chloro-m-cresol	59-50-7		ug/l	2	U	2	U	2	U
2-Chlorophenol	95-57-8		ug/l	2	U	2	U	2	U
2,4-Dichlorophenol	120-83-2	1	ug/l	5	U	5	U	5	U
2,4-Dimethylphenol	105-67-9	50	ug/l	5	U	5	U	5	U
2-Nitrophenol	88-75-5		ug/l	10	U	10	U	10	U
4-Nitrophenol	100-02-7		ug/l	10	U	10	U	10	U
2,4-Dinitrophenol	51-28-5	10	ug/l	20	U	20	U	20	U
4,6-Dinitro-o-cresol	534-52-1		ug/l	10	U	10	U	10	U
Phenol	108-95-2	1	ug/l	5	U	5	U	5	U
2-Methylphenol	95-48-7		ug/l	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	108-39-4/1		ug/l	5	U	5	U	5	U
2,4,5-Trichlorophenol	95-95-4		ug/l	5	U	5	U	5	U
Benzoic Acid	65-85-0		ug/l	50	U	50	U	50	U
Benzyl Alcohol	100-51-6		ug/l	2	U	2	U	2	U
Carbazole	86-74-8		ug/l	2	U	1.1	J	2	U
Semivolatile Organics by GC/MS-SIM									
Acenaphthene	83-32-9	20	ug/l	0.2	U	1.8		0.38	
2-Chloronaphthalene	91-58-7	10	ug/l	0.4	U	0.2	U	0.1	J
Fluoranthene	206-44-0	50	ug/l	2.1		2.4		0.03	J
Hexachlorobutadiene	87-68-3	0.5	ug/l	1	U	0.5	U	0.5	U
Naphthalene	91-20-3	10	ug/l	2		6.6		0.2	
Benzo(a)anthracene	56-55-3	0.002	ug/l	0.5		0.8		0.1	U
Benzo(a)pyrene	50-32-8	0	ug/l	0.34		0.77		0.1	U
Benzo(b)fluoranthene	205-99-2	0.002	ug/l	0.46		1		0.02	J
Benzo(k)fluoranthene	207-08-9	0.002	ug/l	0.16	J	0.31		0.1	U
Chrysene	218-01-9	0.002	ug/l	0.53		0.68		0.1	U
Acenaphthylene	208-96-8		ug/l	0.2	U	0.04	J	0.07	J
Anthracene	120-12-7	50	ug/l	2.9		0.65		0.19	
Benzo(ghi)perylene	191-24-2		ug/l	0.24		0.42		0.1	U
Fluorene	86-73-7	50	ug/l	14		1.2		0.52	
Phenanthrene	85-01-8	50	ug/l	12		2.7		0.1	U
Dibenzo(a,h)anthracene	53-70-3		ug/l	0.05	J	0.1		0.1	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	ug/l	0.24		0.47		0.1	U
Pyrene	129-00-0	50	ug/l	2.1		2.2		0.07	J
2-Methylnaphthalene	91-57-6		ug/l	0.2	U	0.95		0.03	J
Pentachlorophenol	87-86-5	1	ug/l	1.6	U	0.8	U	0.8	U
Hexachlorobenzene	118-74-1	0.04	ug/l	1.6	U	0.8	U	0.8	U
Hexachloroethane	67-72-1	5	ug/l	1.6	U	0.8	U	0.8	U

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Exceeds NY-AWQS

Table 6
Volatile Organic Compounds in Groundwater
406 Boston Post Road
Port Chester, NY

LOCATION				TW-1		TW-2		GW-3	
SAMPLING DATE				10/30/2019		10/31/2019		10/31/2019	
LAB SAMPLE ID				L1951298-12		L1951621-11		L1951621-12	
SAMPLE TYPE				WATER		WATER		WATER	
SAMPLE DEPTH (ft.)									
	CasNum	NY-AWQS	Units	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS									
Methylene chloride	75-09-2	5	ug/l	25	U	2.5	U	2.5	U
1,1-Dichloroethane	75-34-3	5	ug/l	25	U	2.5	U	2.5	U
Chloroform	67-66-3	7	ug/l	25	U	2.5	U	2.5	U
Carbon tetrachloride	56-23-5	5	ug/l	5	U	0.5	U	0.5	U
1,2-Dichloropropane	78-87-5	1	ug/l	10	U	1	U	1	U
Dibromochloromethane	124-48-1	50	ug/l	5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	79-00-5	1	ug/l	15	U	1.5	U	1.5	U
Tetrachloroethene	127-18-4	5	ug/l	5	U	0.5	U	0.5	U
Chlorobenzene	108-90-7	5	ug/l	25	U	2.5	U	2.5	U
Trichlorofluoromethane	75-69-4	5	ug/l	25	U	2.5	U	2.5	U
1,2-Dichloroethane	107-06-2	0.6	ug/l	5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	71-55-6	5	ug/l	25	U	2.5	U	2.5	U
Bromodichloromethane	75-27-4	50	ug/l	5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	10061-02-6	0.4	ug/l	5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	10061-01-5	0.4	ug/l	5	U	0.5	U	0.5	U
1,3-Dichloropropene, Total	542-75-6		ug/l	5	U	0.5	U	0.5	U
1,1-Dichloropropene	563-58-6	5	ug/l	25	U	2.5	U	2.5	U
Bromoform	75-25-2	50	ug/l	20	U	2	U	2	U
1,1,2,2-Tetrachloroethane	79-34-5	5	ug/l	5	U	0.5	U	0.5	U
Benzene	71-43-2	1	ug/l	5	U	0.5	U	1	
Toluene	108-88-3	5	ug/l	25	U	2.5	U	2.5	U
Ethylbenzene	100-41-4	5	ug/l	25	U	2.5	U	0.81	J
Chloromethane	74-87-3		ug/l	25	U	2.5	U	2.5	U
Bromomethane	74-83-9	5	ug/l	25	U	2.5	U	2.5	U
Vinyl chloride	75-01-4	2	ug/l	10	U	1	U	1	U
Chloroethane	75-00-3	5	ug/l	25	U	2.5	U	2.5	U
1,1-Dichloroethene	75-35-4	5	ug/l	5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	156-60-5	5	ug/l	25	U	2.5	U	2.5	U
Trichloroethene	79-01-6	5	ug/l	5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	95-50-1	3	ug/l	25	U	2.5	U	2.5	U
1,3-Dichlorobenzene	541-73-1	3	ug/l	25	U	2.5	U	2.5	U
1,4-Dichlorobenzene	106-46-7	3	ug/l	25	U	2.5	U	2.5	U
Methyl tert butyl ether	1634-04-4	10	ug/l	25	U	2.5	U	2.5	U
p/m-Xylene	179601-23-1	5	ug/l	25	U	2.5	U	2.5	U
o-Xylene	95-47-6	5	ug/l	25	U	2.5	U	2.5	U
Xylenes, Total	1330-20-7		ug/l	25	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	156-59-2	5	ug/l	25	U	2.5	U	2.5	U
1,2-Dichloroethene, Total	540-59-0		ug/l	25	U	2.5	U	2.5	U
Dibromomethane	74-95-3	5	ug/l	50	U	5	U	5	U
1,2,3-Trichloropropane	96-18-4	0.04	ug/l	25	U	2.5	U	2.5	U
Acrylonitrile	107-13-1	5	ug/l	50	U	5	U	5	U
Styrene	100-42-5	5	ug/l	25	U	2.5	U	2.5	U
Dichlorodifluoromethane	75-71-8	5	ug/l	50	U	5	U	5	U
Acetone	67-64-1	50	ug/l	38	J	21		5	U
Carbon disulfide	75-15-0	60	ug/l	50	U	5	U	5	U
2-Butanone	78-93-3	50	ug/l	32	J	5	U	5	U
Vinyl acetate	108-05-4		ug/l	50	U	5	U	5	U
4-Methyl-2-pentanone	108-10-1		ug/l	50	U	5	U	5	U
2-Hexanone	591-78-6	50	ug/l	50	U	5	U	5	U
Bromochloromethane	74-97-5	5	ug/l	25	U	2.5	U	2.5	U
2,2-Dichloropropane	594-20-7	5	ug/l	25	U	2.5	U	2.5	U
1,2-Dibromoethane	106-93-4	0.0006	ug/l	20	U	2	U	2	U
1,3-Dichloropropane	142-28-9	5	ug/l	25	U	2.5	U	2.5	U
1,1,1,2-Tetrachloroethane	630-20-6	5	ug/l	25	U	2.5	U	2.5	U
Bromobenzene	108-86-1	5	ug/l	25	U	2.5	U	2.5	U
n-Butylbenzene	104-51-8	5	ug/l	25	U	2.5	U	2.5	U
sec-Butylbenzene	135-98-8	5	ug/l	25	U	2.5	U	2.5	U
tert-Butylbenzene	98-06-6	5	ug/l	25	U	2.5	U	2.5	U
o-Chlorotoluene	95-49-8	5	ug/l	25	U	2.5	U	2.5	U
p-Chlorotoluene	106-43-4	5	ug/l	25	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	ug/l	25	U	2.5	U	2.5	U
Hexachlorobutadiene	87-68-3	0.5	ug/l	25	U	2.5	U	2.5	U
Isopropylbenzene	98-82-8	5	ug/l	25	U	2.5	U	2.5	U
p-Isopropyltoluene	99-87-6	5	ug/l	25	U	2.5	U	2.5	U
Naphthalene	91-20-3	10	ug/l	25	U	9.6		0.85	J
n-Propylbenzene	103-65-1	5	ug/l	25	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	87-61-6	5	ug/l	25	U	2.5	U	2.5	U
1,2,4-Trichlorobenzene	120-82-1	5	ug/l	25	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene	108-67-8	5	ug/l	25	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	95-63-6	5	ug/l	25	U	2.5	U	2.5	U
1,4-Dioxane	123-91-1		ug/l	2500	U	250	U	250	U
p-Diethylbenzene	105-05-5		ug/l	8.3	J	2	U	0.94	J
p-Ethyltoluene	622-96-8		ug/l	20	U	2	U	2	U
1,2,4,5-Tetramethylbenzene	95-93-2	5	ug/l	11	J	2	U	1.4	J
Ethyl ether	60-29-7		ug/l	25	U	2.5	U	2.5	U
trans-1,4-Dichloro-2-butene	110-57-6	5	ug/l	25	U	2.5	U	2.5	U

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through
Exceeds NY-AWQS

Table 5
Soil Vapor Sample Results
406 Boston Post Road
Port Chester, NY

LOCATION							SV-1		SV-3		SV-4		SV-2R	
SAMPLING DATE							11/1/2019		11/1/2019		11/1/2019		11/1/2019	
LAB SAMPLE ID							L1952059-01		L1952059-02		L1952059-03		L1952059-04	
SAMPLE TYPE							SOIL VAPOR		SOIL VAPOR		SOIL VAPOR		SOIL VAPOR	
SAMPLE DEPTH (ft.)														
	CasNum	EPA-VISL	NY-SSC-A	NY-SSC-B	NY-SSC-C	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air														
Dichlorodifluoromethane	75-71-8	3480				ug/m3	1.98		6.68		2.12		1.02	
Chloromethane	74-87-3	3130				ug/m3	0.904		1.82		0.413	U	4.38	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2					ug/m3	2.8	U	1.4	U	1.4	U	1.4	U
Vinyl chloride	75-01-4	5.59				ug/m3	1.02	U	0.639		0.511	U	0.593	
1,3-Butadiene	106-99-0	3.12				ug/m3	29		21.8		6.46		135	
Bromomethane	74-83-9	174				ug/m3	1.55	U	0.777	U	0.777	U	0.777	U
Chloroethane	75-00-3	348000				ug/m3	1.06	U	0.528	U	0.528	U	0.85	
Ethyl Alcohol	64-17-5					ug/m3	18.8	U	59.5		181		116	
Vinyl bromide	593-60-2	2.92				ug/m3	1.75	U	0.874	U	0.874	U	0.874	U
Acetone	67-64-1	1070000				ug/m3	271		44.7		56.8		311	
Trichlorofluoromethane	75-69-4					ug/m3	2.25	U	1.12	U	1.24		1.12	U
iso-Propyl Alcohol	67-63-0	6950				ug/m3	6.61		1.46		2.48		5.97	
1,1-Dichloroethene	75-35-4	6950	6			ug/m3	1.59	U	0.793	U	0.793	U	0.793	U
tert-Butyl Alcohol	75-65-0					ug/m3	30.9		1.52	U	4.61		25.3	
Methylene chloride	75-09-2	3380		100		ug/m3	3.47	U	1.74	U	1.74	U	1.74	U
3-Chloropropene	107-05-1	15.6				ug/m3	1.25	U	0.626	U	0.626	U	0.626	U
Carbon disulfide	75-15-0	24300				ug/m3	6.38		198		41.4		26.9	
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	174000				ug/m3	3.07	U	1.53	U	1.53	U	1.53	U
trans-1,2-Dichloroethene	156-60-5					ug/m3	1.59	U	0.793	U	0.793	U	0.793	U
1,1-Dichloroethane	75-34-3	58.5				ug/m3	1.62	U	0.809	U	0.809	U	0.809	U
Methyl tert butyl ether	1634-04-4	360				ug/m3	1.44	U	0.721	U	0.721	U	0.721	U
2-Butanone	78-93-3	174000				ug/m3	493		4.51		4.93		157	
cis-1,2-Dichloroethene	156-59-2		6			ug/m3	1.59	U	0.793	U	0.793	U	0.793	U
Ethyl Acetate	141-78-6	2430				ug/m3	3.6	U	1.8	U	2.45		2.52	
Chloroform	67-66-3	4.07				ug/m3	9.23		0.977	U	2.22		0.977	U
Tetrahydrofuran	109-99-9	69500				ug/m3	451		2		5.78		71.4	
1,2-Dichloroethane	107-06-2	3.6				ug/m3	1.62	U	0.809	U	0.809	U	0.809	U
n-Hexane	110-54-3	24300				ug/m3	26.9		6.91		8		33.8	
1,1,1-Trichloroethane	71-55-6	174000		100		ug/m3	4.11		1.09	U	1.09	U	1.09	U
Benzene	71-43-2	12				ug/m3	10.3		1.76		2.6		18.2	
Carbon tetrachloride	56-23-5	15.6	6			ug/m3	2.52	U	1.26	U	1.26	U	1.26	U
Cyclohexane	110-82-7	209000				ug/m3	24.4		2.04		1.09		15.5	
1,2-Dichloropropane	78-87-5	25.3				ug/m3	1.85	U	0.924	U	0.924	U	0.924	U
Bromodichloromethane	75-27-4	2.53				ug/m3	2.68	U	1.34	U	1.34	U	1.34	U
Xylene (Total)	1330-20-7	3480				ug/m3	10.2		0.869	U	2.98		0.869	U
1,4-Dioxane	123-91-1	18.7				ug/m3	1.44	U	0.721	U	0.721	U	0.721	U
Trichloroethene	79-01-6	15.9	6			ug/m3	2.15	U	1.07	U	1.07	U	1.07	U
2,2,4-Trimethylpentane	540-84-1					ug/m3	1.87	U	1.18		0.934	U	10.1	
Heptane	142-82-5					ug/m3	15.7		0.82	U	1.42		5.04	
cis-1,3-Dichloropropene	10061-01-5					ug/m3	1.82	U	0.908	U	0.908	U	0.908	U
4-Methyl-2-pentanone	108-10-1	104000				ug/m3	15.7		2.05	U	2.05	U	2.05	U
trans-1,3-Dichloropropene	10061-02-6					ug/m3	1.82	U	0.908	U	0.908	U	0.908	U
1,1,2-Trichloroethane	79-00-5	5.85				ug/m3	2.18	U	1.09	U	1.09	U	1.09	U
Toluene	108-88-3	174000				ug/m3	13.3		1.04		2.25		1.8	
1,2-Dichloroethene (total)	540-59-0					ug/m3	1.59	U	0.793	U	0.793	U	0.793	U
2-Hexanone	591-78-6	1040				ug/m3	1.64	U	0.82	U	0.82	U	0.82	U
1,3-Dichloropropene, Total	542-75-6	23.4				ug/m3	1.82	U	0.908	U	0.908	U	0.908	U
Dibromochloromethane	124-48-1					ug/m3	3.41	U	1.7	U	1.7	U	1.7	U
1,2-Dibromoethane	106-93-4	0.156				ug/m3	3.07	U	1.54	U	1.54	U	1.54	U
Tetrachloroethene	127-18-4	360		100		ug/m3	16.7		1.36		1.36		1.36	
Chlorobenzene	108-90-7	1740				ug/m3	1.84	U	0.921	U	0.921	U	0.921	U
Ethylbenzene	100-41-4	37.4				ug/m3	1.99		0.869	U	0.869	U	0.869	U
p/m-Xylene	179601-23-1	3480				ug/m3	5.99		1.74	U	1.96		1.74	U
Bromoform	75-25-2	85.1				ug/m3	4.14	U	2.07	U	2.07	U	2.07	U
Styrene	100-42-5	34800				ug/m3	1.99		0.852	U	0.852	U	0.852	U
1,1,2,2-Tetrachloroethane	79-34-5	1.61				ug/m3	2.75	U	1.37	U	1.37	U	1.37	U
o-Xylene	95-47-6	3480				ug/m3	4.16		0.869	U	1.02		0.869	U
4-Ethyltoluene	622-96-8					ug/m3	1.97	U	0.983	U	0.983	U	0.983	U
1,3,5-Trimethylbenzene	108-67-8	2090				ug/m3	1.97	U	0.983	U	0.983	U	0.983	U
1,2,4-Trimethylbenzene	95-63-6	2090				ug/m3	5.11		0.983	U	2.29		0.983	U
Benzyl chloride	100-44-7	1.91				ug/m3	2.07	U	1.04	U	1.04	U	1.04	U
1,3-Dichlorobenzene	541-73-1					ug/m3	2.4	U	1.2	U	1.2	U	1.2	U
1,4-Dichlorobenzene	106-46-7	8.51				ug/m3	2.4	U	1.2	U	1.2	U	1.2	U
1,2-Dichlorobenzene	95-50-1	6950				ug/m3	2.4	U	1.2	U	1.2	U	1.2	U
1,2,4-Trichlorobenzene	120-82-1	69.5				ug/m3	2.97	U	1.48	U	1.48	U	1.48	U
Hexachlorobutadiene	87-68-3	4.25				ug/m3	4.27	U	2.13	U	2.13	U	2.13	U

* Comparison is not performed on parameters with non-numeric criteria.

EPA-VISL-RTSSGC-6: EPA VISL Default Residential Target Sub-Slab & Exterior Soil Gas Concentrations (TCR = 1E-06; THQ = 1) Criteria per VISL Calculator, Updated May 2019.

NY-SSC-A: New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-B: New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-C: New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

Exceeds EPA VISLs

APPENDIX A GPR REPORT



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Field Work Assignment And Ground Penetrating Radar (GPR) Survey Evaluation Report

Prepared For:

Jesse A. Mausner, PG, LSRP
Jonathan Stuart
SESI CONSULTING ENGINEERS
12A Maple Avenue
Pine Brook, NJ 07058

SESI Project No. 10920 – Phase #1

Site Location: 406 Boston Post Road, Port Chester, NY
EDC Project No. 190127

Prepared on November 1st, 2019

By:

A handwritten signature in black ink, appearing to read 'HT', is written over a light gray rectangular background.

Hanibal Tayeh, Ph.D
Operations Manager



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REPORT CONTENT

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1.0 EVALUATION REPORT

Date	November 1 st , 2019
Client	SESI CONSULTING ENGINEERS 12A Maple Avenue-Pine Brook, NJ 07058
Contact Name	Mr. Jesse A. Mausner, Project Manager; Jonathan Stuart
SESI Project No.	10920
Site Location	406 Boston Post Road, Port Chester, NY

1.1 INTRODUCTION

Enviro Drilling and Contracting, Inc. (Enviro Drilling) is a full Environmental/Geotechnical drilling, technological and site monitoring services company, with a staff that consists of qualified drillers, geologists and professional experienced engineers, to provide our clients with technical expertise and quality services. Enviro Drilling performed a Ground Penetrating Radar (GPR) survey and the soil borings development at the above referenced site in accordance with both our standard operating procedures (SOPs).

Note: The purpose of the GPR survey was to identify the presence of any subgrade anomalies and clear boring test locations prior to the excavation of the upper 2 feet of the Site.

1.2 DESCRIPTION OF FIELDWORK

- As shown in the GPR inspection analysis form below, the GPR survey was performed on October 30th, 2019 utilizing a GSSI SIR-3000 Control Unit and a 400-megahertz shielded antenna. The GPR takes one “scan” per set unit. The number of scans per unit is based upon the estimated sizes of targets. Based upon the typical size of underground drainage structures, the GPR was set to run at 50 scans per foot. As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The difference in amplitude obtained during each scan is then graphically displayed on the Control Unit, which are then interpreted by the GPR operator the time of the survey.
- Installed 21 soil borings to a various depths or refusal (10/30 & 10/31)
- Installed 2 temporary wells (10/30 & 10/31)
- Installed 4 soil vapors (11/01)

1.3 GPR RESULTS

No subgrade anomaly was detected during the survey.

1.4 EXCLUSIONS

Any GPR survey described above was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. Enviro Drilling and Contracting, Inc. does not accept responsibility for survey limitations due to inherent technological limitations or site-specific conditions, however, made appropriate effort to identify and notify the client of such limitations and conditions. In particular, please note that the survey described above does not represent a full utility clearance survey and does not relieve any party of applicable legal obligations to notify a utility one-call service prior to excavating or drilling.

1.5 REPORT VALIDATION

I, Hanibal C. Tayeh, attest that the data analysis displayed in this report exhibits, to the best of my knowledge, high degree of certainty. A specific instruction in regards of project scope of work and health and safety measures were given to the field tech team prior to mobilization by the operations management. This validation statement is based on specific criteria noted in Enviro Drilling standard operating procedures (SOPs).

Authorized by:



Hanibal C. Tayeh, Ph.D.
Operations Manager
Enviro Drilling and Contracting, Inc.



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2.0 GPR INSPECTION ANALYSIS FORM

Enviro Drilling has performed a Ground Penetrating Radar (GPR) survey at the below referenced site in accordance with our standard operating procedure (SOP). The purpose of the GPR survey was to identify the presence of any subgrade anomalies prior to the excavation of the upper 2 feet of the Site.

Date: 10/30/2019	Job Number: 190127	Project Manager: Jesse A. Mausner
Site Address: 406 Boston Post Road, Port Chester, NY		
Current Use of Site: No Information		
Client Information: SESI CONSULTING ENGINEERS-12A Maple Avenue-Pine Brook, NJ 07058		
Client Contact Name: Jonathan Stuart		
Field GPR Professional (s): Jorge Pineda		
Start Time: 9:00AM	End Time: 10:00 AM	
Equipment Used: GSSI SIR-3000 Control Unit; 400-megahertz shielded antenna		
ENVIRONMENTAL ISSUES:		
Are there currently any storage tanks (above or underground) located on-site? NO		
Have there previously been any storage tanks (above or underground) located on-site? NO		
Are there currently any monitoring wells located on-site? NO		
Have there previously been any monitoring wells located on-site? NO		
ANOMALY #1 Non-Detected		
Size: N/A		
Approximate Location: N/A		
Details: N/A		
<i>Sketch #1</i>		

Operations Management Authorization:

Date: 10/30/2019

3.0 GPR PHOTO



Figure – 1



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4.0 FIELD WORK ASSIGNMENT FORM

Date: 10/30, 10/31 & 11/01 2019	Job Number: 190127	Project Manager: Jesse A. Mausner
Site Address: 406 Boston Post Road, Port Chester, NY		
Client Information: SESI CONSULTING ENGINEERS-12A Maple Avenue-Pine Brook, NJ 07058		
Client Contact Name: Jesse A. Mausner and Jonathan Stuart		

Field Technician (s)	Jorge Pineda	
	Boruch Van Halem	
Arrival Time: 08:00AM		Departure Time: 3:00PM
Vehicle (s) Used	Equipment Used	4.
	1. Geoprobe 6620DT	5.
T6 Truck	2. GPR	6.
	3.	7.

Scope of Work: - Installed 21 soil borings to a various depths or refusal (10/30 & 10/31) - Installed 2 temporary wells (10/30 & 10/31) - Installed 4 soil vapors (11/01)	Check and Date if Completed
	GPR
	Yes ☒ N/A ☐ 10/30/2019
	811 Public Markout
	Yes ☒ N/A ☐ 10/22/2019
	Sidewalk
	Yes ☐ N/A ☒ / /
	NYCT Tunnel or Highlined within 200ft
	Yes ☐ N/A ☒ / /

Quality Assurance Issues: No quality assurance nor quality control issues have been reported.	
Was the Decontamination Procedure Followed?	Yes ☒ No ☐ N/A ☐ Field Tech Initial: JP
Health & Safety Issues: None	

Field Team Comments: None
Operations Management Comments: The project has been conducted in accordance with Enviro Drilling Standard Operating procedure. Thus, initial communication with SESI in response to project logistics planning and preparation, was instrumental to complete our field work.

Operations Management Authorization:

Date: 11/01/2019

5.0 APPLICATION PHOTOS



Figure – 2a



Figure - 2b

APPENDIX B

Boring Logs

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-1	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
			1					0
	50	1		3	S-1(2.5-3)	FILL Brown-black coarse to fine SAND, little Clay, trace Silt with some brick		0
			3					0
5								0
	10	2		6		Light brown coarse to fine SAND and Gravel with cobbles and weathered rock		0
10								
15								
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-2	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: ±10 Feet	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
			1					0
	46	1		3		Gray-black coarse to fine SAND, some Clay, little Silt		0
			3					0
5				5		Gray-brown coarse to fine SAND, little Silt, trace coarse to fine Gravel		0
			5					18
								29
	48	2				(Fuel odor)		59
								117
10				10	S-2 (9.5-10)	Gray-brown coarse to fine SAND, some Silt, trace coarse to fine Gravel		206
			10			(Wet)		150
								137
	42	3						117
								120
15				15		Gray-brown coarse to fine SAND and Gravel, fuel odor with sheen on the water		111
						Boring Complete at ±15 Feet BGS (Temp well installed)		
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-3	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
			1					0
	36	1						0
5				5		FILL Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel with Brick, Boulders, and Cobbles		0
								1.2
			5					0
								0
10			40	2				0
								0
								0
								0
								0
	46	3						0
								0
15					S-3 (13.5-14)			1.4
								3.8
								1.2
				16		Light brown coarse to fine Sand and Gravel with Boulders and Weathered Rock		0
20						Boring Complete at ±16 Feet BGS (Refusal)		
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

				PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-4	
				LOCATION: Port Chester, NY		JOB NO. 10920	
				METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling				DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS				DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	
0			0	1		Asphalt	0
5	40	1	1	3	S-4 (2-2.5)	Brown-black coarse to fine SAND, some Silt, little Clay	0
			3	5		Light brown coarse to fine SAND, some Clay, little coarse to fine Gravel	0
			5	7		Light brown-orange coarse to fine SAND, some Silt, little Clay	0
			7				0
10	55	2					0
							0
							0
							0
15	53	3				(Weathered rock)	0
							0
							0
							0
20	26	4		18		Light brown coarse to fine SAND, some coarse to fine Gravel, little Silt with bands of weathered rock	0
							0
							0
							0
25							
30							
35							
40							

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1½ in.	
Pp: Pocket Penetrometer; DP: Direct Push		

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-5	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
5			1					0
	10	1						0
								0
				5		Brown coarse to fine SAND and Gravel, 3/4" stone		0
10			5					0
								0
	28	2			(Wet from 5-7' possible perched water)		0	
							0	
15								0.8
	30	3			S-5 (11.5-12)			3.9
				13		Brown coarse to fine SAND, some Silt, little Clay		2.4
						Boring Complete at ±13 Feet BGS (Refusal)		
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-6	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0					0
								0
	24	1						40.1
								1.8
5				5		FILL Brown coarse to fine SAND, little Silt, trace Clay with Brick and Cobbles		0
			5					0
								33.2
	20	2						48.1
								35.6
10					S-6 (9.5-10)			55.1
								28.7
								19.5
	12	3		13		Brown coarse to fine SAND, some Silt, trace Clay		0
15						Boring complete at ±13 Feet BGS (Refusal)		
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-7	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
			1					0
	28	1		3		Brown coarse to fine SAND, some coarse to fine Gravel, little Silt		0
			3					0
5				5	S-7 (4.5-5)	Dark brown coarse to fine SAND, some Silt, little Clay		3.6
			5					0
								0
	42	2						1.1
								2.4
10								0
								0
						(Weathered rock)		0
	44	3						0
								0
15				15		Brown coarse to fine SAND, some Silt, trace Clay with weathered rock		0
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-8	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0					0
								0
	35	1						0
				4	S-8 (3.5-4)	Brown coarse to fine SAND, some Silt, trace Clay		0
5			4	5		Chunks of weathered rock		0
						Boring complete at ±5 Feet BGS (Refusal)		
10								
15								
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-9	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: ±6 Feet	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
			1					0
	30	1						0
5				5		FILL Brown coarse to fine SAND, little Silt, trace Clay with some Brick, Wood		0
						(Wet)		1.8
			5					2.3
					S-9 (6.5-7)			17.8
	36	2						9.5
								10.6
10								6.9
								0
	30	3						0
				13		Brown coarse to fine SAND, some Silt, trace Clay		0
15						Boring Complete at ±13 Feet BGS (Refusal)		
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-10	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
5			1					0
	40	1			S-10 (2-2.5)			0
								0
								0
10	10	2		6		Light brown coarse to fine SAND, little Silt, trace Clay		0
						Boring Complete at ±6 Feet BGS (Refusal)		
15								
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-11	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/30/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/30/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
5			1					0
	22	1						0
								0
					S-11 (4.5-5)			0
10				6		FILL Brown coarse to fine SAND, some Silt, trace Clay with some Brick throughout		0
			6					0
	46	2						0
								0
15								0
	24	3		12		Brown coarse to fine Sand and Gravel, bands of weathered rock throughout		0
								0
								0
20								0
								0
								0
								0
25								0
								0
								0
								0
30								0
								0
								0
								0
35								0
								0
								0
								0
40								0
								0
								0
								0

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-12	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/31/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/31/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
5	48	1	1	3	S-12 (2.5-3)	Dark brown coarse to fine SAND, some Silt, trace Clay		0
			3	5		Light brown coarse to fine SAND, little Silt, trace coarse to fine Gravel		0
			5					0
			30	2		9	Light brown coarse to fine SAND, some coarse to fine Gravel with bands of weathered rock throughout	
10					Boring Complete at ±9 Feet BGS (Refusal)			
15								
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

				PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-13	
				LOCATION: Port Chester, NY		JOB NO. 10920	
				METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling				DATE STARTED: 10/31/19		GROUNDWATER TABLE DEPTH: ±7'	
INSPECTOR: JCS				DATE COMPLETED: 10/31/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	
0			0	1		Asphalt	
5			1				
	50	1					
10				6	S-13 (5.5-6)	FILL Black-brown coarse to fine SAND, some Silt, little Clay with some Brick throughout	
			6			(wet)	
	46	2					
				9		Gray-brown coarse to fine SAND, some Silt, trace Clay	
15			9				
	48	3					
				15		Gray-brown coarse to fine SAND, little coarse to fine Gravel, trace Silt	
20						Boring Complete at ±15 Feet BGS (Temp well installed)	
25							
30							
35							
40							

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1½ in	
Pp: Pocket Penetrometer; DP: Direct Push		

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

				PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-14	
				LOCATION: Port Chester, NY		JOB NO. 10920	
				METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling				DATE STARTED: 10/31/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS				DATE COMPLETED: 10/31/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	
0			0				
5							
	32	1					
10						(Start of weathered rock)	
	36	2					
				9	S-14 (8.5-9)	Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt with bands of weathered rock throughout	
15						Boring Complete at ±9 Feet BGS (Refusal)	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1½ in.	
Pp: Pocket Penetrometer; DP: Direct Push		

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

				PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-15		
				LOCATION: Port Chester, NY		JOB NO. 10920		
				METHOD: Direct Push		GROUND ELEVATION: NA		
GEOPROBE BY: Envirodilling				DATE STARTED: 10/31/19		GROUNDWATER TABLE DEPTH: NE		
INSPECTOR: JCS				DATE COMPLETED: 10/31/19		0 Hr.	24 Hr.	
DEPTH (ft)		RECOVERY (in)	SAMPLE TUBE No.	DEPTH		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
				FROM (ft)	TO (ft)			
0				0				0
5								0
	30	1						0
								0
								0
10								0
	46	2					(Start of weathered rock)	0
								0
								0
15	20	3		12	S-15 (11.5-12)	Light brown coarse to fine SAND, little coarse to fine Gravel, trace Silt with bands of weathered rock throughout		0
						Boring Complete at 12 Feet BGS (Refusal)		0
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

				PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-16	
				LOCATION: Port Chester, NY		JOB NO. 10920	
				METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling				DATE STARTED: 10/31/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS				DATE COMPLETED: 10/31/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	
0			0			PID	
5						0	
						0	
	42	1			(start of weathered rock)	0	
						0	
10						0	
						0	
	48	2			S-16 (8.5-9)	0	
						0	
15						0	
	30	3				0	
				13	Light brown coarse to fine SAND, some coarse to fine Gravel, trace Silt with bands of weathered rock	0	
						0	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	

Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

				PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-17	
				LOCATION: Port Chester, NY		JOB NO. 10920	
				METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling				DATE STARTED: 10/31/19		GROUNDWATER TABLE DEPTH: ±11'	
INSPECTOR: JCS				DATE COMPLETED: 10/31/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0			0				0
							0
	40	1					0
5					S-17 (3-3.5)		0
							0
							0
				7		FILL Brown coarse to fine SAND, some coarse to fine Gravel, little Silt with Brick, Concrete throughout	0
10						(Weathered rock)	0
							0
							0
						(Wet)	0
							0
	28	3		13		Brown coarse to fine SAND, some coarse to fine Gravel, with bands of weathered rock throughout	0
15							
						Boring Complete at ±13 Feet BGS (Refusal)	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-18	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/31/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/31/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
5			1					0
	42	1						0
				5	S-18 (3.5-4)	FILL Black-brown coarse to fine SAND, some coarse to fine Gravel, little Silt with Brick and Concrete throughout		0
								0
10			5					0
								0
	38	2				Light brown coarse to fine Sand and Gravel with bands of weathered rock throughout		0
				9				0
15						Boring Complete at ±9 Feet BGS (Refusal)		
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

Page 1 of 1

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-19	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/31/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/31/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
5			1					0
	36	1						0
				5		FILL Light brown coarse to fine SAND, some Silt, trace Clay with Brick		0
								0
10			5					0
								0
	42	2						0
						(Fuel odor)		22
15					S-19 (10.5-11)	Light brown coarse to fine Sand and Gravel with bands of weathered rock throughout		118
	32	3		12				102
			12			Light brown coarse to fine SAND, some Silt, little Clay with weathered rock		19
				14	S-19 (13.5-14)			17
20						Boring Complete at ±14 Feet BGS (Refusal)		
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1½ in.	
Pp: Pocket Penetrometer; DP: Direct Push		

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

					PROJECT NAME: Port Chester Hospital		GEOPROBE NO. S-20	
					LOCATION: Port Chester, NY		JOB NO. 10920	
					METHOD: Direct Push		GROUND ELEVATION: NA	
GEOPROBE BY: Envirodilling					DATE STARTED: 10/31/19		GROUNDWATER TABLE DEPTH: NE	
INSPECTOR: JCS					DATE COMPLETED: 10/31/19		0 Hr.	24 Hr.
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM TO (ft) (ft)		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION		PID
0			0	1		Asphalt		0
5			1					0
	36	1						0
					S-20 (3.5-4)			0
				5		FILL Brown coarse to fine Sand and Gravel with Brick		0
10	10	2	5	6		Brown coarse to fine SAND, some Gravel, little Silt with rock bands		0
						Boring Complete at ±6 Feet BGS (Refusal)		
15								
20								
25								
30								
35								
40								

Nominal I.D. of Hole	in.	The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted.
Nominal I.D. of Barrel Sampler	1 3/8 in.	
		Pp: Pocket Penetrometer; DP: Direct Push

Approximate Change in Strata: _____ Inferred Change in Strata: _____

Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

FIGURE

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APPENDIX C
Laboratory Results
(Electronic)



ANALYTICAL REPORT

Lab Number:	L1951298
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	10920
Report Date:	11/06/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1951298-01	S-1 (2.5-3)	SOIL	PORTCHESTER, NY	10/30/19 09:00	10/30/19
L1951298-02	S-2 (9.5-10)	SOIL	PORTCHESTER, NY	10/30/19 09:30	10/30/19
L1951298-03	S-3 (13.5-14)	SOIL	PORTCHESTER, NY	10/30/19 10:05	10/30/19
L1951298-04	S-4 (2-2.5)	SOIL	PORTCHESTER, NY	10/30/19 10:50	10/30/19
L1951298-05	S-5 (11.5-12)	SOIL	PORTCHESTER, NY	10/30/19 11:30	10/30/19
L1951298-06	S-6 (9.5-10)	SOIL	PORTCHESTER, NY	10/30/19 11:45	10/30/19
L1951298-07	S-7 (4.5-5)	SOIL	PORTCHESTER, NY	10/30/19 12:20	10/30/19
L1951298-08	S-8 (3.5-4)	SOIL	PORTCHESTER, NY	10/30/19 13:00	10/30/19
L1951298-09	S-9 (6.5-7)	SOIL	PORTCHESTER, NY	10/30/19 13:20	10/30/19
L1951298-10	S-10 (2-2.5)	SOIL	PORTCHESTER, NY	10/30/19 13:50	10/30/19
L1951298-11	S-11 (4.5-5)	SOIL	PORTCHESTER, NY	10/30/19 14:10	10/30/19
L1951298-12	TW-1	WATER	PORTCHESTER, NY	10/30/19 14:30	10/30/19

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

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

L1951298-12: The analysis of Dissolved Metals was performed at the client's request.

Volatile Organics

L1951298-02 and -06: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1951298-12: The sample has elevated detection limits due to the dilution required by the sample matrix (oily).

Semivolatile Organics

The WG1303639-2/-3 LCS/LCSD recoveries, associated with L1951298-01 through -11, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Semivolatile Organics by SIM

L1951298-12: The sample has elevated detection limits due to the dilution required by the sample matrix.

NJ EPH

L1951298-06: The surrogate recoveries are below the acceptance criteria for chloro-octadecane (0%) and o-terphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

WG1304493: An MS was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Case Narrative (continued)

Total Metals

L1951298-01 through -11: 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 WG1303636-3 MS recoveries for aluminum (145%), iron (0%), magnesium (32%), and manganese (0%), performed on L1951298-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1303636-3 MS recoveries, performed on L1951298-01, are outside the acceptance criteria for calcium (0%), chromium (66%), and zinc (140%). A post digestion spike was performed and was within acceptance criteria.

The WG1303636-4 Laboratory Duplicate RPDs for calcium (50%), copper (75%), lead (25%), and zinc (29%), performed on L1951298-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

Cyanide, Total

The WG1302980-2/-3 LCS/LCSD recoveries (56%/49%), associated with L1951298-01 through -08, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1302984-2/-3 LCS/LCSD recoveries (55%/48%), associated with L1951298-09, -10, and -11, 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:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 11/06/19

ORGANICS

VOLATILES

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01
 Client ID: S-1 (2.5-3)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/04/19 10:53
 Analyst: JC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01
 Client ID: S-1 (2.5-3)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01

Date Collected: 10/30/19 09:00

Client ID: S-1 (2.5-3)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Tentatively Identified Compounds

Total TIC Compounds	5.18	J	ug/kg	1
Unknown Naphthalene	2.92	J	ug/kg	1
Unknown Naphthalene	2.26	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	112		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-02 D

Date Collected: 10/30/19 09:30

Client ID: S-2 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 11/04/19 10:02

Analyst: MV

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1100	510	4
1,1-Dichloroethane	ND		ug/kg	220	32.	4
Chloroform	ND		ug/kg	330	31.	4
Carbon tetrachloride	ND		ug/kg	220	51.	4
1,2-Dichloropropane	ND		ug/kg	220	28.	4
Dibromochloromethane	ND		ug/kg	220	31.	4
1,1,2-Trichloroethane	ND		ug/kg	220	59.	4
Tetrachloroethene	ND		ug/kg	110	44.	4
Chlorobenzene	ND		ug/kg	110	28.	4
Trichlorofluoromethane	ND		ug/kg	890	150	4
1,2-Dichloroethane	ND		ug/kg	220	57.	4
1,1,1-Trichloroethane	ND		ug/kg	110	37.	4
Bromodichloromethane	ND		ug/kg	110	24.	4
trans-1,3-Dichloropropene	ND		ug/kg	220	61.	4
cis-1,3-Dichloropropene	ND		ug/kg	110	35.	4
1,3-Dichloropropene, Total	ND		ug/kg	110	35.	4
1,1-Dichloropropene	ND		ug/kg	110	35.	4
Bromoform	ND		ug/kg	890	55.	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	110	37.	4
Benzene	ND		ug/kg	110	37.	4
Toluene	ND		ug/kg	220	120	4
Ethylbenzene	ND		ug/kg	220	31.	4
Chloromethane	ND		ug/kg	890	210	4
Bromomethane	ND		ug/kg	440	130	4
Vinyl chloride	ND		ug/kg	220	74.	4
Chloroethane	ND		ug/kg	440	100	4
1,1-Dichloroethene	ND		ug/kg	220	53.	4
trans-1,2-Dichloroethene	ND		ug/kg	330	30.	4

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-02 D

Date Collected: 10/30/19 09:30

Client ID: S-2 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	110	30.	4
1,2-Dichlorobenzene	ND		ug/kg	440	32.	4
1,3-Dichlorobenzene	ND		ug/kg	440	33.	4
1,4-Dichlorobenzene	ND		ug/kg	440	38.	4
Methyl tert butyl ether	ND		ug/kg	440	45.	4
p/m-Xylene	ND		ug/kg	440	120	4
o-Xylene	ND		ug/kg	220	65.	4
Xylenes, Total	ND		ug/kg	220	65.	4
cis-1,2-Dichloroethene	ND		ug/kg	220	39.	4
1,2-Dichloroethene, Total	ND		ug/kg	220	30.	4
Dibromomethane	ND		ug/kg	440	53.	4
Styrene	ND		ug/kg	220	44.	4
Dichlorodifluoromethane	ND		ug/kg	2200	200	4
Acetone	ND		ug/kg	2200	1100	4
Carbon disulfide	ND		ug/kg	2200	1000	4
2-Butanone	ND		ug/kg	2200	490	4
Vinyl acetate	ND		ug/kg	2200	480	4
4-Methyl-2-pentanone	ND		ug/kg	2200	280	4
1,2,3-Trichloropropane	ND		ug/kg	440	28.	4
2-Hexanone	ND		ug/kg	2200	260	4
Bromochloromethane	ND		ug/kg	440	46.	4
2,2-Dichloropropane	ND		ug/kg	440	45.	4
1,2-Dibromoethane	ND		ug/kg	220	62.	4
1,3-Dichloropropane	ND		ug/kg	440	37.	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	110	29.	4
Bromobenzene	ND		ug/kg	440	32.	4
n-Butylbenzene	260		ug/kg	220	37.	4
sec-Butylbenzene	1400		ug/kg	220	32.	4
tert-Butylbenzene	140	J	ug/kg	440	26.	4
o-Chlorotoluene	ND		ug/kg	440	42.	4
p-Chlorotoluene	ND		ug/kg	440	24.	4
1,2-Dibromo-3-chloropropane	ND		ug/kg	670	220	4
Hexachlorobutadiene	ND		ug/kg	890	38.	4
Isopropylbenzene	ND		ug/kg	220	24.	4
p-Isopropyltoluene	ND		ug/kg	220	24.	4
Naphthalene	ND		ug/kg	890	140	4
Acrylonitrile	ND		ug/kg	890	260	4

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-02 D

Date Collected: 10/30/19 09:30

Client ID: S-2 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	220	38.	4
1,2,3-Trichlorobenzene	ND		ug/kg	440	72.	4
1,2,4-Trichlorobenzene	ND		ug/kg	440	60.	4
1,3,5-Trimethylbenzene	ND		ug/kg	440	43.	4
1,2,4-Trimethylbenzene	ND		ug/kg	440	74.	4
1,4-Dioxane	ND		ug/kg	18000	7800	4
p-Diethylbenzene	960		ug/kg	440	39.	4
p-Ethyltoluene	ND		ug/kg	440	85.	4
1,2,4,5-Tetramethylbenzene	2900		ug/kg	440	42.	4
Ethyl ether	ND		ug/kg	440	76.	4
trans-1,4-Dichloro-2-butene	ND		ug/kg	1100	320	4

Tentatively Identified Compounds

Total TIC Compounds	111000	J	ug/kg	4
Unknown	10600	J	ug/kg	4
Unknown	12600	J	ug/kg	4
Cyclohexane, pentyl-	15100	NJ	ug/kg	4
Unknown	8760	J	ug/kg	4
Unknown Alkane	9130	J	ug/kg	4
Unknown	14200	J	ug/kg	4
Unknown	12600	J	ug/kg	4
Unknown	8260	J	ug/kg	4
Unknown	8940	J	ug/kg	4
Unknown	10500	J	ug/kg	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	111		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-03
 Client ID: S-3 (13.5-14)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:05
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/04/19 11:44
 Analyst: MV
 Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-03
 Client ID: S-3 (13.5-14)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:05
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.87	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-03
 Client ID: S-3 (13.5-14)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:05
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	113		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-04
 Client ID: S-4 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/04/19 12:10
 Analyst: MV
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	0.21	J	ug/kg	1.5	0.13	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-04
 Client ID: S-4 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	0.21	J	ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-04

Date Collected: 10/30/19 10:50

Client ID: S-4 (2-2.5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-05
 Client ID: S-5 (11.5-12)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/04/19 12:35
 Analyst: MV
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-05
 Client ID: S-5 (11.5-12)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	16		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS****Lab ID:** L1951298-05**Date Collected:** 10/30/19 11:30**Client ID:** S-5 (11.5-12)**Date Received:** 10/30/19**Sample Location:** PORTCHESTER, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Tentatively Identified Compounds

Total TIC Compounds	10.6	J	ug/kg	1
Unknown	2.05	J	ug/kg	1
Unknown	2.84	J	ug/kg	1
Unknown Benzene	3.47	J	ug/kg	1
Unknown Aromatic	2.24	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	114		70-130

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-06 D

Date Collected: 10/30/19 11:45

Client ID: S-6 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 11/04/19 10:27

Analyst: MV

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	590	270	2
1,1-Dichloroethane	ND		ug/kg	120	17.	2
Chloroform	ND		ug/kg	180	16.	2
Carbon tetrachloride	ND		ug/kg	120	27.	2
1,2-Dichloropropane	ND		ug/kg	120	15.	2
Dibromochloromethane	ND		ug/kg	120	16.	2
1,1,2-Trichloroethane	ND		ug/kg	120	31.	2
Tetrachloroethene	ND		ug/kg	59	23.	2
Chlorobenzene	ND		ug/kg	59	15.	2
Trichlorofluoromethane	ND		ug/kg	470	82.	2
1,2-Dichloroethane	ND		ug/kg	120	30.	2
1,1,1-Trichloroethane	ND		ug/kg	59	20.	2
Bromodichloromethane	ND		ug/kg	59	13.	2
trans-1,3-Dichloropropene	ND		ug/kg	120	32.	2
cis-1,3-Dichloropropene	ND		ug/kg	59	19.	2
1,3-Dichloropropene, Total	ND		ug/kg	59	19.	2
1,1-Dichloropropene	ND		ug/kg	59	19.	2
Bromoform	ND		ug/kg	470	29.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	59	20.	2
Benzene	ND		ug/kg	59	20.	2
Toluene	ND		ug/kg	120	64.	2
Ethylbenzene	190		ug/kg	120	17.	2
Chloromethane	ND		ug/kg	470	110	2
Bromomethane	ND		ug/kg	240	68.	2
Vinyl chloride	ND		ug/kg	120	39.	2
Chloroethane	ND		ug/kg	240	53.	2
1,1-Dichloroethene	ND		ug/kg	120	28.	2
trans-1,2-Dichloroethene	ND		ug/kg	180	16.	2

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-06 D

Date Collected: 10/30/19 11:45

Client ID: S-6 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	59	16.	2
1,2-Dichlorobenzene	ND		ug/kg	240	17.	2
1,3-Dichlorobenzene	ND		ug/kg	240	17.	2
1,4-Dichlorobenzene	ND		ug/kg	240	20.	2
Methyl tert butyl ether	ND		ug/kg	240	24.	2
p/m-Xylene	71	J	ug/kg	240	66.	2
o-Xylene	ND		ug/kg	120	34.	2
Xylenes, Total	71	J	ug/kg	120	34.	2
cis-1,2-Dichloroethene	ND		ug/kg	120	21.	2
1,2-Dichloroethene, Total	ND		ug/kg	120	16.	2
Dibromomethane	ND		ug/kg	240	28.	2
Styrene	ND		ug/kg	120	23.	2
Dichlorodifluoromethane	ND		ug/kg	1200	110	2
Acetone	ND		ug/kg	1200	570	2
Carbon disulfide	ND		ug/kg	1200	540	2
2-Butanone	ND		ug/kg	1200	260	2
Vinyl acetate	ND		ug/kg	1200	250	2
4-Methyl-2-pentanone	ND		ug/kg	1200	150	2
1,2,3-Trichloropropane	ND		ug/kg	240	15.	2
2-Hexanone	ND		ug/kg	1200	140	2
Bromochloromethane	ND		ug/kg	240	24.	2
2,2-Dichloropropane	ND		ug/kg	240	24.	2
1,2-Dibromoethane	ND		ug/kg	120	33.	2
1,3-Dichloropropane	ND		ug/kg	240	20.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	59	16.	2
Bromobenzene	ND		ug/kg	240	17.	2
n-Butylbenzene	380		ug/kg	120	20.	2
sec-Butylbenzene	530		ug/kg	120	17.	2
tert-Butylbenzene	18	J	ug/kg	240	14.	2
o-Chlorotoluene	ND		ug/kg	240	22.	2
p-Chlorotoluene	ND		ug/kg	240	13.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	350	120	2
Hexachlorobutadiene	ND		ug/kg	470	20.	2
Isopropylbenzene	77	J	ug/kg	120	13.	2
p-Isopropyltoluene	87	J	ug/kg	120	13.	2
Naphthalene	4000		ug/kg	470	77.	2
Acrylonitrile	ND		ug/kg	470	140	2

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-06 D

Date Collected: 10/30/19 11:45

Client ID: S-6 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	220		ug/kg	120	20.	2
1,2,3-Trichlorobenzene	ND		ug/kg	240	38.	2
1,2,4-Trichlorobenzene	ND		ug/kg	240	32.	2
1,3,5-Trimethylbenzene	67	J	ug/kg	240	23.	2
1,2,4-Trimethylbenzene	760		ug/kg	240	39.	2
1,4-Dioxane	ND		ug/kg	9400	4100	2
p-Diethylbenzene	780		ug/kg	240	21.	2
p-Ethyltoluene	220	J	ug/kg	240	45.	2
1,2,4,5-Tetramethylbenzene	2300		ug/kg	240	22.	2
Ethyl ether	ND		ug/kg	240	40.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	590	170	2

Tentatively Identified Compounds

Total TIC Compounds	59900	J	ug/kg	2
Unknown Aromatic	7540	J	ug/kg	2
Unknown Naphthalene	4980	J	ug/kg	2
Unknown Aromatic	5220	J	ug/kg	2
Unknown Aromatic	8730	J	ug/kg	2
Unknown Aromatic	5030	J	ug/kg	2
Unknown Naphthalene	4590	J	ug/kg	2
Unknown Naphthalene	6650	J	ug/kg	2
Unknown Aromatic	6480	J	ug/kg	2
Unknown Aromatic	5960	J	ug/kg	2
Unknown	4750	J	ug/kg	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	112		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-07
 Client ID: S-7 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 12:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/04/19 13:01
 Analyst: MV
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	1.1		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.20	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-07
 Client ID: S-7 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 12:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS****Lab ID:** L1951298-07**Date Collected:** 10/30/19 12:20**Client ID:** S-7 (4.5-5)**Date Received:** 10/30/19**Sample Location:** PORTCHESTER, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	113		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-08
 Client ID: S-8 (3.5-4)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/04/19 13:27
 Analyst: MV
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.15	1
Benzene	ND		ug/kg	0.47	0.15	1
Toluene	ND		ug/kg	0.93	0.51	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-08
 Client ID: S-8 (3.5-4)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	ND		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-08
 Client ID: S-8 (3.5-4)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	113		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-09
 Client ID: S-9 (6.5-7)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/04/19 13:52
 Analyst: MV
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.11	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	0.48	J	ug/kg	1.4	0.12	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-09
 Client ID: S-9 (6.5-7)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	0.48	J	ug/kg	0.92	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.91	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.15	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.0	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-09
 Client ID: S-9 (6.5-7)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	73	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	0.26	J	ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	116		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-10
 Client ID: S-10 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/04/19 14:18
 Analyst: MV
 Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.19	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	0.29	J	ug/kg	1.4	0.13	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-10
 Client ID: S-10 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	0.29	J	ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-10
 Client ID: S-10 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-11
 Client ID: S-11 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 14:10
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/04/19 14:44
 Analyst: MV
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.0	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-11
 Client ID: S-11 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 14:10
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.21	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.14	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-11

Date Collected: 10/30/19 14:10

Client ID: S-11 (4.5-5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	114		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-12 D

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 11/05/19 03:24

Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	ND		ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.4	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.7	10
Benzene	ND		ug/l	5.0	1.6	10
Toluene	ND		ug/l	25	7.0	10
Ethylbenzene	ND		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.71	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-12 D

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	ND		ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	ND		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	38	J	ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	32	J	ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	ND		ug/l	25	7.0	10

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-12 D

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	ND		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	ND		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	610	10
p-Diethylbenzene	8.3	J	ug/l	20	7.0	10
p-Ethyltoluene	ND		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	11	J	ug/l	20	5.4	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Tentatively Identified Compounds

Total TIC Compounds	108	J	ug/l	10
Sulfur Dioxide	20.3	NJ	ug/l	10
Unknown Aromatic	12.2	J	ug/l	10
Unknown Naphthalene	17.4	J	ug/l	10
Unknown Benzene	15.3	J	ug/l	10
Unknown Aromatic	17.9	J	ug/l	10
Unknown Aromatic	13.0	J	ug/l	10
Unknown Aromatic	11.9	J	ug/l	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/19 07:54
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,06 Batch: WG1304246-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/19 07:54
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,06 Batch: WG1304246-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/19 07:54
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,06 Batch: WG1304246-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	37	J	ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	27	J	ug/kg	100	16.
1,2,4-Trichlorobenzene	20	J	ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds

Total TIC Compounds	103	J	ug/kg
Unknown	103	J	ug/kg

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/04/19 07:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02,06 Batch: WG1304246-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/19 07:54
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05,07-11 Batch: WG1304252-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/19 07:54
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05,07-11 Batch: WG1304252-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/19 07:54
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05,07-11 Batch: WG1304252-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	0.75	J	ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	0.55	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.41	J	ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

Total TIC Compounds	2.06	J	ug/kg
Unknown	2.06	J	ug/kg

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/04/19 07:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05,07-11 Batch: WG1304252-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	111		70-130

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/19 19:44
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1304728-5					
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
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
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

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/19 19:44
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1304728-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
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
Vinyl acetate	ND		ug/l	5.0	1.0
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
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/04/19 19:44
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1304728-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: Not Specified**Project Number:** 10920**Lab Number:** L1951298**Report Date:** 11/06/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/04/19 19:44
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1304728-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,06 Batch: WG1304246-3 WG1304246-4								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	103		101		70-130	2		30
Chloroform	116		116		70-130	0		30
Carbon tetrachloride	132	Q	132	Q	70-130	0		30
1,2-Dichloropropane	97		96		70-130	1		30
Dibromochloromethane	115		117		70-130	2		30
1,1,2-Trichloroethane	98		100		70-130	2		30
Tetrachloroethene	109		112		70-130	3		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	123		121		70-139	2		30
1,2-Dichloroethane	123		124		70-130	1		30
1,1,1-Trichloroethane	124		124		70-130	0		30
Bromodichloromethane	118		118		70-130	0		30
trans-1,3-Dichloropropene	114		114		70-130	0		30
cis-1,3-Dichloropropene	114		115		70-130	1		30
1,1-Dichloropropene	111		110		70-130	1		30
Bromoform	116		118		70-130	2		30
1,1,2,2-Tetrachloroethane	87		88		70-130	1		30
Benzene	101		101		70-130	0		30
Toluene	101		100		70-130	1		30
Ethylbenzene	102		103		70-130	1		30
Chloromethane	66		61		52-130	8		30
Bromomethane	106		102		57-147	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,06 Batch: WG1304246-3 WG1304246-4								
Vinyl chloride	87		82		67-130	6		30
Chloroethane	104		99		50-151	5		30
1,1-Dichloroethene	106		105		65-135	1		30
trans-1,2-Dichloroethene	110		108		70-130	2		30
Trichloroethene	112		111		70-130	1		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	105		106		70-130	1		30
1,4-Dichlorobenzene	104		103		70-130	1		30
Methyl tert butyl ether	123		125		66-130	2		30
p/m-Xylene	103		104		70-130	1		30
o-Xylene	103		105		70-130	2		30
cis-1,2-Dichloroethene	112		112		70-130	0		30
Dibromomethane	117		118		70-130	1		30
Styrene	109		110		70-130	1		30
Dichlorodifluoromethane	75		73		30-146	3		30
Acetone	111		106		54-140	5		30
Carbon disulfide	93		92		59-130	1		30
2-Butanone	90		86		70-130	5		30
Vinyl acetate	93		94		70-130	1		30
4-Methyl-2-pentanone	98		101		70-130	3		30
1,2,3-Trichloropropane	96		98		68-130	2		30
2-Hexanone	90		89		70-130	1		30
Bromochloromethane	120		121		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,06 Batch: WG1304246-3 WG1304246-4								
2,2-Dichloropropane	125		124		70-130	1		30
1,2-Dibromoethane	109		112		70-130	3		30
1,3-Dichloropropane	99		101		69-130	2		30
1,1,1,2-Tetrachloroethane	111		112		70-130	1		30
Bromobenzene	104		105		70-130	1		30
n-Butylbenzene	99		98		70-130	1		30
sec-Butylbenzene	101		100		70-130	1		30
tert-Butylbenzene	105		105		70-130	0		30
o-Chlorotoluene	82		98		70-130	18		30
p-Chlorotoluene	99		99		70-130	0		30
1,2-Dibromo-3-chloropropane	112		114		68-130	2		30
Hexachlorobutadiene	113		113		67-130	0		30
Isopropylbenzene	103		102		70-130	1		30
p-Isopropyltoluene	106		106		70-130	0		30
Naphthalene	105		107		70-130	2		30
Acrylonitrile	97		95		70-130	2		30
n-Propylbenzene	98		96		70-130	2		30
1,2,3-Trichlorobenzene	110		111		70-130	1		30
1,2,4-Trichlorobenzene	111		113		70-130	2		30
1,3,5-Trimethylbenzene	104		103		70-130	1		30
1,2,4-Trimethylbenzene	104		104		70-130	0		30
1,4-Dioxane	119		120		65-136	1		30
p-Diethylbenzene	112		111		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02,06 Batch: WG1304246-3 WG1304246-4								
p-Ethyltoluene	110		108		70-130	2		30
1,2,4,5-Tetramethylbenzene	116		116		70-130	0		30
Ethyl ether	112		110		67-130	2		30
trans-1,4-Dichloro-2-butene	108		110		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		119		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	115		114		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05,07-11 Batch: WG1304252-3 WG1304252-4								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	103		101		70-130	2		30
Chloroform	116		116		70-130	0		30
Carbon tetrachloride	132	Q	132	Q	70-130	0		30
1,2-Dichloropropane	97		96		70-130	1		30
Dibromochloromethane	115		117		70-130	2		30
1,1,2-Trichloroethane	98		100		70-130	2		30
Tetrachloroethene	109		112		70-130	3		30
Chlorobenzene	98		100		70-130	2		30
Trichlorofluoromethane	123		121		70-139	2		30
1,2-Dichloroethane	123		124		70-130	1		30
1,1,1-Trichloroethane	124		124		70-130	0		30
Bromodichloromethane	118		118		70-130	0		30
trans-1,3-Dichloropropene	114		114		70-130	0		30
cis-1,3-Dichloropropene	114		115		70-130	1		30
1,1-Dichloropropene	111		110		70-130	1		30
Bromoform	116		118		70-130	2		30
1,1,2,2-Tetrachloroethane	87		88		70-130	1		30
Benzene	101		101		70-130	0		30
Toluene	101		100		70-130	1		30
Ethylbenzene	102		103		70-130	1		30
Chloromethane	66		61		52-130	8		30
Bromomethane	106		102		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05,07-11 Batch: WG1304252-3 WG1304252-4								
Vinyl chloride	87		82		67-130	6		30
Chloroethane	104		99		50-151	5		30
1,1-Dichloroethene	106		105		65-135	1		30
trans-1,2-Dichloroethene	110		108		70-130	2		30
Trichloroethene	112		111		70-130	1		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	105		106		70-130	1		30
1,4-Dichlorobenzene	104		103		70-130	1		30
Methyl tert butyl ether	123		125		66-130	2		30
p/m-Xylene	103		104		70-130	1		30
o-Xylene	103		105		70-130	2		30
cis-1,2-Dichloroethene	112		112		70-130	0		30
Dibromomethane	117		118		70-130	1		30
Styrene	109		110		70-130	1		30
Dichlorodifluoromethane	75		73		30-146	3		30
Acetone	111		106		54-140	5		30
Carbon disulfide	93		92		59-130	1		30
2-Butanone	90		86		70-130	5		30
Vinyl acetate	93		94		70-130	1		30
4-Methyl-2-pentanone	98		101		70-130	3		30
1,2,3-Trichloropropane	96		98		68-130	2		30
2-Hexanone	90		89		70-130	1		30
Bromochloromethane	120		121		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05,07-11 Batch: WG1304252-3 WG1304252-4								
2,2-Dichloropropane	125		124		70-130	1		30
1,2-Dibromoethane	109		112		70-130	3		30
1,3-Dichloropropane	99		101		69-130	2		30
1,1,1,2-Tetrachloroethane	111		112		70-130	1		30
Bromobenzene	104		105		70-130	1		30
n-Butylbenzene	99		98		70-130	1		30
sec-Butylbenzene	101		100		70-130	1		30
tert-Butylbenzene	105		105		70-130	0		30
o-Chlorotoluene	82		98		70-130	18		30
p-Chlorotoluene	99		99		70-130	0		30
1,2-Dibromo-3-chloropropane	112		114		68-130	2		30
Hexachlorobutadiene	113		113		67-130	0		30
Isopropylbenzene	103		102		70-130	1		30
p-Isopropyltoluene	106		106		70-130	0		30
Naphthalene	105		107		70-130	2		30
Acrylonitrile	97		95		70-130	2		30
n-Propylbenzene	98		96		70-130	2		30
1,2,3-Trichlorobenzene	110		111		70-130	1		30
1,2,4-Trichlorobenzene	111		113		70-130	2		30
1,3,5-Trimethylbenzene	104		103		70-130	1		30
1,2,4-Trimethylbenzene	104		104		70-130	0		30
1,4-Dioxane	119		120		65-136	1		30
p-Diethylbenzene	112		111		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05,07-11 Batch: WG1304252-3 WG1304252-4								
p-Ethyltoluene	110		108		70-130	2		30
1,2,4,5-Tetramethylbenzene	116		116		70-130	0		30
Ethyl ether	112		110		67-130	2		30
trans-1,4-Dichloro-2-butene	108		110		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		119		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	115		114		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1304728-3 WG1304728-4								
Methylene chloride	89		88		70-130	1		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	93		93		70-130	0		20
Carbon tetrachloride	85		110		63-132	26	Q	20
1,2-Dichloropropane	99		99		70-130	0		20
Dibromochloromethane	82		84		63-130	2		20
1,1,2-Trichloroethane	92		97		70-130	5		20
Tetrachloroethene	87		87		70-130	0		20
Chlorobenzene	84		84		75-130	0		20
Trichlorofluoromethane	82		79		62-150	4		20
1,2-Dichloroethane	94		96		70-130	2		20
1,1,1-Trichloroethane	89		84		67-130	6		20
Bromodichloromethane	86		84		67-130	2		20
trans-1,3-Dichloropropene	86		86		70-130	0		20
cis-1,3-Dichloropropene	80		79		70-130	1		20
1,1-Dichloropropene	96		96		70-130	0		20
Bromoform	88		84		54-136	5		20
1,1,2,2-Tetrachloroethane	100		98		67-130	2		20
Benzene	89		89		70-130	0		20
Toluene	92		90		70-130	2		20
Ethylbenzene	93		92		70-130	1		20
Chloromethane	140	Q	140	Q	64-130	0		20
Bromomethane	74		69		39-139	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1304728-3 WG1304728-4								
Vinyl chloride	98		97		55-140	1		20
Chloroethane	81		73		55-138	10		20
1,1-Dichloroethene	92		92		61-145	0		20
trans-1,2-Dichloroethene	86		83		70-130	4		20
Trichloroethene	85		85		70-130	0		20
1,2-Dichlorobenzene	87		87		70-130	0		20
1,3-Dichlorobenzene	91		86		70-130	6		20
1,4-Dichlorobenzene	88		85		70-130	3		20
Methyl tert butyl ether	76		78		63-130	3		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		85		70-130	6		20
cis-1,2-Dichloroethene	90		92		70-130	2		20
Dibromomethane	78		82		70-130	5		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	120		120		70-130	0		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	79		76		36-147	4		20
Acetone	100		110		58-148	10		20
Carbon disulfide	91		90		51-130	1		20
2-Butanone	140	Q	150	Q	63-138	7		20
Vinyl acetate	89		110		70-130	21	Q	20
4-Methyl-2-pentanone	91		98		59-130	7		20
2-Hexanone	90		100		57-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1304728-3 WG1304728-4								
Bromochloromethane	83		87		70-130	5		20
2,2-Dichloropropane	96		96		63-133	0		20
1,2-Dibromoethane	84		89		70-130	6		20
1,3-Dichloropropane	92		93		70-130	1		20
1,1,1,2-Tetrachloroethane	84		83		64-130	1		20
Bromobenzene	87		85		70-130	2		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	84		82		70-130	2		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		98		70-130	2		20
1,2-Dibromo-3-chloropropane	76		82		41-144	8		20
Hexachlorobutadiene	93		90		63-130	3		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		97		70-130	3		20
Naphthalene	69	Q	73		70-130	6		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	79		79		70-130	0		20
1,2,4-Trichlorobenzene	80		78		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
1,4-Dioxane	102		116		56-162	13		20
p-Diethylbenzene	87		84		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1304728-3 WG1304728-4								
p-Ethyltoluene	100		96		70-130	4		20
1,2,4,5-Tetramethylbenzene	81		80		70-130	1		20
Ethyl ether	86		90		59-134	5		20
trans-1,4-Dichloro-2-butene	110		140	Q	70-130	24	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		126		70-130
Toluene-d8	106		107		70-130
4-Bromofluorobenzene	115		114		70-130
Dibromofluoromethane	103		105		70-130

SEMIVOLATILES

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-01
 Client ID: S-1 (2.5-3)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 05:15
 Analyst: ALS
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	95	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	82	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	89	J	ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01
 Client ID: S-1 (2.5-3)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	42	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	55	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	40	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	25	J	ug/kg	160	23.	1
Fluorene	37	J	ug/kg	200	19.	1
Phenanthrene	160		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	71	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	45	J	ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01

Date Collected: 10/30/19 09:00

Client ID: S-1 (2.5-3)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	25	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Tentatively Identified Compounds

Total TIC Compounds	3240	J	ug/kg			1
Unknown	413	J	ug/kg			1
Unknown Alkane	238	J	ug/kg			1
Unknown	569	J	ug/kg			1
Unknown	297	J	ug/kg			1
Unknown	170	J	ug/kg			1
Unknown	334	J	ug/kg			1
Unknown	397	J	ug/kg			1
Unknown	238	J	ug/kg			1
Unknown	277	J	ug/kg			1
Unknown	310	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	118		10-136
4-Terphenyl-d14	53		18-120

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-02
 Client ID: S-2 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 04:48
 Analyst: ALS
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	240		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	110	J	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	84	J	ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-02
 Client ID: S-2 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	150		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	560		ug/kg	190	18.	1
Phenanthrene	330		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	51	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	43.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	270		ug/kg	190	18.	1
2-Methylnaphthalene	35	J	ug/kg	220	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	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-02
 Client ID: S-2 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Tentatively Identified Compounds

Total TIC Compounds	41400	J	ug/kg			1
Unknown Naphthalene	1530	J	ug/kg			1
Unknown	1150	J	ug/kg			1
Unknown Alkane	2180	J	ug/kg			1
Unknown	1110	J	ug/kg			1
Unknown	1840	J	ug/kg			1
Unknown Alkane	2710	J	ug/kg			1
Unknown	1230	J	ug/kg			1
Unknown Cyclohexane	1330	J	ug/kg			1
Unknown Alkane	1360	J	ug/kg			1
Unknown Alkane	4410	J	ug/kg			1
Unknown Alkane	1100	J	ug/kg			1
Unknown	1150	J	ug/kg			1
Unknown	2580	J	ug/kg			1
Unknown Alkane	1730	J	ug/kg			1
Unknown	3430	J	ug/kg			1
Unknown Alkane	3270	J	ug/kg			1
Unknown Cyclohexane	2170	J	ug/kg			1
Unknown Cyclohexane	2320	J	ug/kg			1
Unknown	3510	J	ug/kg			1
Unknown Naphthalene	1260	J	ug/kg			1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-02

Date Collected: 10/30/19 09:30

Client ID: S-2 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	49		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	52		18-120

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-03
 Client ID: S-3 (13.5-14)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:05
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 03:54
 Analyst: ALS
 Percent Solids: 71%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	26.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	31.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
1,2-Dichlorobenzene	ND		ug/kg	230	42.	1
1,3-Dichlorobenzene	ND		ug/kg	230	40.	1
1,4-Dichlorobenzene	ND		ug/kg	230	40.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	62.	1
2,4-Dinitrotoluene	ND		ug/kg	230	46.	1
2,6-Dinitrotoluene	ND		ug/kg	230	40.	1
Fluoranthene	ND		ug/kg	140	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	35.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	40.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	23.	1
Hexachlorobutadiene	ND		ug/kg	230	34.	1
Hexachlorocyclopentadiene	ND		ug/kg	660	210	1
Hexachloroethane	ND		ug/kg	180	38.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	ND		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	34.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	36.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	80.	1
Butyl benzyl phthalate	ND		ug/kg	230	58.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	79.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-03
 Client ID: S-3 (13.5-14)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:05
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	230	21.	1
Dimethyl phthalate	ND		ug/kg	230	49.	1
Benzo(a)anthracene	ND		ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	180	57.	1
Benzo(b)fluoranthene	ND		ug/kg	140	39.	1
Benzo(k)fluoranthene	ND		ug/kg	140	37.	1
Chrysene	ND		ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	180	36.	1
Anthracene	ND		ug/kg	140	45.	1
Benzo(ghi)perylene	ND		ug/kg	180	27.	1
Fluorene	ND		ug/kg	230	22.	1
Phenanthrene	ND		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	32.	1
Pyrene	ND		ug/kg	140	23.	1
Biphenyl	ND		ug/kg	530	54.	1
4-Chloroaniline	ND		ug/kg	230	42.	1
2-Nitroaniline	ND		ug/kg	230	45.	1
3-Nitroaniline	ND		ug/kg	230	44.	1
4-Nitroaniline	ND		ug/kg	230	96.	1
Dibenzofuran	ND		ug/kg	230	22.	1
2-Methylnaphthalene	ND		ug/kg	280	28.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	24.	1
Acetophenone	ND		ug/kg	230	29.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
p-Chloro-m-cresol	ND		ug/kg	230	34.	1
2-Chlorophenol	ND		ug/kg	230	27.	1
2,4-Dichlorophenol	ND		ug/kg	210	37.	1
2,4-Dimethylphenol	ND		ug/kg	230	76.	1
2-Nitrophenol	ND		ug/kg	500	87.	1
4-Nitrophenol	ND		ug/kg	320	95.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	110	1
Pentachlorophenol	ND		ug/kg	180	51.	1
Phenol	ND		ug/kg	230	35.	1
2-Methylphenol	ND		ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	36.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-03

Date Collected: 10/30/19 10:05

Client ID: S-3 (13.5-14)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	230	44.	1
Benzoic Acid	ND		ug/kg	750	230	1
Benzyl Alcohol	ND		ug/kg	230	71.	1
Carbazole	ND		ug/kg	230	22.	1
1,4-Dioxane	ND		ug/kg	35	11.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	55		18-120

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-04
 Client ID: S-4 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 09:45
 Analyst: ALS
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	180		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-04
 Client ID: S-4 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	120		ug/kg	120	23.	1
Benzo(a)pyrene	110	J	ug/kg	160	49.	1
Benzo(b)fluoranthene	140		ug/kg	120	34.	1
Benzo(k)fluoranthene	46	J	ug/kg	120	32.	1
Chrysene	100	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	66	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	77	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	72	J	ug/kg	160	28.	1
Pyrene	150		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-04

Date Collected: 10/30/19 10:50

Client ID: S-4 (2-2.5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	45		18-120

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-05
 Client ID: S-5 (11.5-12)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 08:51
 Analyst: ALS
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	1300		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-05
 Client ID: S-5 (11.5-12)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	1200		ug/kg	120	22.	1
Benzo(a)pyrene	670		ug/kg	160	48.	1
Benzo(b)fluoranthene	1200		ug/kg	120	34.	1
Benzo(k)fluoranthene	390		ug/kg	120	32.	1
Chrysene	1100		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	63	J	ug/kg	120	39.	1
Benzo(ghi)perylene	320		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	130		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	110	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	370		ug/kg	160	28.	1
Pyrene	1400		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-05

Date Collected: 10/30/19 11:30

Client ID: S-5 (11.5-12)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Tentatively Identified Compounds

Total TIC Compounds	1500	J	ug/kg			1
Unknown Ketone	182	J	ug/kg			1
Unknown Naphthalene	162	J	ug/kg			1
Unknown PAH	601	J	ug/kg			1
Unknown PAH	189	J	ug/kg			1
Unknown	183	J	ug/kg			1
Unknown	182	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	46		18-120

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-06
 Client ID: S-6 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:45
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 09:18
 Analyst: ALS
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	500		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	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
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	1100		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	750		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	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-06
 Client ID: S-6 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:45
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	880		ug/kg	120	22.	1
Benzo(a)pyrene	540		ug/kg	150	47.	1
Benzo(b)fluoranthene	730		ug/kg	120	32.	1
Benzo(k)fluoranthene	210		ug/kg	120	31.	1
Chrysene	960		ug/kg	120	20.	1
Acenaphthylene	120	J	ug/kg	150	30.	1
Anthracene	450		ug/kg	120	38.	1
Benzo(ghi)perylene	260		ug/kg	150	23.	1
Fluorene	640		ug/kg	190	19.	1
Phenanthrene	2000		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	82	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	150	27.	1
Pyrene	1400		ug/kg	120	19.	1
Biphenyl	49	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	180	J	ug/kg	190	18.	1
2-Methylnaphthalene	4300		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	36.	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

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-06
 Client ID: S-6 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:45
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	170	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Tentatively Identified Compounds

Total TIC Compounds	48100	J	ug/kg			1
Unknown	1790	J	ug/kg			1
Unknown PAH	1940	J	ug/kg			1
Unknown PAH	3430	J	ug/kg			1
Unknown Naphthalene	1700	J	ug/kg			1
Unknown Naphthalene	2120	J	ug/kg			1
Unknown Naphthalene	1700	J	ug/kg			1
Unknown Naphthalene	4160	J	ug/kg			1
Unknown PAH	1600	J	ug/kg			1
Unknown PAH	1650	J	ug/kg			1
Unknown Naphthalene	2760	J	ug/kg			1
Unknown PAH	2320	J	ug/kg			1
Unknown PAH	2480	J	ug/kg			1
Unknown Alkane	5610	J	ug/kg			1
Unknown Biphenyl	1980	J	ug/kg			1
Unknown Alkane	2260	J	ug/kg			1
Unknown Naphthalene	4050	J	ug/kg			1
Unknown PAH	1400	J	ug/kg			1
Unknown PAH	1470	J	ug/kg			1
Unknown	1800	J	ug/kg			1
Unknown PAH	1830	J	ug/kg			1

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-06

Date Collected: 10/30/19 11:45

Client ID: S-6 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	50		18-120

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-07
 Client ID: S-7 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 12:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 06:36
 Analyst: ALS
 Percent Solids: 77%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	220	21.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	37.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	57.	1
2,4-Dinitrotoluene	ND		ug/kg	220	43.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	870		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	30	J	ug/kg	220	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	75.	1
Butyl benzyl phthalate	ND		ug/kg	220	54.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	73.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-07
 Client ID: S-7 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 12:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	45.	1
Benzo(a)anthracene	390		ug/kg	130	24.	1
Benzo(a)pyrene	440		ug/kg	170	53.	1
Benzo(b)fluoranthene	630		ug/kg	130	36.	1
Benzo(k)fluoranthene	200		ug/kg	130	34.	1
Chrysene	430		ug/kg	130	22.	1
Acenaphthylene	81	J	ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	280		ug/kg	170	25.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	430		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	62	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	300		ug/kg	170	30.	1
Pyrene	720		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	490	50.	1
4-Chloroaniline	ND		ug/kg	220	39.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	89.	1
Dibenzofuran	ND		ug/kg	220	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	22.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	190	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	71.	1
2-Nitrophenol	ND		ug/kg	470	81.	1
4-Nitrophenol	ND		ug/kg	300	88.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	560	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-07

Date Collected: 10/30/19 12:20

Client ID: S-7 (4.5-5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	41.	1
Benzoic Acid	ND		ug/kg	700	220	1
Benzyl Alcohol	ND		ug/kg	220	66.	1
Carbazole	39	J	ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	32	9.9	1

Tentatively Identified Compounds

Total TIC Compounds	869	J	ug/kg	1
Unknown	216	J	ug/kg	1
Unknown PAH	291	J	ug/kg	1
Unknown	181	J	ug/kg	1
Unknown PAH	181	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	42		18-120

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-08
 Client ID: S-8 (3.5-4)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 07:03
 Analyst: ALS
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	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
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	350		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	ND		ug/kg	190	23.	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	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-08
 Client ID: S-8 (3.5-4)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	110	J	ug/kg	120	22.	1
Benzo(a)pyrene	150		ug/kg	150	47.	1
Benzo(b)fluoranthene	240		ug/kg	120	32.	1
Benzo(k)fluoranthene	67	J	ug/kg	120	31.	1
Chrysene	170		ug/kg	120	20.	1
Acenaphthylene	53	J	ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	110	J	ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	250		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	26	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	150	27.	1
Pyrene	260		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	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		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	36.	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	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	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

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS****Lab ID:** L1951298-08**Date Collected:** 10/30/19 13:00**Client ID:** S-8 (3.5-4)**Date Received:** 10/30/19**Sample Location:** PORTCHESTER, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	28	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Tentatively Identified Compounds

Total TIC Compounds	528	J	ug/kg	1
Unknown	528	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	56		18-120

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-09
 Client ID: S-9 (6.5-7)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 06:09
 Analyst: ALS
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	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
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	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	ND		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	ND		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	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-09
 Client ID: S-9 (6.5-7)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		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	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		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	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-09

Date Collected: 10/30/19 13:20

Client ID: S-9 (6.5-7)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	115		10-136
4-Terphenyl-d14	60		18-120

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-10
 Client ID: S-10 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/05/19 07:57
 Analyst: ALS
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	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	ND		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	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	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	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-10
 Client ID: S-10 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		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	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-10

Date Collected: 10/30/19 13:50

Client ID: S-10 (2-2.5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	50		18-120

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-11
 Client ID: S-11 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 14:10
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 01:31
 Analyst: IM
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	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
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	120		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	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	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	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

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-11
 Client ID: S-11 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 14:10
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	75	J	ug/kg	120	22.	1
Benzo(a)pyrene	66	J	ug/kg	160	47.	1
Benzo(b)fluoranthene	93	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	65	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	51	J	ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	57	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	58	J	ug/kg	160	27.	1
Pyrene	110	J	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	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		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	73.	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	160	43.	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

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-11

Date Collected: 10/30/19 14:10

Client ID: S-11 (4.5-5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	106		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	66		18-120

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-12
 Client ID: TW-1
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 14:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 11/04/19 05:17
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 11/02/19 04:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.4	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-12

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	9.5		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-12

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	704	J	ug/l			1
Unknown	65.1	J	ug/l			1
Unknown	27.0	J	ug/l			1
Unknown	59.7	J	ug/l			1
Unknown	26.7	J	ug/l			1
Unknown Alkane	21.6	J	ug/l			1
Unknown Alkane	35.9	J	ug/l			1
Unknown Alkane	27.3	J	ug/l			1
Unknown Alkane	31.9	J	ug/l			1
Unknown Alkane	21.7	J	ug/l			1
Unknown Alkane	26.0	J	ug/l			1
Unknown Alkane	85.7	J	ug/l			1
Unknown Cycloalkane	26.1	J	ug/l			1
Unknown	29.0	J	ug/l			1
Unknown	32.9	J	ug/l			1
Unknown	35.0	J	ug/l			1
Unknown Alkane	31.4	J	ug/l			1
Unknown Alkane	32.6	J	ug/l			1
Unknown	21.6	J	ug/l			1
Unknown Cycloalkane	40.5	J	ug/l			1
Unknown	26.4	J	ug/l			1

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-12

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	107		10-120
4-Terphenyl-d14	47		41-149

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-12 D

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 11/02/19 05:00

Analytical Date: 11/05/19 16:09

Analyst: CB

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.03	2
2-Chloronaphthalene	ND		ug/l	0.40	0.04	2
Fluoranthene	2.1		ug/l	0.20	0.04	2
Hexachlorobutadiene	ND		ug/l	1.0	0.09	2
Naphthalene	2.0		ug/l	0.20	0.10	2
Benzo(a)anthracene	0.50		ug/l	0.20	0.04	2
Benzo(a)pyrene	0.34		ug/l	0.20	0.03	2
Benzo(b)fluoranthene	0.46		ug/l	0.20	0.02	2
Benzo(k)fluoranthene	0.16	J	ug/l	0.20	0.02	2
Chrysene	0.53		ug/l	0.20	0.02	2
Acenaphthylene	ND		ug/l	0.20	0.02	2
Anthracene	2.9		ug/l	0.20	0.03	2
Benzo(ghi)perylene	0.24		ug/l	0.20	0.03	2
Fluorene	14		ug/l	0.20	0.03	2
Phenanthrene	12		ug/l	0.20	0.05	2
Dibenzo(a,h)anthracene	0.05	J	ug/l	0.20	0.03	2
Indeno(1,2,3-cd)pyrene	0.24		ug/l	0.20	0.02	2
Pyrene	2.1		ug/l	0.20	0.04	2
2-Methylnaphthalene	ND		ug/l	0.20	0.04	2
Pentachlorophenol	ND		ug/l	1.6	0.03	2
Hexachlorobenzene	ND		ug/l	1.6	0.02	2
Hexachloroethane	ND		ug/l	1.6	0.13	2

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-12 D

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	153	Q	23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	89		41-149

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/19 02:33
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1303639-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
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	18.
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	19.
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.

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/05/19 02:33
 Analyst: ALS

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1303639-1					
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.
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	32.
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.

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/19 02:33
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 11/01/19 18:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG1303639-1					
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.
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.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	67		18-120

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/19 09:12
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/19 04:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1303754-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/05/19 09:12
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/02/19 04:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1303754-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/05/19 09:12
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 11/02/19 04:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1303754-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds

Total TIC Compounds	15.1	J	ug/l
Unknown Alkane	1.60	J	ug/l
Unknown	1.93	J	ug/l
Aldol Condensates (A)	11.6	J	ug/l

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/05/19 09:12
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 11/02/19 04:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1303754-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	62		41-149

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/03/19 13:34
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/02/19 05:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12 Batch: WG1303756-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	0.05	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 11/03/19 13:34
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 11/02/19 05:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12 Batch: WG1303756-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	80		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1303639-2 WG1303639-3								
Acenaphthene	79		97		31-137	20		50
1,2,4-Trichlorobenzene	73		91		38-107	22		50
Hexachlorobenzene	90		109		40-140	19		50
Bis(2-chloroethyl)ether	67		84		40-140	23		50
2-Chloronaphthalene	80		99		40-140	21		50
1,2-Dichlorobenzene	72		88		40-140	20		50
1,3-Dichlorobenzene	72		87		40-140	19		50
1,4-Dichlorobenzene	69		85		28-104	21		50
3,3'-Dichlorobenzidine	56		70		40-140	22		50
2,4-Dinitrotoluene	90		112		40-132	22		50
2,6-Dinitrotoluene	88		109		40-140	21		50
Fluoranthene	79		97		40-140	20		50
4-Chlorophenyl phenyl ether	83		100		40-140	19		50
4-Bromophenyl phenyl ether	85		106		40-140	22		50
Bis(2-chloroisopropyl)ether	50		62		40-140	21		50
Bis(2-chloroethoxy)methane	69		87		40-117	23		50
Hexachlorobutadiene	76		89		40-140	16		50
Hexachlorocyclopentadiene	82		104		40-140	24		50
Hexachloroethane	67		82		40-140	20		50
Isophorone	69		86		40-140	22		50
Naphthalene	76		92		40-140	19		50
Nitrobenzene	71		88		40-140	21		50
NDPA/DPA	84		101		36-157	18		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1303639-2 WG1303639-3								
n-Nitrosodi-n-propylamine	70		87		32-121	22		50
Bis(2-ethylhexyl)phthalate	89		111		40-140	22		50
Butyl benzyl phthalate	81		102		40-140	23		50
Di-n-butylphthalate	81		102		40-140	23		50
Di-n-octylphthalate	93		114		40-140	20		50
Diethyl phthalate	83		102		40-140	21		50
Dimethyl phthalate	81		98		40-140	19		50
Benzo(a)anthracene	82		102		40-140	22		50
Benzo(a)pyrene	85		106		40-140	22		50
Benzo(b)fluoranthene	93		110		40-140	17		50
Benzo(k)fluoranthene	86		109		40-140	24		50
Chrysene	84		101		40-140	18		50
Acenaphthylene	83		99		40-140	18		50
Anthracene	80		97		40-140	19		50
Benzo(ghi)perylene	83		102		40-140	21		50
Fluorene	84		102		40-140	19		50
Phenanthrene	77		95		40-140	21		50
Dibenzo(a,h)anthracene	81		103		40-140	24		50
Indeno(1,2,3-cd)pyrene	82		102		40-140	22		50
Pyrene	75		94		35-142	22		50
Biphenyl	82		99		37-127	19		50
4-Chloroaniline	59		46		40-140	25		50
2-Nitroaniline	90		110		47-134	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1303639-2 WG1303639-3								
3-Nitroaniline	62		73		26-129	16		50
4-Nitroaniline	79		100		41-125	23		50
Dibenzofuran	82		99		40-140	19		50
2-Methylnaphthalene	81		100		40-140	21		50
1,2,4,5-Tetrachlorobenzene	82		99		40-117	19		50
Acetophenone	73		90		14-144	21		50
2,4,6-Trichlorophenol	89		110		30-130	21		50
p-Chloro-m-cresol	88		111	Q	26-103	23		50
2-Chlorophenol	79		97		25-102	20		50
2,4-Dichlorophenol	83		107		30-130	25		50
2,4-Dimethylphenol	82		101		30-130	21		50
2-Nitrophenol	79		99		30-130	22		50
4-Nitrophenol	88		110		11-114	22		50
2,4-Dinitrophenol	29		44		4-130	41		50
4,6-Dinitro-o-cresol	79		98		10-130	21		50
Pentachlorophenol	71		93		17-109	27		50
Phenol	77		92	Q	26-90	18		50
2-Methylphenol	79		98		30-130	21		50
3-Methylphenol/4-Methylphenol	86		106		30-130	21		50
2,4,5-Trichlorophenol	90		112		30-130	22		50
Benzoic Acid	0	Q	0	Q	10-110	NC		50
Benzyl Alcohol	78		97		40-140	22		50
Carbazole	81		99		54-128	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG1303639-2 WG1303639-3								
1,4-Dioxane	44		53		40-140	19		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		98		25-120
Phenol-d6	77		94		10-120
Nitrobenzene-d5	56		70		23-120
2-Fluorobiphenyl	64		78		30-120
2,4,6-Tribromophenol	94		119		10-136
4-Terphenyl-d14	64		79		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1303754-2 WG1303754-3								
Acenaphthene	81		90		37-111	11		30
1,2,4-Trichlorobenzene	81		86		39-98	6		30
Hexachlorobenzene	80		92		40-140	14		30
Bis(2-chloroethyl)ether	81		84		40-140	4		30
2-Chloronaphthalene	82		89		40-140	8		30
1,2-Dichlorobenzene	78		83		40-140	6		30
1,3-Dichlorobenzene	76		81		40-140	6		30
1,4-Dichlorobenzene	77		81		36-97	5		30
3,3'-Dichlorobenzidine	76		77		40-140	1		30
2,4-Dinitrotoluene	88		99		48-143	12		30
2,6-Dinitrotoluene	84		97		40-140	14		30
Fluoranthene	86		98		40-140	13		30
4-Chlorophenyl phenyl ether	86		96		40-140	11		30
4-Bromophenyl phenyl ether	86		95		40-140	10		30
Bis(2-chloroisopropyl)ether	72		77		40-140	7		30
Bis(2-chloroethoxy)methane	81		87		40-140	7		30
Hexachlorobutadiene	82		87		40-140	6		30
Hexachlorocyclopentadiene	85		93		40-140	9		30
Hexachloroethane	76		81		40-140	6		30
Isophorone	78		87		40-140	11		30
Naphthalene	82		88		40-140	7		30
Nitrobenzene	80		88		40-140	10		30
NDPA/DPA	89		97		40-140	9		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1303754-2 WG1303754-3								
n-Nitrosodi-n-propylamine	87		92		29-132	6		30
Bis(2-ethylhexyl)phthalate	72		86		40-140	18		30
Butyl benzyl phthalate	73		85		40-140	15		30
Di-n-butylphthalate	74		86		40-140	15		30
Di-n-octylphthalate	72		84		40-140	15		30
Diethyl phthalate	86		96		40-140	11		30
Dimethyl phthalate	86		96		40-140	11		30
Benzo(a)anthracene	94		102		40-140	8		30
Benzo(a)pyrene	85		91		40-140	7		30
Benzo(b)fluoranthene	100		109		40-140	9		30
Benzo(k)fluoranthene	99		107		40-140	8		30
Chrysene	89		95		40-140	7		30
Acenaphthylene	85		93		45-123	9		30
Anthracene	84		93		40-140	10		30
Benzo(ghi)perylene	102		109		40-140	7		30
Fluorene	85		94		40-140	10		30
Phenanthrene	80		86		40-140	7		30
Dibenzo(a,h)anthracene	96		104		40-140	8		30
Indeno(1,2,3-cd)pyrene	88		97		40-140	10		30
Pyrene	82		93		26-127	13		30
Biphenyl	84		91		40-140	8		30
4-Chloroaniline	55		58		40-140	5		30
2-Nitroaniline	81		92		52-143	13		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1303754-2 WG1303754-3								
3-Nitroaniline	65		74		25-145	13		30
4-Nitroaniline	74		86		51-143	15		30
Dibenzofuran	83		92		40-140	10		30
2-Methylnaphthalene	84		91		40-140	8		30
1,2,4,5-Tetrachlorobenzene	83		90		2-134	8		30
Acetophenone	82		90		39-129	9		30
2,4,6-Trichlorophenol	86		92		30-130	7		30
p-Chloro-m-cresol	94		101	Q	23-97	7		30
2-Chlorophenol	82		88		27-123	7		30
2,4-Dichlorophenol	87		94		30-130	8		30
2,4-Dimethylphenol	72		66		30-130	9		30
2-Nitrophenol	80		88		30-130	10		30
4-Nitrophenol	70		82	Q	10-80	16		30
2,4-Dinitrophenol	95		106		20-130	11		30
4,6-Dinitro-o-cresol	98		108		20-164	10		30
Pentachlorophenol	80		90		9-103	12		30
Phenol	68		72		12-110	6		30
2-Methylphenol	83		88		30-130	6		30
3-Methylphenol/4-Methylphenol	86		91		30-130	6		30
2,4,5-Trichlorophenol	87		94		30-130	8		30
Benzoic Acid	80		83		10-164	4		30
Benzyl Alcohol	75		83		26-116	10		30
Carbazole	85		94		55-144	10		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1303754-2 WG1303754-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	72		78		21-120
Phenol-d6	63		68		10-120
Nitrobenzene-d5	64		69		23-120
2-Fluorobiphenyl	63		69		15-120
2,4,6-Tribromophenol	88		99		10-120
4-Terphenyl-d14	64		72		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12 Batch: WG1303756-2 WG1303756-3								
Acenaphthene	89		85		40-140	5		40
2-Chloronaphthalene	86		81		40-140	6		40
Fluoranthene	96		94		40-140	2		40
Hexachlorobutadiene	79		72		40-140	9		40
Naphthalene	82		77		40-140	6		40
Benzo(a)anthracene	99		97		40-140	2		40
Benzo(a)pyrene	102		102		40-140	0		40
Benzo(b)fluoranthene	108		102		40-140	6		40
Benzo(k)fluoranthene	105		109		40-140	4		40
Chrysene	98		100		40-140	2		40
Acenaphthylene	87		83		40-140	5		40
Anthracene	95		91		40-140	4		40
Benzo(ghi)perylene	101		99		40-140	2		40
Fluorene	94		89		40-140	5		40
Phenanthrene	89		86		40-140	3		40
Dibenzo(a,h)anthracene	102		101		40-140	1		40
Indeno(1,2,3-cd)pyrene	105		105		40-140	0		40
Pyrene	96		93		40-140	3		40
2-Methylnaphthalene	83		79		40-140	5		40
Pentachlorophenol	70		67		40-140	4		40
Hexachlorobenzene	80		76		40-140	5		40
Hexachloroethane	82		75		40-140	9		40

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12 Batch: WG1303756-2 WG1303756-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		65		21-120
Phenol-d6	61		58		10-120
Nitrobenzene-d5	81		74		23-120
2-Fluorobiphenyl	77		74		15-120
2,4,6-Tribromophenol	74		69		10-120
4-Terphenyl-d14	79		78		41-149

PETROLEUM HYDROCARBONS

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-02 D

Date Collected: 10/30/19 09:30

Client ID: S-2 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 103,NJDEP EPH

Extraction Date: 11/01/19 20:52

Analytical Date: 11/05/19 22:49

Cleanup Method: NJDEP EPH

Analyst: LL

Cleanup Date: 11/05/19

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C12 Aliphatics	226		mg/kg	44.7	44.7	5
C12-C16 Aliphatics	1130		mg/kg	29.8	29.8	5
C16-C21 Aliphatics	803		mg/kg	44.7	44.7	5
C21-C40 Aliphatics	ND		mg/kg	149	149.	5
C10-C12 Aromatics	50.9		mg/kg	29.8	29.8	5
C12-C16 Aromatics	159		mg/kg	44.7	44.7	5
C16-C21 Aromatics	426		mg/kg	74.5	74.5	5
C21-C36 Aromatics	ND		mg/kg	119	119.	5
Total EPH	2790		mg/kg	537	537.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	78		40-140
o-Terphenyl	85		40-140
2-Fluorobiphenyl	92		40-140
2-Bromonaphthalene	96		40-140

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-06 D

Date Collected: 10/30/19 11:45

Client ID: S-6 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 103,NJDEP EPH

Extraction Date: 11/01/19 20:52

Analytical Date: 11/05/19 23:31

Cleanup Method: NJDEP EPH

Analyst: LL

Cleanup Date: 11/05/19

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C12 Aliphatics	ND		mg/kg	90.9	90.9	10
C12-C16 Aliphatics	578		mg/kg	60.6	60.6	10
C16-C21 Aliphatics	896		mg/kg	90.9	90.9	10
C21-C40 Aliphatics	1640		mg/kg	303	303.	10
C10-C12 Aromatics	60.6		mg/kg	60.6	60.6	10
C12-C16 Aromatics	453		mg/kg	90.9	90.9	10
C16-C21 Aromatics	1160		mg/kg	151	151.	10
C21-C36 Aromatics	617		mg/kg	242	242.	10
Total EPH	5400		mg/kg	1090	1090	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	0	Q	40-140
o-Terphenyl	0	Q	40-140
2-Fluorobiphenyl	82		40-140
2-Bromonaphthalene	85		40-140

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 103,NJDEP EPH
 Analytical Date: 11/05/19 20:41
 Analyst: LL

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 20:52
 Cleanup Method: NJDEP EPH
 Cleanup Date: 11/05/19

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 02,06 Batch: WG1304493-1					
C9-C12 Aliphatics	ND		mg/kg	7.84	7.84
C12-C16 Aliphatics	ND		mg/kg	5.22	5.22
C16-C21 Aliphatics	ND		mg/kg	7.84	7.84
C21-C40 Aliphatics	ND		mg/kg	26.1	26.1
C10-C12 Aromatics	ND		mg/kg	5.22	5.22
C12-C16 Aromatics	ND		mg/kg	7.84	7.84
C16-C21 Aromatics	ND		mg/kg	13.1	13.1
C21-C36 Aromatics	ND		mg/kg	20.9	20.9
Total EPH	ND		mg/kg	94.0	94.0

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	71		40-140
o-Terphenyl	54		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	80		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02,06 Batch: WG1304493-2 WG1304493-3								
C9-C12 Aliphatics	65		66		40-140	2		25
C12-C16 Aliphatics	83		90		40-140	8		25
C16-C21 Aliphatics	114		126		40-140	10		25
C21-C40 Aliphatics	93		103		40-140	10		25
C10-C12 Aromatics	76		65		40-140	16		25
C12-C16 Aromatics	102		92		40-140	10		25
C16-C21 Aromatics	102		80		40-140	24		25
C21-C36 Aromatics	86		78		40-140	10		25
Nonane (C9)	51		50		40-140	2		25
Decane (C10)	59		60		40-140	2		25
Dodecane (C12)	66		68		40-140	3		25
Tetradecane (C14)	69		72		40-140	4		25
Hexadecane (C16)	77		82		40-140	6		25
Octadecane (C18)	84		93		40-140	10		25
Eicosane (C20)	86		96		40-140	11		25
Heneicosane (C21)	86		96		40-140	11		25
Docosane (C22)	86		96		40-140	11		25
Tetracosane (C24)	86		97		40-140	12		25
Hexacosane (C26)	86		96		40-140	11		25
Octacosane (C28)	86		96		40-140	11		25
Triacontane (C30)	87		97		40-140	11		25
Dotriacontane (C32)	86		96		40-140	11		25
Tetratriacontane (C34)	83		93		40-140	11		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02,06 Batch: WG1304493-2 WG1304493-3								
Hexatriacontane (C36)	86		95		40-140	10		25
Octatriacontane (C38)	86		95		40-140	10		25
Tetracontane (C40)	85		94		40-140	10		25
Acenaphthene	74		64		40-140	14		25
Acenaphthylene	72		62		40-140	15		25
Anthracene	80		73		40-140	9		25
Benzo(a)anthracene	83		76		40-140	9		25
Benzo(a)pyrene	78		72		40-140	8		25
Benzo(b)fluoranthene	83		77		40-140	8		25
Benzo(ghi)perylene	76		68		40-140	11		25
Benzo(k)fluoranthene	87		79		40-140	10		25
Chrysene	86		76		40-140	12		25
Dibenzo(a,h)anthracene	82		73		40-140	12		25
Fluoranthene	80		74		40-140	8		25
Fluorene	71		62		40-140	14		25
Indeno(1,2,3-cd)Pyrene	80		74		40-140	8		25
2-Methylnaphthalene	68		59		40-140	14		25
Naphthalene	67		57		40-140	16		25
Phenanthrene	75		68		40-140	10		25
Pyrene	84		78		40-140	7		25
1,2,3-Trimethylbenzene	61		51		40-140	18		25

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

NJ Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 02,06 Batch: WG1304493-2 WG1304493-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	79		84		40-140
o-Terphenyl	77		70		40-140
2-Fluorobiphenyl	97		90		40-140
2-Bromonaphthalene	96		90		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

PCBS

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01
 Client ID: S-1 (2.5-3)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 15:50
 Analyst: HT
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.5	3.42	1	A
Aroclor 1221	ND		ug/kg	38.5	3.86	1	A
Aroclor 1232	ND		ug/kg	38.5	8.17	1	A
Aroclor 1242	ND		ug/kg	38.5	5.19	1	A
Aroclor 1248	ND		ug/kg	38.5	5.78	1	A
Aroclor 1254	ND		ug/kg	38.5	4.21	1	A
Aroclor 1260	ND		ug/kg	38.5	7.12	1	A
Aroclor 1262	ND		ug/kg	38.5	4.89	1	A
Aroclor 1268	ND		ug/kg	38.5	3.99	1	A
PCBs, Total	ND		ug/kg	38.5	3.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-02
 Client ID: S-2 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 15:57
 Analyst: HT
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	3.34	1	A
Aroclor 1221	ND		ug/kg	37.6	3.76	1	A
Aroclor 1232	ND		ug/kg	37.6	7.96	1	A
Aroclor 1242	ND		ug/kg	37.6	5.06	1	A
Aroclor 1248	ND		ug/kg	37.6	5.63	1	A
Aroclor 1254	ND		ug/kg	37.6	4.11	1	A
Aroclor 1260	ND		ug/kg	37.6	6.94	1	A
Aroclor 1262	ND		ug/kg	37.6	4.77	1	A
Aroclor 1268	ND		ug/kg	37.6	3.89	1	A
PCBs, Total	ND		ug/kg	37.6	3.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-03
 Client ID: S-3 (13.5-14)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:05
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 16:03
 Analyst: HT
 Percent Solids: 71%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.9	4.08	1	A
Aroclor 1221	ND		ug/kg	45.9	4.60	1	A
Aroclor 1232	ND		ug/kg	45.9	9.74	1	A
Aroclor 1242	ND		ug/kg	45.9	6.19	1	A
Aroclor 1248	ND		ug/kg	45.9	6.89	1	A
Aroclor 1254	ND		ug/kg	45.9	5.03	1	A
Aroclor 1260	ND		ug/kg	45.9	8.49	1	A
Aroclor 1262	ND		ug/kg	45.9	5.83	1	A
Aroclor 1268	ND		ug/kg	45.9	4.76	1	A
PCBs, Total	ND		ug/kg	45.9	4.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-04
 Client ID: S-4 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 16:10
 Analyst: HT
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.46	1	A
Aroclor 1221	ND		ug/kg	39.0	3.90	1	A
Aroclor 1232	ND		ug/kg	39.0	8.26	1	A
Aroclor 1242	ND		ug/kg	39.0	5.25	1	A
Aroclor 1248	ND		ug/kg	39.0	5.84	1	A
Aroclor 1254	ND		ug/kg	39.0	4.26	1	A
Aroclor 1260	16.9	J	ug/kg	39.0	7.20	1	A
Aroclor 1262	ND		ug/kg	39.0	4.95	1	A
Aroclor 1268	ND		ug/kg	39.0	4.04	1	A
PCBs, Total	16.9	J	ug/kg	39.0	3.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-05
 Client ID: S-5 (11.5-12)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 16:17
 Analyst: HT
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	3.45	1	A
Aroclor 1221	ND		ug/kg	38.8	3.89	1	A
Aroclor 1232	ND		ug/kg	38.8	8.24	1	A
Aroclor 1242	ND		ug/kg	38.8	5.24	1	A
Aroclor 1248	ND		ug/kg	38.8	5.83	1	A
Aroclor 1254	688		ug/kg	38.8	4.25	1	B
Aroclor 1260	ND		ug/kg	38.8	7.18	1	A
Aroclor 1262	ND		ug/kg	38.8	4.93	1	A
Aroclor 1268	ND		ug/kg	38.8	4.02	1	A
PCBs, Total	688		ug/kg	38.8	3.45	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-06
 Client ID: S-6 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:45
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 16:23
 Analyst: HT
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	3.47	1	A
Aroclor 1221	ND		ug/kg	39.1	3.92	1	A
Aroclor 1232	ND		ug/kg	39.1	8.28	1	A
Aroclor 1242	ND		ug/kg	39.1	5.27	1	A
Aroclor 1248	ND		ug/kg	39.1	5.86	1	A
Aroclor 1254	169		ug/kg	39.1	4.27	1	B
Aroclor 1260	83.1		ug/kg	39.1	7.22	1	B
Aroclor 1262	ND		ug/kg	39.1	4.96	1	A
Aroclor 1268	ND		ug/kg	39.1	4.05	1	A
PCBs, Total	252		ug/kg	39.1	3.47	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-07
 Client ID: S-7 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 12:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 16:30
 Analyst: HT
 Percent Solids: 77%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.8	3.62	1	A
Aroclor 1221	ND		ug/kg	40.8	4.09	1	A
Aroclor 1232	ND		ug/kg	40.8	8.65	1	A
Aroclor 1242	ND		ug/kg	40.8	5.50	1	A
Aroclor 1248	ND		ug/kg	40.8	6.12	1	A
Aroclor 1254	ND		ug/kg	40.8	4.46	1	A
Aroclor 1260	ND		ug/kg	40.8	7.54	1	A
Aroclor 1262	ND		ug/kg	40.8	5.18	1	A
Aroclor 1268	ND		ug/kg	40.8	4.23	1	A
PCBs, Total	ND		ug/kg	40.8	3.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-08
 Client ID: S-8 (3.5-4)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 16:37
 Analyst: HT
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.0	3.38	1	A
Aroclor 1221	ND		ug/kg	38.0	3.81	1	A
Aroclor 1232	ND		ug/kg	38.0	8.06	1	A
Aroclor 1242	ND		ug/kg	38.0	5.13	1	A
Aroclor 1248	ND		ug/kg	38.0	5.70	1	A
Aroclor 1254	ND		ug/kg	38.0	4.16	1	A
Aroclor 1260	11.8	J	ug/kg	38.0	7.03	1	A
Aroclor 1262	ND		ug/kg	38.0	4.83	1	A
Aroclor 1268	ND		ug/kg	38.0	3.94	1	A
PCBs, Total	11.8	J	ug/kg	38.0	3.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-09
 Client ID: S-9 (6.5-7)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 16:44
 Analyst: HT
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	3.29	1	A
Aroclor 1221	ND		ug/kg	37.0	3.71	1	A
Aroclor 1232	ND		ug/kg	37.0	7.85	1	A
Aroclor 1242	ND		ug/kg	37.0	4.99	1	A
Aroclor 1248	ND		ug/kg	37.0	5.56	1	A
Aroclor 1254	ND		ug/kg	37.0	4.05	1	A
Aroclor 1260	ND		ug/kg	37.0	6.84	1	A
Aroclor 1262	ND		ug/kg	37.0	4.70	1	A
Aroclor 1268	ND		ug/kg	37.0	3.84	1	A
PCBs, Total	ND		ug/kg	37.0	3.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-10
 Client ID: S-10 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 13:05
 Analyst: AWS
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	3.19	1	A
Aroclor 1221	ND		ug/kg	35.9	3.60	1	A
Aroclor 1232	ND		ug/kg	35.9	7.62	1	A
Aroclor 1242	ND		ug/kg	35.9	4.84	1	A
Aroclor 1248	ND		ug/kg	35.9	5.39	1	A
Aroclor 1254	ND		ug/kg	35.9	3.93	1	A
Aroclor 1260	ND		ug/kg	35.9	6.64	1	A
Aroclor 1262	ND		ug/kg	35.9	4.56	1	A
Aroclor 1268	ND		ug/kg	35.9	3.72	1	A
PCBs, Total	ND		ug/kg	35.9	3.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	19	Q	30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	30		30-150	B

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-11
 Client ID: S-11 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 14:10
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 16:57
 Analyst: HT
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	3.44	1	A
Aroclor 1221	ND		ug/kg	38.8	3.88	1	A
Aroclor 1232	ND		ug/kg	38.8	8.22	1	A
Aroclor 1242	ND		ug/kg	38.8	5.23	1	A
Aroclor 1248	ND		ug/kg	38.8	5.82	1	A
Aroclor 1254	7.89	J	ug/kg	38.8	4.24	1	A
Aroclor 1260	20.7	J	ug/kg	38.8	7.16	1	A
Aroclor 1262	ND		ug/kg	38.8	4.92	1	A
Aroclor 1268	ND		ug/kg	38.8	4.02	1	A
PCBs, Total	28.6	J	ug/kg	38.8	3.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-12
 Client ID: TW-1
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 14:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 11/04/19 17:34
 Analyst: CW

Extraction Method: EPA 3510C
 Extraction Date: 11/02/19 00:13
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/03/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 11/02/19 14:57
 Analyst: WR

Extraction Method: EPA 3510C
 Extraction Date: 11/01/19 12:23
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/01/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12 Batch: WG1303476-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 11/05/19 22:40
 Analyst: HT

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 16:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/01/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/01/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-11 Batch: WG1303589-1						
Aroclor 1016	ND		ug/kg	32.4	2.88	A
Aroclor 1221	ND		ug/kg	32.4	3.24	A
Aroclor 1232	ND		ug/kg	32.4	6.86	A
Aroclor 1242	ND		ug/kg	32.4	4.36	A
Aroclor 1248	ND		ug/kg	32.4	4.86	A
Aroclor 1254	ND		ug/kg	32.4	3.54	A
Aroclor 1260	ND		ug/kg	32.4	5.98	A
Aroclor 1262	ND		ug/kg	32.4	4.11	A
Aroclor 1268	ND		ug/kg	32.4	3.35	A
PCBs, Total	ND		ug/kg	32.4	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	54		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12 Batch: WG1303476-2 WG1303476-3									
Aroclor 1016	97		96		40-140	1		50	A
Aroclor 1260	86		88		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		92		30-150	A
Decachlorobiphenyl	86		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		87		30-150	B
Decachlorobiphenyl	97		92		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-11 Batch: WG1303589-2 WG1303589-3									
Aroclor 1016	69		72		40-140	4		50	A
Aroclor 1260	60		62		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		55		30-150	A
Decachlorobiphenyl	58		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		60		30-150	B
Decachlorobiphenyl	58		59		30-150	B

PESTICIDES

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01
 Client ID: S-1 (2.5-3)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 19:44
 Analyst: SL
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.338	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.793	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND	IP	ug/kg	1.81	0.419	1	B
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.52	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	1.23	JIP	ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01

Date Collected: 10/30/19 09:00

Client ID: S-1 (2.5-3)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	B
Decachlorobiphenyl	27	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	43		30-150	A

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-02
 Client ID: S-2 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 09:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/05/19 13:27
 Analyst: SL
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.897	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.631	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.747	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	ND		ug/kg	1.79	0.415	1	B
4,4'-DDD	ND		ug/kg	1.79	0.640	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	B
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.05	1	A
Toxaphene	ND		ug/kg	33.6	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.6	5.94	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-02

Date Collected: 10/30/19 09:30

Client ID: S-2 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	74		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-03
 Client ID: S-3 (13.5-14)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:05
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 20:07
 Analyst: SL
 Percent Solids: 71%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.14	0.418	1	A
Lindane	ND		ug/kg	0.890	0.398	1	A
Alpha-BHC	ND		ug/kg	0.890	0.253	1	A
Beta-BHC	ND		ug/kg	2.14	0.810	1	A
Heptachlor	ND		ug/kg	1.07	0.479	1	A
Aldrin	ND		ug/kg	2.14	0.752	1	A
Heptachlor epoxide	ND		ug/kg	4.01	1.20	1	A
Endrin	ND		ug/kg	0.890	0.365	1	A
Endrin aldehyde	ND		ug/kg	2.67	0.935	1	A
Endrin ketone	ND		ug/kg	2.14	0.550	1	A
Dieldrin	ND		ug/kg	1.34	0.668	1	A
4,4'-DDE	ND		ug/kg	2.14	0.494	1	A
4,4'-DDD	ND		ug/kg	2.14	0.762	1	A
4,4'-DDT	ND		ug/kg	4.01	1.72	1	A
Endosulfan I	ND		ug/kg	2.14	0.505	1	A
Endosulfan II	ND		ug/kg	2.14	0.714	1	A
Endosulfan sulfate	ND		ug/kg	0.890	0.424	1	A
Methoxychlor	ND		ug/kg	4.01	1.25	1	A
Toxaphene	ND		ug/kg	40.1	11.2	1	A
cis-Chlordane	ND		ug/kg	2.67	0.744	1	A
trans-Chlordane	ND		ug/kg	2.67	0.705	1	A
Chlordane	ND		ug/kg	17.4	7.08	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-03

Date Collected: 10/30/19 10:05

Client ID: S-3 (13.5-14)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	71		30-150	B
Decachlorobiphenyl	40		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-04
 Client ID: S-4 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 20:18
 Analyst: SL
 Percent Solids: 82%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.780	0.348	1	A
Alpha-BHC	ND		ug/kg	0.780	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.710	1	A
Heptachlor	ND		ug/kg	0.936	0.419	1	A
Aldrin	ND		ug/kg	1.87	0.659	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.780	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.819	1	A
Endrin ketone	ND		ug/kg	1.87	0.482	1	A
Dieldrin	ND		ug/kg	1.17	0.585	1	A
4,4'-DDE	0.608	JIP	ug/kg	1.87	0.433	1	B
4,4'-DDD	ND		ug/kg	1.87	0.667	1	A
4,4'-DDT	ND		ug/kg	3.51	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.625	1	A
Endosulfan sulfate	ND		ug/kg	0.780	0.371	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.82	1	A
cis-Chlordane	ND		ug/kg	2.34	0.652	1	A
trans-Chlordane	0.651	JIP	ug/kg	2.34	0.618	1	A
Chlordane	ND		ug/kg	15.2	6.20	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-04

Date Collected: 10/30/19 10:50

Client ID: S-4 (2-2.5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	64		30-150	B
Decachlorobiphenyl	42		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-05
 Client ID: S-5 (11.5-12)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 20:29
 Analyst: SL
 Percent Solids: 83%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

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	0.774	0.346	1	A
Alpha-BHC	ND		ug/kg	0.774	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.704	1	A
Heptachlor	ND		ug/kg	0.928	0.416	1	A
Aldrin	ND		ug/kg	1.86	0.654	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.774	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.812	1	A
Endrin ketone	ND		ug/kg	1.86	0.478	1	A
Dieldrin	ND		ug/kg	1.16	0.580	1	A
4,4'-DDE	ND		ug/kg	1.86	0.429	1	A
4,4'-DDD	ND		ug/kg	1.86	0.662	1	A
4,4'-DDT	ND		ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.86	0.438	1	A
Endosulfan II	ND		ug/kg	1.86	0.620	1	A
Endosulfan sulfate	ND		ug/kg	0.774	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.75	1	A
cis-Chlordane	ND		ug/kg	2.32	0.647	1	A
trans-Chlordane	ND		ug/kg	2.32	0.613	1	A
Chlordane	ND		ug/kg	15.1	6.15	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-05

Date Collected: 10/30/19 11:30

Client ID: S-5 (11.5-12)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	64		30-150	B
Decachlorobiphenyl	45		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	45		30-150	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-06
 Client ID: S-6 (9.5-10)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 11:45
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 20:41
 Analyst: SL
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.777	0.347	1	A
Alpha-BHC	ND		ug/kg	0.777	0.221	1	A
Beta-BHC	ND		ug/kg	1.86	0.707	1	A
Heptachlor	ND		ug/kg	0.932	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.50	1.05	1	A
Endrin	ND		ug/kg	0.777	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.816	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.16	0.583	1	A
4,4'-DDE	ND		ug/kg	1.86	0.431	1	A
4,4'-DDD	ND		ug/kg	1.86	0.665	1	A
4,4'-DDT	ND		ug/kg	3.50	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.623	1	A
Endosulfan sulfate	ND		ug/kg	0.777	0.370	1	A
Methoxychlor	ND		ug/kg	3.50	1.09	1	A
Toxaphene	ND		ug/kg	35.0	9.79	1	A
cis-Chlordane	ND		ug/kg	2.33	0.649	1	A
trans-Chlordane	ND		ug/kg	2.33	0.615	1	A
Chlordane	ND		ug/kg	15.1	6.18	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-06

Date Collected: 10/30/19 11:45

Client ID: S-6 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	61		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-07
 Client ID: S-7 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 12:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 20:52
 Analyst: SL
 Percent Solids: 77%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.03	0.397	1	A
Lindane	ND		ug/kg	0.845	0.378	1	A
Alpha-BHC	ND		ug/kg	0.845	0.240	1	A
Beta-BHC	ND		ug/kg	2.03	0.769	1	A
Heptachlor	ND		ug/kg	1.01	0.454	1	A
Aldrin	ND		ug/kg	2.03	0.714	1	A
Heptachlor epoxide	ND		ug/kg	3.80	1.14	1	A
Endrin	ND		ug/kg	0.845	0.346	1	A
Endrin aldehyde	ND		ug/kg	2.53	0.887	1	A
Endrin ketone	ND		ug/kg	2.03	0.522	1	A
Dieldrin	ND		ug/kg	1.27	0.634	1	A
4,4'-DDE	ND		ug/kg	2.03	0.469	1	A
4,4'-DDD	ND		ug/kg	2.03	0.723	1	A
4,4'-DDT	ND		ug/kg	3.80	1.63	1	A
Endosulfan I	ND		ug/kg	2.03	0.479	1	A
Endosulfan II	ND		ug/kg	2.03	0.678	1	A
Endosulfan sulfate	ND		ug/kg	0.845	0.402	1	A
Methoxychlor	ND		ug/kg	3.80	1.18	1	A
Toxaphene	ND		ug/kg	38.0	10.6	1	A
cis-Chlordane	ND		ug/kg	2.53	0.706	1	A
trans-Chlordane	ND		ug/kg	2.53	0.669	1	A
Chlordane	ND		ug/kg	16.5	6.72	1	A

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-07

Date Collected: 10/30/19 12:20

Client ID: S-7 (4.5-5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	51		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	46		30-150	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-08
 Client ID: S-8 (3.5-4)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:00
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 21:03
 Analyst: SL
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.363	1	A
Lindane	ND		ug/kg	0.773	0.345	1	A
Alpha-BHC	ND		ug/kg	0.773	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.703	1	A
Heptachlor	ND		ug/kg	0.927	0.416	1	A
Aldrin	ND		ug/kg	1.85	0.653	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.773	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.811	1	A
Endrin ketone	ND		ug/kg	1.85	0.478	1	A
Dieldrin	ND		ug/kg	1.16	0.580	1	A
4,4'-DDE	8.61		ug/kg	1.85	0.429	1	A
4,4'-DDD	ND		ug/kg	1.85	0.662	1	A
4,4'-DDT	13.1		ug/kg	3.48	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.438	1	A
Endosulfan II	ND		ug/kg	1.85	0.620	1	A
Endosulfan sulfate	ND		ug/kg	0.773	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.74	1	A
cis-Chlordane	ND		ug/kg	2.32	0.646	1	A
trans-Chlordane	ND		ug/kg	2.32	0.612	1	A
Chlordane	ND		ug/kg	15.1	6.14	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-08

Date Collected: 10/30/19 13:00

Client ID: S-8 (3.5-4)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	34		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	41		30-150	A

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-09
 Client ID: S-9 (6.5-7)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:20
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 21:15
 Analyst: SL
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.748	0.334	1	A
Alpha-BHC	ND		ug/kg	0.748	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.897	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.748	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.561	1	A
4,4'-DDE	ND		ug/kg	1.79	0.415	1	A
4,4'-DDD	ND		ug/kg	1.79	0.640	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.748	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.05	1	A
Toxaphene	ND		ug/kg	33.6	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.6	5.94	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-09

Date Collected: 10/30/19 13:20

Client ID: S-9 (6.5-7)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	68		30-150	B
Decachlorobiphenyl	32		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-10
 Client ID: S-10 (2-2.5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:50
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 21:26
 Analyst: SL
 Percent Solids: 88%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.744	0.333	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.79	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.79	0.629	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.782	1	A
Endrin ketone	ND		ug/kg	1.79	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	ND		ug/kg	1.79	0.413	1	A
4,4'-DDD	ND		ug/kg	1.79	0.637	1	A
4,4'-DDT	ND		ug/kg	3.35	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.422	1	A
Endosulfan II	ND		ug/kg	1.79	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.38	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.590	1	A
Chlordane	ND		ug/kg	14.5	5.92	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-10

Date Collected: 10/30/19 13:50

Client ID: S-10 (2-2.5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	69		30-150	B
Decachlorobiphenyl	35		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	48		30-150	A

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-11
 Client ID: S-11 (4.5-5)
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 14:10
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 21:37
 Analyst: SL
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.757	0.338	1	A
Alpha-BHC	ND		ug/kg	0.757	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.908	0.407	1	A
Aldrin	ND		ug/kg	1.82	0.640	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.757	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.795	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	3.73		ug/kg	1.82	0.420	1	A
4,4'-DDD	1.58	JP	ug/kg	1.82	0.648	1	A
4,4'-DDT	1.99	JP	ug/kg	3.41	1.46	1	B
Endosulfan I	ND		ug/kg	1.82	0.429	1	A
Endosulfan II	ND		ug/kg	1.82	0.607	1	A
Endosulfan sulfate	ND		ug/kg	0.757	0.360	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.54	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	14.8	6.02	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-11

Date Collected: 10/30/19 14:10

Client ID: S-11 (4.5-5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	72		30-150	B
Decachlorobiphenyl	50		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-12
 Client ID: TW-1
 Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 14:30
 Date Received: 10/30/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 11/02/19 20:20
 Analyst: BM

Extraction Method: EPA 3510C
 Extraction Date: 11/02/19 04:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-12

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	77		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/02/19 18:48
 Analyst: SL

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03-11 Batch: WG1303621-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/02/19 18:48
 Analyst: SL

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03-11 Batch: WG1303621-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	80		30-150	A

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/02/19 19:42
Analyst: BM

Extraction Method: EPA 3510C
Extraction Date: 11/02/19 04:36

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 12 Batch: WG1303737-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: Not Specified**Project Number:** 10920**Lab Number:** L1951298**Report Date:** 11/06/19**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8081B
Analytical Date: 11/02/19 19:42
Analyst: BMExtraction Method: EPA 3510C
Extraction Date: 11/02/19 04:36

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 12 Batch: WG1303737-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/04/19 21:34
 Analyst: BM

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/04/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1304442-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	12.7	5.19	A

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/04/19 21:34
 Analyst: BM

Extraction Method: EPA 3546
 Extraction Date: 11/01/19 17:35
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/04/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1304442-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	108		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	72		30-150	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03-11 Batch: WG1303621-2 WG1303621-3									
Delta-BHC	71		67		30-150	6		30	A
Lindane	66		63		30-150	5		30	A
Alpha-BHC	75		72		30-150	4		30	A
Beta-BHC	64		61		30-150	5		30	A
Heptachlor	75		73		30-150	3		30	A
Aldrin	66		62		30-150	6		30	A
Heptachlor epoxide	66		63		30-150	5		30	A
Endrin	77		73		30-150	5		30	A
Endrin aldehyde	49		45		30-150	9		30	A
Endrin ketone	72		66		30-150	9		30	A
Dieldrin	77		72		30-150	7		30	A
4,4'-DDE	70		66		30-150	6		30	A
4,4'-DDD	77		73		30-150	5		30	A
4,4'-DDT	80		77		30-150	4		30	A
Endosulfan I	66		63		30-150	5		30	A
Endosulfan II	74		68		30-150	8		30	A
Endosulfan sulfate	69		64		30-150	8		30	A
Methoxychlor	72		68		30-150	6		30	A
cis-Chlordane	56		53		30-150	6		30	A
trans-Chlordane	59		58		30-150	2		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03-11 Batch: WG1303621-2 WG1303621-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		68		30-150	B
Decachlorobiphenyl	56		41		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		69		30-150	A
Decachlorobiphenyl	71		73		30-150	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12 Batch: WG1303737-2 WG1303737-3									
Delta-BHC	66		63		30-150	5		20	A
Lindane	64		61		30-150	5		20	A
Alpha-BHC	69		65		30-150	5		20	A
Beta-BHC	60		58		30-150	3		20	A
Heptachlor	61		59		30-150	4		20	A
Aldrin	63		60		30-150	5		20	A
Heptachlor epoxide	64		62		30-150	3		20	A
Endrin	66		64		30-150	3		20	A
Endrin aldehyde	53		47		30-150	13		20	A
Endrin ketone	68		68		30-150	0		20	A
Dieldrin	67		66		30-150	2		20	A
4,4'-DDE	64		62		30-150	3		20	A
4,4'-DDD	65		64		30-150	1		20	A
4,4'-DDT	66		66		30-150	1		20	A
Endosulfan I	60		59		30-150	2		20	A
Endosulfan II	63		62		30-150	2		20	A
Endosulfan sulfate	61		60		30-150	1		20	A
Methoxychlor	73		73		30-150	1		20	A
cis-Chlordane	58		57		30-150	2		20	A
trans-Chlordane	61		59		30-150	3		20	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12 Batch: WG1303737-2 WG1303737-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		60		30-150	A
Decachlorobiphenyl	57		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		58		30-150	B
Decachlorobiphenyl	51		51		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1304442-2 WG1304442-3									
Delta-BHC	114		101		30-150	12		30	A
Lindane	67		67		30-150	0		30	A
Alpha-BHC	72		76		30-150	5		30	A
Beta-BHC	68		70		30-150	3		30	A
Heptachlor	58		54		30-150	7		30	A
Aldrin	61		64		30-150	5		30	A
Heptachlor epoxide	68		71		30-150	4		30	A
Endrin	71		74		30-150	4		30	A
Endrin aldehyde	55		49		30-150	12		30	A
Endrin ketone	64		54		30-150	17		30	A
Dieldrin	69		72		30-150	4		30	A
4,4'-DDE	61		65		30-150	6		30	A
4,4'-DDD	71		70		30-150	1		30	A
4,4'-DDT	70		59		30-150	17		30	A
Endosulfan I	61		64		30-150	5		30	A
Endosulfan II	77		75		30-150	3		30	A
Endosulfan sulfate	50		52		30-150	4		30	A
Methoxychlor	60		55		30-150	9		30	A
cis-Chlordane	57		58		30-150	2		30	A
trans-Chlordane	74		78		30-150	5		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1304442-2 WG1304442-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		78		30-150	B
Decachlorobiphenyl	93		98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		68		30-150	A
Decachlorobiphenyl	73		78		30-150	A

METALS

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01

Date Collected: 10/30/19 09:00

Client ID: S-1 (2.5-3)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7090		mg/kg	8.97	2.42	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.49	0.341	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Arsenic, Total	3.13		mg/kg	0.897	0.187	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Barium, Total	92.0		mg/kg	0.897	0.156	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Beryllium, Total	0.224	J	mg/kg	0.449	0.030	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Cadmium, Total	0.987		mg/kg	0.897	0.088	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Calcium, Total	2610		mg/kg	8.97	3.14	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Chromium, Total	62.1		mg/kg	0.897	0.086	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Cobalt, Total	12.8		mg/kg	1.79	0.149	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Copper, Total	44.9		mg/kg	0.897	0.231	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Iron, Total	16600		mg/kg	4.49	0.810	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Lead, Total	73.8		mg/kg	4.49	0.240	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Magnesium, Total	3610		mg/kg	8.97	1.38	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Manganese, Total	383		mg/kg	0.897	0.143	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Mercury, Total	0.064	J	mg/kg	0.078	0.051	1	11/01/19 21:44	11/02/19 12:13	EPA 7471B	1,7471B	AL
Nickel, Total	95.7		mg/kg	2.24	0.217	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Potassium, Total	1750		mg/kg	224	12.9	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.79	0.231	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.897	0.254	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Sodium, Total	204		mg/kg	179	2.83	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.79	0.283	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Vanadium, Total	26.7		mg/kg	0.897	0.182	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC
Zinc, Total	102		mg/kg	4.49	0.263	2	11/01/19 22:18	11/05/19 22:07	EPA 3050B	1,6010D	MC



Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-02

Date Collected: 10/30/19 09:30

Client ID: S-2 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	14100		mg/kg	8.90	2.40	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.45	0.338	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Arsenic, Total	0.970		mg/kg	0.890	0.185	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Barium, Total	143		mg/kg	0.890	0.155	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Beryllium, Total	0.294	J	mg/kg	0.445	0.029	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Cadmium, Total	1.58		mg/kg	0.890	0.087	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Calcium, Total	2920		mg/kg	8.90	3.11	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Chromium, Total	59.4		mg/kg	0.890	0.085	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Cobalt, Total	16.2		mg/kg	1.78	0.148	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Copper, Total	61.9		mg/kg	0.890	0.230	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Iron, Total	30800		mg/kg	4.45	0.803	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Lead, Total	4.79		mg/kg	4.45	0.238	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Magnesium, Total	13200		mg/kg	8.90	1.37	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Manganese, Total	757		mg/kg	0.890	0.141	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.081	0.053	1	11/01/19 21:44	11/02/19 12:16	EPA 7471B	1,7471B	AL
Nickel, Total	95.3		mg/kg	2.22	0.215	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Potassium, Total	10300		mg/kg	222	12.8	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Selenium, Total	1.09	J	mg/kg	1.78	0.230	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.890	0.252	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Sodium, Total	172	J	mg/kg	178	2.80	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.78	0.280	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Vanadium, Total	68.0		mg/kg	0.890	0.181	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC
Zinc, Total	62.1		mg/kg	4.45	0.261	2	11/01/19 22:18	11/05/19 22:28	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-03

Date Collected: 10/30/19 10:05

Client ID: S-3 (13.5-14)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	14400		mg/kg	11.3	3.05	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.64	0.429	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Arsenic, Total	9.53		mg/kg	1.13	0.235	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Barium, Total	119		mg/kg	1.13	0.196	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Beryllium, Total	0.745		mg/kg	0.564	0.037	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Cadmium, Total	1.51		mg/kg	1.13	0.110	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Calcium, Total	1560		mg/kg	11.3	3.95	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Chromium, Total	86.9		mg/kg	1.13	0.108	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Cobalt, Total	26.9		mg/kg	2.26	0.187	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Copper, Total	73.2		mg/kg	1.13	0.291	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Iron, Total	29900		mg/kg	5.64	1.02	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Lead, Total	14.4		mg/kg	5.64	0.302	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Magnesium, Total	7520		mg/kg	11.3	1.74	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Manganese, Total	372		mg/kg	1.13	0.179	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.104	0.068	1	11/01/19 21:44	11/02/19 12:19	EPA 7471B	1,7471B	AL
Nickel, Total	186		mg/kg	2.82	0.273	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Potassium, Total	6100		mg/kg	282	16.2	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.26	0.291	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.13	0.319	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Sodium, Total	163	J	mg/kg	226	3.55	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.26	0.355	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Vanadium, Total	46.1		mg/kg	1.13	0.229	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC
Zinc, Total	93.1		mg/kg	5.64	0.331	2	11/01/19 22:18	11/05/19 22:33	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-04

Date Collected: 10/30/19 10:50

Client ID: S-4 (2-2.5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6000		mg/kg	9.24	2.49	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.62	0.351	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Arsenic, Total	2.53		mg/kg	0.924	0.192	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Barium, Total	19.4		mg/kg	0.924	0.161	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Beryllium, Total	0.296	J	mg/kg	0.462	0.031	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Cadmium, Total	1.14		mg/kg	0.924	0.091	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Calcium, Total	855		mg/kg	9.24	3.23	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Chromium, Total	14.4		mg/kg	0.924	0.089	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Cobalt, Total	5.40		mg/kg	1.85	0.153	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Copper, Total	138		mg/kg	0.924	0.238	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Iron, Total	22600		mg/kg	4.62	0.834	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Lead, Total	11.2		mg/kg	4.62	0.248	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Magnesium, Total	1240		mg/kg	9.24	1.42	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Manganese, Total	200		mg/kg	0.924	0.147	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.077	0.050	1	11/01/19 21:44	11/02/19 12:29	EPA 7471B	1,7471B	AL
Nickel, Total	18.0		mg/kg	2.31	0.224	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Potassium, Total	611		mg/kg	231	13.3	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.85	0.238	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.924	0.261	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Sodium, Total	140	J	mg/kg	185	2.91	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.85	0.291	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Vanadium, Total	15.8		mg/kg	0.924	0.188	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC
Zinc, Total	21.1		mg/kg	4.62	0.271	2	11/01/19 22:18	11/05/19 22:50	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-05

Date Collected: 10/30/19 11:30

Client ID: S-5 (11.5-12)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	14900		mg/kg	9.40	2.54	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.70	0.357	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Arsenic, Total	3.29		mg/kg	0.940	0.195	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Barium, Total	208		mg/kg	0.940	0.163	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Beryllium, Total	0.460	J	mg/kg	0.470	0.031	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Cadmium, Total	1.46		mg/kg	0.940	0.092	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Calcium, Total	6000		mg/kg	9.40	3.29	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Chromium, Total	50.2		mg/kg	0.940	0.090	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Cobalt, Total	15.7		mg/kg	1.88	0.156	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Copper, Total	66.4		mg/kg	0.940	0.242	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Iron, Total	26100		mg/kg	4.70	0.848	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Lead, Total	107		mg/kg	4.70	0.252	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Magnesium, Total	6780		mg/kg	9.40	1.45	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Manganese, Total	518		mg/kg	0.940	0.149	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Mercury, Total	0.142		mg/kg	0.079	0.051	1	11/01/19 21:44	11/02/19 12:32	EPA 7471B	1,7471B	AL
Nickel, Total	70.7		mg/kg	2.35	0.227	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Potassium, Total	5690		mg/kg	235	13.5	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.88	0.242	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.940	0.266	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Sodium, Total	283		mg/kg	188	2.96	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.88	0.296	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Vanadium, Total	61.4		mg/kg	0.940	0.191	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC
Zinc, Total	164		mg/kg	4.70	0.275	2	11/01/19 22:18	11/05/19 22:54	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-06

Date Collected: 10/30/19 11:45

Client ID: S-6 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	10800		mg/kg	9.21	2.49	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.61	0.350	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Arsenic, Total	4.08		mg/kg	0.921	0.192	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Barium, Total	147		mg/kg	0.921	0.160	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Beryllium, Total	0.368	J	mg/kg	0.461	0.030	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Cadmium, Total	1.33		mg/kg	0.921	0.090	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Calcium, Total	4360		mg/kg	9.21	3.22	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Chromium, Total	51.6		mg/kg	0.921	0.088	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Cobalt, Total	15.7		mg/kg	1.84	0.153	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Copper, Total	60.8		mg/kg	0.921	0.238	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Iron, Total	22500		mg/kg	4.61	0.832	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Lead, Total	131		mg/kg	4.61	0.247	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Magnesium, Total	7430		mg/kg	9.21	1.42	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Manganese, Total	308		mg/kg	0.921	0.146	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Mercury, Total	0.154		mg/kg	0.084	0.054	1	11/01/19 21:44	11/02/19 12:36	EPA 7471B	1,7471B	AL
Nickel, Total	92.2		mg/kg	2.30	0.223	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Potassium, Total	3350		mg/kg	230	13.3	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.84	0.238	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.921	0.261	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Sodium, Total	177	J	mg/kg	184	2.90	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.84	0.290	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Vanadium, Total	62.2		mg/kg	0.921	0.187	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC
Zinc, Total	128		mg/kg	4.61	0.270	2	11/01/19 22:18	11/05/19 22:59	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-07

Date Collected: 10/30/19 12:20

Client ID: S-7 (4.5-5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	26900		mg/kg	9.96	2.69	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.98	0.379	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Arsenic, Total	2.12		mg/kg	0.996	0.207	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Barium, Total	60.1		mg/kg	0.996	0.173	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Beryllium, Total	0.568		mg/kg	0.498	0.033	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Cadmium, Total	1.54		mg/kg	0.996	0.098	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Calcium, Total	10800		mg/kg	9.96	3.49	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Chromium, Total	49.0		mg/kg	0.996	0.096	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Cobalt, Total	17.4		mg/kg	1.99	0.165	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Copper, Total	43.3		mg/kg	0.996	0.257	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Iron, Total	29700		mg/kg	4.98	0.900	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Lead, Total	28.3		mg/kg	4.98	0.267	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Magnesium, Total	7640		mg/kg	9.96	1.53	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Manganese, Total	281		mg/kg	0.996	0.158	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Mercury, Total	0.086	J	mg/kg	0.106	0.069	1	11/01/19 21:44	11/02/19 12:39	EPA 7471B	1,7471B	AL
Nickel, Total	45.7		mg/kg	2.49	0.241	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Potassium, Total	6190		mg/kg	249	14.4	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.99	0.257	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.996	0.282	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Sodium, Total	1520		mg/kg	199	3.14	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Thallium, Total	0.369	J	mg/kg	1.99	0.314	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Vanadium, Total	63.7		mg/kg	0.996	0.202	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC
Zinc, Total	74.4		mg/kg	4.98	0.292	2	11/01/19 22:18	11/05/19 23:03	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-08

Date Collected: 10/30/19 13:00

Client ID: S-8 (3.5-4)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	9120		mg/kg	9.09	2.45	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.54	0.345	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Arsenic, Total	43.4		mg/kg	0.909	0.189	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Barium, Total	122		mg/kg	0.909	0.158	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Beryllium, Total	0.327	J	mg/kg	0.454	0.030	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Cadmium, Total	1.13		mg/kg	0.909	0.089	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Calcium, Total	1880		mg/kg	9.09	3.18	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Chromium, Total	87.4		mg/kg	0.909	0.087	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Cobalt, Total	9.15		mg/kg	1.82	0.151	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Copper, Total	33.4		mg/kg	0.909	0.234	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Iron, Total	15900		mg/kg	4.54	0.821	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Lead, Total	411		mg/kg	4.54	0.244	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Magnesium, Total	2570		mg/kg	9.09	1.40	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Manganese, Total	314		mg/kg	0.909	0.144	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Mercury, Total	0.445		mg/kg	0.075	0.049	1	11/01/19 21:44	11/02/19 12:42	EPA 7471B	1,7471B	AL
Nickel, Total	51.1		mg/kg	2.27	0.220	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Potassium, Total	1170		mg/kg	227	13.1	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Selenium, Total	0.618	J	mg/kg	1.82	0.234	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.909	0.257	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Sodium, Total	69.7	J	mg/kg	182	2.86	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.82	0.286	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Vanadium, Total	40.4		mg/kg	0.909	0.184	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC
Zinc, Total	176		mg/kg	4.54	0.266	2	11/01/19 22:18	11/05/19 23:08	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-09

Date Collected: 10/30/19 13:20

Client ID: S-9 (6.5-7)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6540		mg/kg	8.93	2.41	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.46	0.339	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Arsenic, Total	1.44		mg/kg	0.893	0.186	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Barium, Total	70.1		mg/kg	0.893	0.155	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Beryllium, Total	0.179	J	mg/kg	0.446	0.030	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Cadmium, Total	0.956		mg/kg	0.893	0.088	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Calcium, Total	1640		mg/kg	8.93	3.12	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Chromium, Total	71.0		mg/kg	0.893	0.086	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Cobalt, Total	16.1		mg/kg	1.79	0.148	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Copper, Total	28.7		mg/kg	0.893	0.230	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Iron, Total	18500		mg/kg	4.46	0.806	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Lead, Total	27.4		mg/kg	4.46	0.239	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Magnesium, Total	4770		mg/kg	8.93	1.38	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Manganese, Total	448		mg/kg	0.893	0.142	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.080	0.052	1	11/01/19 21:44	11/02/19 12:46	EPA 7471B	1,7471B	AL
Nickel, Total	198		mg/kg	2.23	0.216	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Potassium, Total	1900		mg/kg	223	12.9	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.79	0.230	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.893	0.253	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Sodium, Total	182		mg/kg	179	2.81	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.79	0.281	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Vanadium, Total	22.4		mg/kg	0.893	0.181	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC
Zinc, Total	30.7		mg/kg	4.46	0.262	2	11/01/19 22:18	11/05/19 23:12	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-10

Date Collected: 10/30/19 13:50

Client ID: S-10 (2-2.5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	11100		mg/kg	8.72	2.35	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.36	0.331	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Arsenic, Total	2.16		mg/kg	0.872	0.181	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Barium, Total	51.1		mg/kg	0.872	0.152	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Beryllium, Total	0.366	J	mg/kg	0.436	0.029	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Cadmium, Total	0.942		mg/kg	0.872	0.086	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Calcium, Total	1090		mg/kg	8.72	3.05	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Chromium, Total	61.3		mg/kg	0.872	0.084	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Cobalt, Total	17.6		mg/kg	1.74	0.145	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Copper, Total	19.8		mg/kg	0.872	0.225	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Iron, Total	19100		mg/kg	4.36	0.788	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Lead, Total	4.57		mg/kg	4.36	0.234	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Magnesium, Total	3420		mg/kg	8.72	1.34	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Manganese, Total	591		mg/kg	0.872	0.139	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.080	0.052	1	11/01/19 21:44	11/02/19 12:49	EPA 7471B	1,7471B	AL
Nickel, Total	126		mg/kg	2.18	0.211	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Potassium, Total	1830		mg/kg	218	12.6	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.74	0.225	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.872	0.247	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Sodium, Total	67.9	J	mg/kg	174	2.75	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.74	0.275	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Vanadium, Total	26.5		mg/kg	0.872	0.177	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC
Zinc, Total	26.7		mg/kg	4.36	0.256	2	11/01/19 22:18	11/05/19 23:16	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-11

Date Collected: 10/30/19 14:10

Client ID: S-11 (4.5-5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	17700		mg/kg	9.08	2.45	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.54	0.345	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Arsenic, Total	3.33		mg/kg	0.908	0.189	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Barium, Total	234		mg/kg	0.908	0.158	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Beryllium, Total	0.408	J	mg/kg	0.454	0.030	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Cadmium, Total	1.25		mg/kg	0.908	0.089	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Calcium, Total	9670		mg/kg	9.08	3.18	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Chromium, Total	31.3		mg/kg	0.908	0.087	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Cobalt, Total	10.4		mg/kg	1.82	0.151	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Copper, Total	25.1		mg/kg	0.908	0.234	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Iron, Total	23400		mg/kg	4.54	0.820	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Lead, Total	105		mg/kg	4.54	0.243	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Magnesium, Total	7380		mg/kg	9.08	1.40	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Manganese, Total	288		mg/kg	0.908	0.144	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Mercury, Total	0.099		mg/kg	0.080	0.052	1	11/01/19 21:44	11/02/19 12:52	EPA 7471B	1,7471B	AL
Nickel, Total	36.0		mg/kg	2.27	0.220	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Potassium, Total	2040		mg/kg	227	13.1	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.82	0.234	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.908	0.257	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Sodium, Total	453		mg/kg	182	2.86	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.82	0.286	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Vanadium, Total	38.4		mg/kg	0.908	0.184	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC
Zinc, Total	110		mg/kg	4.54	0.266	2	11/01/19 22:18	11/05/19 23:21	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-12

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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	79.1		mg/l	0.0100	0.00327	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Arsenic, Total	0.04932		mg/l	0.00050	0.00016	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Barium, Total	1.998		mg/l	0.00050	0.00017	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00844		mg/l	0.00050	0.00010	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00251		mg/l	0.00020	0.00005	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Calcium, Total	541.		mg/l	5.00	1.97	50	11/02/19 13:49	11/04/19 18:35	EPA 3005A	1,6020B	AM
Chromium, Total	0.7324		mg/l	0.00100	0.00017	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Cobalt, Total	0.3483		mg/l	0.00050	0.00016	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Copper, Total	0.8496		mg/l	0.00100	0.00038	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Iron, Total	593.		mg/l	5.00	0.955	50	11/02/19 13:49	11/04/19 18:35	EPA 3005A	1,6020B	AM
Lead, Total	0.3198		mg/l	0.00100	0.00034	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Magnesium, Total	387.		mg/l	0.0700	0.0242	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Manganese, Total	20.46		mg/l	0.05000	0.02200	50	11/02/19 13:49	11/04/19 18:35	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/01/19 12:51	11/01/19 18:18	EPA 7470A	1,7470A	AL
Nickel, Total	4.168		mg/l	0.00200	0.00055	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Potassium, Total	62.1		mg/l	0.100	0.0309	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Selenium, Total	0.0400		mg/l	0.00500	0.00173	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Silver, Total	0.00232		mg/l	0.00040	0.00016	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Sodium, Total	153.		mg/l	0.100	0.0293	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Thallium, Total	0.00367		mg/l	0.00100	0.00014	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Vanadium, Total	0.3392		mg/l	0.00500	0.00157	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM
Zinc, Total	0.9392		mg/l	0.01000	0.00341	1	11/02/19 13:49	11/04/19 16:52	EPA 3005A	1,6020B	AM

Dissolved Metals - Mansfield Lab

Aluminum, Dissolved	0.0759		mg/l	0.0100	0.00327	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00045	J	mg/l	0.00400	0.00042	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00079		mg/l	0.00050	0.00016	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1778		mg/l	0.00050	0.00017	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM



Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19**SAMPLE RESULTS**

Lab ID: L1951298-12

Date Collected: 10/30/19 14:30

Client ID: TW-1

Date Received: 10/30/19

Sample Location: PORTCHESTER, 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
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Calcium, Dissolved	91.5		mg/l	0.100	0.0394	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00172		mg/l	0.00100	0.00017	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00407		mg/l	0.00050	0.00016	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00164		mg/l	0.00100	0.00038	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Iron, Dissolved	1.97		mg/l	0.100	0.0191	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00037	J	mg/l	0.00100	0.00034	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	80.8		mg/l	0.0700	0.0242	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Manganese, Dissolved	1.990		mg/l	0.00100	0.00044	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/04/19 14:32	11/05/19 12:47	EPA 7470A	1,7470A	GD
Nickel, Dissolved	0.05238		mg/l	0.00200	0.00055	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Potassium, Dissolved	11.0		mg/l	0.100	0.0309	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Sodium, Dissolved	146.		mg/l	0.150	0.0293	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.00752	J	mg/l	0.01000	0.00341	1	11/02/19 15:27	11/04/19 20:41	EPA 3005A	1,6020B	AM



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

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): 12 Batch: WG1303480-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/01/19 12:51	11/01/19 18:06	1,7470A	AL

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-11 Batch: WG1303636-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/01/19 22:18	11/05/19 21:58	1,6010D	MC

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-11 Batch: WG1303648-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	11/01/19 21:44	11/02/19 11:30	1,7471B	AL

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): 12 Batch: WG1303860-1									
Aluminum, Total	ND	mg/l	0.0100	0.00327	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Antimony, Total	ND	mg/l	0.00400	0.00042	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Arsenic, Total	ND	mg/l	0.00050	0.00016	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Barium, Total	ND	mg/l	0.00050	0.00017	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Beryllium, Total	ND	mg/l	0.00050	0.00010	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Cadmium, Total	ND	mg/l	0.00020	0.00005	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Calcium, Total	ND	mg/l	0.100	0.0394	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Chromium, Total	ND	mg/l	0.00100	0.00017	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Cobalt, Total	ND	mg/l	0.00050	0.00016	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Copper, Total	ND	mg/l	0.00100	0.00038	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Iron, Total	ND	mg/l	0.100	0.0191	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Lead, Total	ND	mg/l	0.00100	0.00034	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Magnesium, Total	ND	mg/l	0.0700	0.0242	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Manganese, Total	ND	mg/l	0.00100	0.00044	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Nickel, Total	ND	mg/l	0.00200	0.00055	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Potassium, Total	ND	mg/l	0.100	0.0309	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Selenium, Total	ND	mg/l	0.00500	0.00173	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Thallium, Total	ND	mg/l	0.00100	0.00014	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Vanadium, Total	ND	mg/l	0.00500	0.00157	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	11/02/19 13:49	11/04/19 13:44	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 12 Batch: WG1303875-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Antimony, Dissolved	0.00061	J	mg/l	0.00400	0.00042	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Iron, Dissolved	0.0226	J	mg/l	0.100	0.0191	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Sodium, Dissolved	0.129	J	mg/l	0.150	0.0293	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/02/19 15:27	11/04/19 19:15	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 12 Batch: WG1304316-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/04/19 14:32	11/05/19 12:38	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control**Project Name:** Not Specified**Project Number:** 10920**Lab Number:** L1951298**Report Date:** 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1303480-2								
Mercury, Total	116		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 Batch: WG1303636-2 SRM Lot Number: D105-540					
Aluminum, Total	58	-	51-149	-	
Antimony, Total	128	-	19-249	-	
Arsenic, Total	95	-	70-130	-	
Barium, Total	88	-	75-125	-	
Beryllium, Total	97	-	75-125	-	
Cadmium, Total	98	-	75-125	-	
Calcium, Total	79	-	73-127	-	
Chromium, Total	88	-	70-130	-	
Cobalt, Total	92	-	75-125	-	
Copper, Total	90	-	75-125	-	
Iron, Total	72	-	38-162	-	
Lead, Total	90	-	71-128	-	
Magnesium, Total	77	-	63-137	-	
Manganese, Total	81	-	76-124	-	
Nickel, Total	92	-	70-131	-	
Potassium, Total	75	-	60-140	-	
Selenium, Total	92	-	63-137	-	
Silver, Total	90	-	69-131	-	
Sodium, Total	88	-	37-162	-	
Thallium, Total	96	-	68-132	-	
Vanadium, Total	85	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 Batch: WG1303636-2 SRM Lot Number: D105-540					
Zinc, Total	91	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-11 Batch: WG1303648-2 SRM Lot Number: D105-540					
Mercury, Total	99	-	60-141	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1303860-2					
Aluminum, Total	106	-	80-120	-	
Antimony, Total	102	-	80-120	-	
Arsenic, Total	111	-	80-120	-	
Barium, Total	108	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	112	-	80-120	-	
Calcium, Total	110	-	80-120	-	
Chromium, Total	112	-	80-120	-	
Cobalt, Total	111	-	80-120	-	
Copper, Total	107	-	80-120	-	
Iron, Total	116	-	80-120	-	
Lead, Total	109	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	108	-	80-120	-	
Nickel, Total	112	-	80-120	-	
Potassium, Total	103	-	80-120	-	
Selenium, Total	116	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	105	-	80-120	-	
Thallium, Total	114	-	80-120	-	
Vanadium, Total	109	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** Not Specified**Project Number:** 10920**Lab Number:** L1951298**Report Date:** 11/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1303860-2					
Zinc, Total	114	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1303875-2					
Aluminum, Dissolved	100	-	80-120	-	
Antimony, Dissolved	85	-	80-120	-	
Arsenic, Dissolved	101	-	80-120	-	
Barium, Dissolved	101	-	80-120	-	
Beryllium, Dissolved	97	-	80-120	-	
Cadmium, Dissolved	105	-	80-120	-	
Calcium, Dissolved	108	-	80-120	-	
Chromium, Dissolved	102	-	80-120	-	
Cobalt, Dissolved	102	-	80-120	-	
Copper, Dissolved	96	-	80-120	-	
Iron, Dissolved	110	-	80-120	-	
Lead, Dissolved	103	-	80-120	-	
Magnesium, Dissolved	105	-	80-120	-	
Manganese, Dissolved	102	-	80-120	-	
Nickel, Dissolved	101	-	80-120	-	
Potassium, Dissolved	103	-	80-120	-	
Selenium, Dissolved	98	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Sodium, Dissolved	103	-	80-120	-	
Thallium, Dissolved	109	-	80-120	-	
Vanadium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** Not Specified**Project Number:** 10920**Lab Number:** L1951298**Report Date:** 11/06/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1303875-2					
Zinc, Dissolved	104	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1304316-2					
Mercury, Dissolved	92	-	80-120	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

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): 12 QC Batch ID: WG1303480-3 QC Sample: L1951259-08 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00539	108		-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

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): 01-11			QC Batch ID: WG1303636-3			QC Sample: L1951298-01		Client ID: S-1 (2.5-3)		
Aluminum, Total	7090	179	7350	145	Q	-	-	75-125	-	20
Antimony, Total	ND	44.9	39.6	88		-	-	75-125	-	20
Arsenic, Total	3.13	10.8	13.3	94		-	-	75-125	-	20
Barium, Total	92.0	179	267	98		-	-	75-125	-	20
Beryllium, Total	0.224J	4.49	4.62	103		-	-	75-125	-	20
Cadmium, Total	0.987	4.58	5.27	94		-	-	75-125	-	20
Calcium, Total	2610	897	2300	0	Q	-	-	75-125	-	20
Chromium, Total	62.1	17.9	74.0	66	Q	-	-	75-125	-	20
Cobalt, Total	12.8	44.9	53.6	91		-	-	75-125	-	20
Copper, Total	44.9	22.4	68.6	106		-	-	75-125	-	20
Iron, Total	16600	89.7	16100	0	Q	-	-	75-125	-	20
Lead, Total	73.8	45.8	114	88		-	-	75-125	-	20
Magnesium, Total	3610	897	3900	32	Q	-	-	75-125	-	20
Manganese, Total	383	44.9	376	0	Q	-	-	75-125	-	20
Nickel, Total	95.7	44.9	142	103		-	-	75-125	-	20
Potassium, Total	1750	897	2820	119		-	-	75-125	-	20
Selenium, Total	ND	10.8	10.0	93		-	-	75-125	-	20
Silver, Total	ND	26.9	26.8	100		-	-	75-125	-	20
Sodium, Total	204	897	1100	100		-	-	75-125	-	20
Thallium, Total	ND	10.8	9.20	85		-	-	75-125	-	20
Vanadium, Total	26.7	44.9	68.9	94		-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

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): 01-11 QC Batch ID: WG1303636-3 QC Sample: L1951298-01 Client ID: S-1 (2.5-3)									
Zinc, Total	102	44.9	165	140	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1303648-3 WG1303648-4 QC Sample: L1951293-03 Client ID: MS Sample									
Mercury, Total	0.154	0.18	0.321	93	0.334	96	80-120	4	20

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

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): 12 QC Batch ID: WG1303860-3 QC Sample: L1951351-17 Client ID: MS Sample									
Aluminum, Total	0.0458	2	2.16	106	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.2657	53	Q	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1067	89	-	-	75-125	-	20
Barium, Total	0.00149	2	2.057	103	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05188	104	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.05149	101	-	-	75-125	-	20
Calcium, Total	0.459	10	11.0	105	-	-	75-125	-	20
Chromium, Total	0.00265	0.2	0.2242	111	-	-	75-125	-	20
Cobalt, Total	0.00023J	0.5	0.5628	112	-	-	75-125	-	20
Copper, Total	0.00274	0.25	0.2736	108	-	-	75-125	-	20
Iron, Total	0.387	1	1.40	101	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5418	106	-	-	75-125	-	20
Magnesium, Total	0.0679J	10	10.6	106	-	-	75-125	-	20
Manganese, Total	0.01034	0.5	0.5546	109	-	-	75-125	-	20
Nickel, Total	0.00087J	0.5	0.5458	109	-	-	75-125	-	20
Potassium, Total	0.0669J	10	10.5	105	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.138	115	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04915	98	-	-	75-125	-	20
Sodium, Total	0.469	10	10.9	104	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1316	110	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5505	110	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

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): 12 QC Batch ID: WG1303860-3 QC Sample: L1951351-17 Client ID: MS Sample									
Zinc, Total	0.00347J	0.5	0.5677	114	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1303875-3 QC Sample: L1950972-01 Client ID: MS Sample									
Aluminum, Dissolved	1.66	2	3.74	104	-	-	75-125	-	20
Antimony, Dissolved	0.00199J	0.5	0.4564	91	-	-	75-125	-	20
Arsenic, Dissolved	0.00285	0.12	0.1252	102	-	-	75-125	-	20
Barium, Dissolved	0.03190	2	2.047	101	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05009	100	-	-	75-125	-	20
Cadmium, Dissolved	0.00006J	0.051	0.05318	104	-	-	75-125	-	20
Calcium, Dissolved	25.9	10	35.0	91	-	-	75-125	-	20
Chromium, Dissolved	0.01018	0.2	0.2167	103	-	-	75-125	-	20
Cobalt, Dissolved	0.00250	0.5	0.5223	104	-	-	75-125	-	20
Copper, Dissolved	0.01689	0.25	0.2628	98	-	-	75-125	-	20
Iron, Dissolved	2.49	1	3.62	113	-	-	75-125	-	20
Lead, Dissolved	0.01267	0.51	0.5476	105	-	-	75-125	-	20
Magnesium, Dissolved	2.82	10	13.4	106	-	-	75-125	-	20
Manganese, Dissolved	0.1355	0.5	0.6506	103	-	-	75-125	-	20
Nickel, Dissolved	0.00566	0.5	0.5084	100	-	-	75-125	-	20
Potassium, Dissolved	36.2	10	43.3	71	Q	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.124	103	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04908	98	-	-	75-125	-	20
Sodium, Dissolved	66.3	10	67.5	12	Q	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1303	108	-	-	75-125	-	20
Vanadium, Dissolved	0.00501	0.5	0.5053	100	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1303875-3 QC Sample: L1950972-01 Client ID: MS Sample									
Zinc, Dissolved	0.01261	0.5	0.5419	106	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1304316-3 QC Sample: L1951484-05 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00459	92	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1303480-4 QC Sample: L1951259-08 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1303636-4 QC Sample: L1951298-01 Client ID: S-1 (2.5-3)					
Aluminum, Total	7090	7870	mg/kg	10	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	3.13	3.62	mg/kg	15	20
Barium, Total	92.0	94.7	mg/kg	3	20
Beryllium, Total	0.224J	0.210J	mg/kg	NC	20
Cadmium, Total	0.987	1.05	mg/kg	6	20
Calcium, Total	2610	1560	mg/kg	50	Q 20
Chromium, Total	62.1	66.9	mg/kg	7	20
Cobalt, Total	12.8	13.7	mg/kg	7	20
Copper, Total	44.9	98.8	mg/kg	75	Q 20
Iron, Total	16600	17600	mg/kg	6	20
Lead, Total	73.8	95.3	mg/kg	25	Q 20
Magnesium, Total	3610	3270	mg/kg	10	20
Manganese, Total	383	355	mg/kg	8	20
Nickel, Total	95.7	102	mg/kg	6	20
Potassium, Total	1750	2070	mg/kg	17	20
Selenium, Total	ND	0.446J	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	204	220	mg/kg	8	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-11 QC Batch ID: WG1303636-4 QC Sample: L1951298-01 Client ID: S-1 (2.5-3)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	26.7	29.9	mg/kg	11	20
Zinc, Total	102	137	mg/kg	29	Q 20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1303860-4 QC Sample: L1951351-17 Client ID: DUP Sample					
Aluminum, Total	0.0458	0.0463	mg/l	1	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	0.00149	0.00141	mg/l	5	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	0.459	0.447	mg/l	3	20
Chromium, Total	0.00265	0.00255	mg/l	4	20
Cobalt, Total	0.00023J	0.00027J	mg/l	NC	20
Copper, Total	0.00274	0.00301	mg/l	9	20
Iron, Total	0.387	0.384	mg/l	1	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	0.0679J	0.0673J	mg/l	NC	20
Manganese, Total	0.01034	0.00965	mg/l	7	20
Nickel, Total	0.00087J	0.00104J	mg/l	NC	20
Potassium, Total	0.0669J	0.0678J	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	0.469	0.468	mg/l	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1303860-4 QC Sample: L1951351-17 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.00347J	ND	mg/l	NC	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1303875-4 QC Sample: L1950972-01 Client ID: DUP Sample					
Aluminum, Dissolved	1.66	1.55	mg/l	7	20
Antimony, Dissolved	0.00199J	0.00221J	mg/l	NC	20
Arsenic, Dissolved	0.00285	0.00303	mg/l	6	20
Barium, Dissolved	0.03190	0.03137	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.00006J	ND	mg/l	NC	20
Calcium, Dissolved	25.9	24.5	mg/l	6	20
Chromium, Dissolved	0.01018	0.00975	mg/l	4	20
Cobalt, Dissolved	0.00250	0.00225	mg/l	10	20
Copper, Dissolved	0.01689	0.01671	mg/l	1	20
Iron, Dissolved	2.49	2.29	mg/l	8	20
Lead, Dissolved	0.01267	0.01200	mg/l	5	20
Magnesium, Dissolved	2.82	2.68	mg/l	5	20
Manganese, Dissolved	0.1355	0.1334	mg/l	2	20
Nickel, Dissolved	0.00566	0.00526	mg/l	7	20
Potassium, Dissolved	36.2	33.8	mg/l	7	20
Selenium, Dissolved	ND	0.00237J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	66.3	59.0	mg/l	12	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1303875-4 QC Sample: L1950972-01 Client ID: DUP Sample					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.00501	0.00492J	mg/l	NC	20
Zinc, Dissolved	0.01261	0.01236	mg/l	2	20
Dissolved Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1304316-4 QC Sample: L1951484-05 Client ID: DUP Sample					
Mercury, Dissolved	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-01

Date Collected: 10/30/19 09:00

Client ID: S-1 (2.5-3)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.2	0.25	1	10/31/19 13:50	11/01/19 12:32	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-02

Date Collected: 10/30/19 09:30

Client ID: S-2 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

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	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	0.39	J	mg/kg	1.0	0.22	1	10/31/19 13:50	11/01/19 12:34	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-03

Date Collected: 10/30/19 10:05

Client ID: S-3 (13.5-14)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.9		%	0.100	NA	1	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.4	0.29	1	10/31/19 13:50	11/01/19 12:35	1,9010C/9012B	LH



Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-04

Client ID: S-4 (2-2.5)

Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 10:50

Date Received: 10/30/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

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	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.2	0.25	1	10/31/19 13:50	11/01/19 12:36	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-05

Date Collected: 10/30/19 11:30

Client ID: S-5 (11.5-12)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.1	0.24	1	10/31/19 13:50	11/01/19 12:37	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-06

Date Collected: 10/30/19 11:45

Client ID: S-6 (9.5-10)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.1	0.24	1	10/31/19 13:50	11/01/19 12:38	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-07

Date Collected: 10/30/19 12:20

Client ID: S-7 (4.5-5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.6		%	0.100	NA	1	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.3	0.27	1	10/31/19 13:50	11/01/19 12:39	1,9010C/9012B	LH



Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-08

Client ID: S-8 (3.5-4)

Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:00

Date Received: 10/30/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.1	0.24	1	10/31/19 13:50	11/01/19 12:42	1,9010C/9012B	LH



Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-09

Client ID: S-9 (6.5-7)

Sample Location: PORTCHESTER, NY

Date Collected: 10/30/19 13:20

Date Received: 10/30/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.1	0.24	1	10/31/19 13:50	11/01/19 12:43	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-10

Date Collected: 10/30/19 13:50

Client ID: S-10 (2-2.5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.1	0.23	1	10/31/19 13:50	11/01/19 12:46	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951298

Project Number: 10920

Report Date: 11/06/19

SAMPLE RESULTS

Lab ID: L1951298-11

Date Collected: 10/30/19 14:10

Client ID: S-11 (4.5-5)

Date Received: 10/30/19

Sample Location: PORTCHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	10/31/19 03:11	121,2540G	YA
Cyanide, Total	ND		mg/kg	1.2	0.24	1	10/31/19 13:50	11/01/19 12:47	1,9010C/9012B	LH



Project Name: Not Specified**Project Number:** 10920**Lab Number:** L1951298**Report Date:** 11/06/19**SAMPLE RESULTS****Lab ID:** L1951298-12**Client ID:** TW-1**Sample Location:** PORTCHESTER, NY**Date Collected:** 10/30/19 14:30**Date Received:** 10/30/19**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

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	11/01/19 10:45	11/01/19 14:12	1,9010C/9012B	LH



Project Name:
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

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): 01-08 Batch: WG1302980-1										
Cyanide, Total	ND		mg/kg	0.91	0.19	1	10/31/19 13:50	11/01/19 12:19	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 09-11 Batch: WG1302984-1										
Cyanide, Total	ND		mg/kg	0.91	0.19	1	10/31/19 13:50	11/01/19 12:20	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 12 Batch: WG1303364-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	11/01/19 10:45	11/01/19 13:50	1,9010C/9012B	LH

Lab Control Sample Analysis**Batch Quality Control****Project Name:** Not Specified**Project Number:** 10920**Lab Number:** L1951298**Report Date:** 11/06/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1302980-2 WG1302980-3								
Cyanide, Total	56	Q	49	Q	80-120	13		35
General Chemistry - Westborough Lab Associated sample(s): 09-11 Batch: WG1302984-2 WG1302984-3								
Cyanide, Total	55	Q	48	Q	80-120	14		35
General Chemistry - Westborough Lab Associated sample(s): 12 Batch: WG1303364-2 WG1303364-3								
Cyanide, Total	97		93		85-115	4		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951298

Report Date: 11/06/19

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): 01-08 QC Batch ID: WG1302980-4 WG1302980-5 QC Sample: L1951216-01 Client ID: MS Sample												
Cyanide, Total	ND	12	12	100		12	100		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 09-11 QC Batch ID: WG1302984-4 WG1302984-5 QC Sample: L1951298-09 Client ID: S-9 (6.5-7)												
Cyanide, Total	ND	11	11	96		11	96		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG1303364-4 WG1303364-5 QC Sample: L1951171-01 Client ID: MS Sample												
Cyanide, Total	0.016	0.2	0.144	64	Q	0.165	74	Q	80-120	14		20

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** Not Specified**Project Number:** 10920**Lab Number:** L1951298**Report Date:** 11/06/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1302766-1 QC Sample: L1951298-03 Client ID: S-3 (13.5-14)						
Solids, Total	70.9	73.6	%	4		20

Project Name: Not Specified
Project Number: 10920

Serial_No:11061917:39
Lab Number: L1951298
Report Date: 11/06/19

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(*)
L1951298-01A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-01B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-01C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),SE-Ti(180),ZN-Ti(180),PB-Ti(180),SB-Ti(180),CU-Ti(180),V-Ti(180),CO-Ti(180),MG-Ti(180),FE-Ti(180),HG-T(28),MN-Ti(180),CA-Ti(180),NA-Ti(180),CD-Ti(180),K-Ti(180)
L1951298-01E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-01F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-01X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-01Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:36	NYTCL-8260HLW(14)
L1951298-01Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:36	NYTCL-8260HLW(14)
L1951298-02A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-02B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-02C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),TL-Ti(180),CR-Ti(180),NI-Ti(180),AL-Ti(180),SE-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),FE-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1951298-02E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-02F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NJEPH(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-02X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-02Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:36	NYTCL-8260HLW(14)

Project Name: Not Specified
Project Number: 10920

Serial_No:11061917:39
Lab Number: L1951298
Report Date: 11/06/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951298-02Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:36	NYTCL-8260HLW(14)
L1951298-03A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-03B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-03C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),NI-Ti(180),AL-Ti(180),PB-Ti(180),SB-Ti(180),CU-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180),K-Ti(180)
L1951298-03E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-03F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-03X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-03Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:36	NYTCL-8260HLW(14)
L1951298-03Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:36	NYTCL-8260HLW(14)
L1951298-04A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-04B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-04C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),PB-Ti(180),CU-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),MN-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),K-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180)
L1951298-04E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-04F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-04X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-04Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:36	NYTCL-8260HLW(14)
L1951298-04Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:36	NYTCL-8260HLW(14)
L1951298-05A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-05B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-05C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951298-05D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),NI-Ti(180),TL-Ti(180),CR-Ti(180),AL-Ti(180),PB-Ti(180),ZN-Ti(180),SB-Ti(180),SE-Ti(180),CU-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),MG-Ti(180),FE-Ti(180),HG-T(28),K-Ti(180),NA-Ti(180),CA-Ti(180),CD-Ti(180)
L1951298-05E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-05F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-05X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-05Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-05Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-06A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-06B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-06C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-06D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),SB-Ti(180),PB-Ti(180),SE-Ti(180),ZN-Ti(180),CU-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180),CD-Ti(180)
L1951298-06E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-06F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NJEPH(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-06X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-06Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-06Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-07A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-07B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-07C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-07D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),PB-Ti(180),CU-Ti(180),SE-Ti(180),ZN-Ti(180),SB-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),FE-Ti(180),NA-Ti(180),K-Ti(180),CA-Ti(180),CD-Ti(180)
L1951298-07E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)

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L1951298-07F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-07X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-07Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-07Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-08A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-08B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-08C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-08D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),AL-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),SB-Ti(180),PB-Ti(180),SE-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),MN-Ti(180),FE-Ti(180),MG-Ti(180),NA-Ti(180),CD-Ti(180),K-Ti(180),CA-Ti(180)
L1951298-08E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-08F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-08X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-08Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-08Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-09A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-09B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-09C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-09D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),SB-Ti(180),SE-Ti(180),PB-Ti(180),CU-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),FE-Ti(180),CA-Ti(180),NA-Ti(180),CD-Ti(180),K-Ti(180)
L1951298-09E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-09F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-09X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-09Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-09Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)

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Container Information

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L1951298-10A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-10B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-10C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-10D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),AL-Ti(180),TL-Ti(180),SB-Ti(180),ZN-Ti(180),CU-Ti(180),PB-Ti(180),SE-Ti(180),CO-Ti(180),V-Ti(180),HG-T(28),MN-Ti(180),MG-Ti(180),FE-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180),CA-Ti(180)
L1951298-10E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-10F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-10X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-10Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-10Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-11A	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-11B	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-11C	5 gram Encore Sampler	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-11D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),NI-Ti(180),CR-Ti(180),TL-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CU-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),HG-T(28),MN-Ti(180),CA-Ti(180),K-Ti(180),NA-Ti(180),CD-Ti(180)
L1951298-11E	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L1951298-11F	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951298-11X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L1951298-11Y	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-11Z	Vial Water preserved split	A	NA		4.3	Y	Absent	31-OCT-19 14:38	NYTCL-8260HLW(14)
L1951298-12A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1951298-12B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1951298-12C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1951298-12D	Amber 120ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8081(7)
L1951298-12E	Amber 120ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8081(7)

*Values in parentheses indicate holding time in days

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Container Information

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L1951298-12F	Amber 120ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8082-LVI(7)
L1951298-12G	Amber 120ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8082-LVI(7)
L1951298-12H	Plastic 250ml unpreserved	A	7	7	4.3	Y	Absent		-
L1951298-12J	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L1951298-12K	Plastic 250ml NaOH preserved	A	>12	>12	4.3	Y	Absent		TCN-9010(14)
L1951298-12L	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1951298-12M	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1951298-12X	Plastic 120ml HNO3 preserved Filtrates	A	NA		4.3	Y	Absent		CU-6020S(180),V-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),ZN-6020S(180),CO-6020S(180),BE-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)

Project Name: Not Specified**Lab Number:** L1951298**Project Number:** 10920**Report Date:** 11/06/19

GLOSSARY

Acronyms

DL	- 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
LCS D	- 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.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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

Report Format: DU Report with 'J' Qualifiers

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- 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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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 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.
- 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).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: Not Specified
Project Number: 10920

Lab Number: L1951298
Report Date: 11/06/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 15

Published Date: 8/15/2019 9:53:42 AM

Page 1 of 1

Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; 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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-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, **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 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** 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 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, 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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW JERSEY CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		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 2		Date Rec'd in Lab 10/30/19		ALPHA Job # L1951298																																									
		Project Information Project Name: Project Location: Port Chester, NY Project # 10920 (Use Project name as Project #) ☒		Deliverables ☐ NJ Full / Reduced ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other email, excel		Billing Information ☒ Same as Client Info PO # 10920 Phase 1																																											
Client Information Client: Sesi Address: 12a Maple Ave Pine Brook, NJ Phone: 173 808 9050 Fax: Email: JAM@Sesi.org		Project Manager: Jesse Mausner ALPHAQuote #: Turn-Around Time Standard ☒ 1 week Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ SRS Residential/Non Residential ☐ SRS Impact to Groundwater ☐ NJ Ground Water Quality Standards ☐ NJ IGW SPLP Leachate Criteria ☒ Other NY unrestricted		Site Information Is this site impacted by Petroleum? Yes ☐ Petroleum Product:																																											
These samples have been previously analyzed by Alpha ☐		For EPH, selection is REQUIRED: ☐ Category 1 ☐ Category 2		For VOC, selection is REQUIRED: ☐ 1,4-Dioxane ☐ 8011		Other project specific requirements/comments: Please specify Metals or TAL.		ANALYSIS <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">TAL</td> <td style="width:5%;">EPH</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> <td style="width:5%;">Total</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		TAL	EPH	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	X																			
TAL	EPH	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total																														
X																																																	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)		Sample Specific Comments		Total Bottles																																			
E1298-01		S-1 (2.5-3)		10/30/19 900		Soil		JCS		X																																							
02		S-2 (9.5-10)		930						X																																							
03		S-3 (13.5-14)		1005																																													
04		S-4 (2.2-5)		1050																																													
05		S-5 (11.5-12)		1130																																													
06		S-6 (9.5-10)		1145						X																																							
07		S-7 (4.5-5)		1220																																													
08		S-8 (3.5-4)		1300																																													
09		S-9 (1.5-7)		1320																																													
10		S-10 (2.2-5)		1350																																													
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 PA E		Preservative		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.)																																							
Relinquished By: [Signature] Date/Time: 10/30/19 1455		Received By: [Signature] Date/Time: 10/30/19 1455		Relinquished By: [Signature] Date/Time: 10/30/19 1410		Received By: [Signature] Date/Time: 10/30/19 1645		Relinquished By: [Signature] Date/Time: 10/30/19 2130		Received By: [Signature] Date/Time: 10/30/19 2082																																							



ANALYTICAL REPORT

Lab Number:	L1951621
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	Not Specified
Project Number:	10920
Report Date:	11/08/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1951621-01	S-12 (2.5-3)	SOIL	PORT CHESTER, NY	10/31/19 08:20	10/31/19
L1951621-02	S-13 (5.5-6)	SOIL	PORT CHESTER, NY	10/31/19 08:35	10/31/19
L1951621-03	S-14 (8.5-9)	SOIL	PORT CHESTER, NY	10/31/19 09:15	10/31/19
L1951621-04	S-15 (11.5-12)	SOIL	PORT CHESTER, NY	10/31/19 09:45	10/31/19
L1951621-05	S-16 (8.5-9)	SOIL	PORT CHESTER, NY	10/31/19 10:05	10/31/19
L1951621-06	S-17 (3-3.5)	SOIL	PORT CHESTER, NY	10/31/19 10:25	10/31/19
L1951621-07	S-18 (3.5-4)	SOIL	PORT CHESTER, NY	10/31/19 10:55	10/31/19
L1951621-08	S-19 (10.5-11)	SOIL	PORT CHESTER, NY	10/31/19 11:35	10/31/19
L1951621-09	S-19 (13.5-14)	SOIL	PORT CHESTER, NY	10/31/19 12:00	10/31/19
L1951621-10	S-20 (3.5-4)	SOIL	PORT CHESTER, NY	10/31/19 12:25	10/31/19
L1951621-11	TW-2	WATER	PORT CHESTER, NY	10/31/19 13:25	10/31/19
L1951621-12	GW-3	WATER	PORT CHESTER, NY	10/31/19 13:00	10/31/19

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

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

L1951621-11: A container for Dissolved Metals was received for the "TW-2" sample, but was not listed on the chain of custody. At the client's request, the analysis was performed.

L1951621-12: A container for Dissolved Metals was received for the "GW-3" sample, but was not listed on the chain of custody. At the client's request, the analysis was performed.

Volatile Organics

L1951621-02: Differences were noted between the acetone results. Due to acetone being a compound of concern, the results of both analyses are reported.

L1951621-07: The internal standard (IS) response(s) for 1,4-dichlorobenzene-d4 (42%) was outside the acceptance criteria; however, re-analysis achieved similar results: chlorobenzene-d5 (42%) and 1,4-dichlorobenzene-d4 (9%) and the surrogate recoveries for toluene-d8 (131%) and 4-bromofluorobenzene (222%). The results of both analyses are reported.

L1951621-08: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (140%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics

L1951621-08: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1303878-2/-3 LCS/LCSD recoveries, associated with L1951621-01 through -10, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Case Narrative (continued)

NJ EPH

L1951621-08: The surrogate recoveries are below the acceptance criteria for chloro-octadecane (0%) and o-terphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

WG1304861-2/-3: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

WG1304861: The Matrix Spike and Laboratory Duplicate did not require fractionation, and therefore are not reported for this analysis.

Total Metals

L1951621-01 through -10: 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 WG1304570-1 Method Blank, associated with L1951621-09, has a concentration above the reporting limit for iron and manganese. Since the associated sample concentrations are greater than 10x the blank concentration for these analytes, no corrective action is required.

The WG1304428-3 MS recoveries for aluminum (835%), calcium (219%), iron (2450%), magnesium (47%), and manganese (151%), performed on L1951621-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

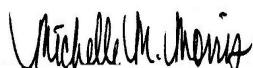
The WG1304428-3 MS recovery, performed on L1951621-01, is outside the acceptance criteria for copper (140%). A post digestion spike was performed and was within acceptance criteria.

Cyanide, Total

The WG1303465-2/-3 LCS/LCSD recoveries (70%/72%), associated with L1951621-01 through -10, 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: 11/08/19

ORGANICS

VOLATILES

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01
 Client ID: S-12 (2.5-3)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:20
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/05/19 23:30
 Analyst: NLK
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01
 Client ID: S-12 (2.5-3)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:20
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.20	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01
 Client ID: S-12 (2.5-3)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:20
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.20	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02
 Client ID: S-13 (5.5-6)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/05/19 23:55
 Analyst: NLK
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.31	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02
 Client ID: S-13 (5.5-6)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	60		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	11		ug/kg	11	2.6	1
Vinyl acetate	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-02
 Client ID: S-13 (5.5-6)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02 R

Date Collected: 10/31/19 08:35

Client ID: S-13 (5.5-6)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 11/06/19 23:17

Analyst: NLK

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.16	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.0	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02 R

Date Collected: 10/31/19 08:35

Client ID: S-13 (5.5-6)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.21	1
p/m-Xylene	ND		ug/kg	2.0	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	26		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	4.2	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.14	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	24		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-02 R

Date Collected: 10/31/19 08:35

Client ID: S-13 (5.5-6)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.5	1

Tentatively Identified Compounds

Total TIC Compounds	2.68	J	ug/kg	1
Unknown	2.68	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-03
 Client ID: S-14 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:15
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/19 00:20
 Analyst: NLK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-03
 Client ID: S-14 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:15
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-03
 Client ID: S-14 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:15
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	75	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-04
 Client ID: S-15 (11.5-12)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:45
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/19 00:45
 Analyst: NLK
 Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.62	0.24	1
Chlorobenzene	ND		ug/kg	0.62	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.86	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	0.21	1
Bromodichloromethane	ND		ug/kg	0.62	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.62	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.62	0.20	1
Bromoform	ND		ug/kg	5.0	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	0.21	1
Benzene	ND		ug/kg	0.62	0.21	1
Toluene	ND		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.72	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.56	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-04
 Client ID: S-15 (11.5-12)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:45
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.62	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.8	1
Vinyl acetate	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.0	0.81	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-04
 Client ID: S-15 (11.5-12)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:45
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	99	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	1.8	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-05
 Client ID: S-16 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:05
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/19 01:10
 Analyst: NLK
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-05
 Client ID: S-16 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:05
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-05
 Client ID: S-16 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:05
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-06
 Client ID: S-17 (3-3.5)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/19 01:35
 Analyst: NLK
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-06
 Client ID: S-17 (3-3.5)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-06
 Client ID: S-17 (3-3.5)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	101		70-130

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-07
 Client ID: S-18 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:55
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/19 02:00
 Analyst: NLK
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	ND		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07
 Client ID: S-18 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:55
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.29	1
Xylenes, Total	ND		ug/kg	0.98	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.17	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07
 Client ID: S-18 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:55
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	102		70-130

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-07 R

Date Collected: 10/31/19 10:55

Client ID: S-18 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 11/06/19 11:45

Analyst: JC

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07 R

Date Collected: 10/31/19 10:55

Client ID: S-18 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	0.26	J	ug/kg	2.6	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.27	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	1.2	J	ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-07 R

Date Collected: 10/31/19 10:55

Client ID: S-18 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1

Tentatively Identified Compounds

Total TIC Compounds	3.01	J	ug/kg	1
Ethane, 1,1-Difluoro-	3.01	NJ	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	131	Q	70-130
4-Bromofluorobenzene	222	Q	70-130
Dibromofluoromethane	106		70-130

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-08
 Client ID: S-19 (10.5-11)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 11:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/19 03:40
 Analyst: NLK
 Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	350	160	1
1,1-Dichloroethane	ND		ug/kg	70	10.	1
Chloroform	ND		ug/kg	100	9.8	1
Carbon tetrachloride	ND		ug/kg	70	16.	1
1,2-Dichloropropane	ND		ug/kg	70	8.8	1
Dibromochloromethane	ND		ug/kg	70	9.8	1
1,1,2-Trichloroethane	ND		ug/kg	70	19.	1
Tetrachloroethene	ND		ug/kg	35	14.	1
Chlorobenzene	ND		ug/kg	35	8.9	1
Trichlorofluoromethane	ND		ug/kg	280	49.	1
1,2-Dichloroethane	ND		ug/kg	70	18.	1
1,1,1-Trichloroethane	ND		ug/kg	35	12.	1
Bromodichloromethane	ND		ug/kg	35	7.6	1
trans-1,3-Dichloropropene	ND		ug/kg	70	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	35	11.	1
1,3-Dichloropropene, Total	ND		ug/kg	35	11.	1
1,1-Dichloropropene	ND		ug/kg	35	11.	1
Bromoform	ND		ug/kg	280	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	35	12.	1
Benzene	28	J	ug/kg	35	12.	1
Toluene	ND		ug/kg	70	38.	1
Ethylbenzene	2200		ug/kg	70	9.9	1
Chloromethane	ND		ug/kg	280	65.	1
Bromomethane	ND		ug/kg	140	41.	1
Vinyl chloride	ND		ug/kg	70	23.	1
Chloroethane	ND		ug/kg	140	32.	1
1,1-Dichloroethene	ND		ug/kg	70	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.6	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08
 Client ID: S-19 (10.5-11)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 11:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	35	9.6	1
1,2-Dichlorobenzene	38	J	ug/kg	140	10.	1
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	12	J	ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	ND		ug/kg	140	39.	1
o-Xylene	20	J	ug/kg	70	20.	1
Xylenes, Total	20	J	ug/kg	70	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	70	12.	1
1,2-Dichloroethene, Total	ND		ug/kg	70	9.6	1
Dibromomethane	ND		ug/kg	140	17.	1
Styrene	ND		ug/kg	70	14.	1
Dichlorodifluoromethane	ND		ug/kg	700	64.	1
Acetone	ND		ug/kg	700	340	1
Carbon disulfide	ND		ug/kg	700	320	1
2-Butanone	ND		ug/kg	700	160	1
Vinyl acetate	ND		ug/kg	700	150	1
4-Methyl-2-pentanone	ND		ug/kg	700	90.	1
1,2,3-Trichloropropane	ND		ug/kg	140	8.9	1
2-Hexanone	ND		ug/kg	700	83.	1
Bromochloromethane	ND		ug/kg	140	14.	1
2,2-Dichloropropane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	70	20.	1
1,3-Dichloropropane	ND		ug/kg	140	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	35	9.2	1
Bromobenzene	ND		ug/kg	140	10.	1
n-Butylbenzene	1800		ug/kg	70	12.	1
sec-Butylbenzene	1100		ug/kg	70	10.	1
tert-Butylbenzene	55	J	ug/kg	140	8.3	1
o-Chlorotoluene	ND		ug/kg	140	13.	1
p-Chlorotoluene	ND		ug/kg	140	7.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	70.	1
Hexachlorobutadiene	ND		ug/kg	280	12.	1
Isopropylbenzene	950		ug/kg	70	7.6	1
p-Isopropyltoluene	ND		ug/kg	70	7.6	1
Naphthalene	7300		ug/kg	280	46.	1
Acrylonitrile	ND		ug/kg	280	80.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08
 Client ID: S-19 (10.5-11)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 11:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	2400		ug/kg	70	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
1,3,5-Trimethylbenzene	ND		ug/kg	140	14.	1
1,2,4-Trimethylbenzene	ND		ug/kg	140	23.	1
1,4-Dioxane	ND		ug/kg	5600	2400	1
p-Diethylbenzene	1100		ug/kg	140	12.	1
p-Ethyltoluene	ND		ug/kg	140	27.	1
1,2,4,5-Tetramethylbenzene	3500		ug/kg	140	13.	1
Ethyl ether	ND		ug/kg	140	24.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	350	99.	1

Tentatively Identified Compounds

Total TIC Compounds	110000	J	ug/kg			1
Unknown Aromatic	8580	J	ug/kg			1
Unknown Benzene	8450	J	ug/kg			1
Unknown Aromatic	3820	J	ug/kg			1
Unknown Aromatic	7880	J	ug/kg			1
Unknown Aromatic	6290	J	ug/kg			1
Unknown Aromatic	10800	J	ug/kg			1
Unknown Aromatic	7270	J	ug/kg			1
Unknown Aromatic	10800	J	ug/kg			1
Unknown Benzene	6810	J	ug/kg			1
Unknown Aromatic	4920	J	ug/kg			1
Unknown Aromatic	6020	J	ug/kg			1
Unknown Aromatic	8340	J	ug/kg			1
Unknown Aromatic	10400	J	ug/kg			1
Unknown Naphthalene	4010	J	ug/kg			1
Unknown	5570	J	ug/kg			1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08

Date Collected: 10/31/19 11:35

Client ID: S-19 (10.5-11)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	140	Q	70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-09
 Client ID: S-19 (13.5-14)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/19 12:10
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	0.24	J	ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-09
 Client ID: S-19 (13.5-14)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.0	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	0.26	J	ug/kg	1.2	0.19	1
sec-Butylbenzene	0.41	J	ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	0.18	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	0.86	J	ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-09
 Client ID: S-19 (13.5-14)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.35	J	ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	0.44	J	ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1

Tentatively Identified Compounds

Total TIC Compounds	5.92	J	ug/kg	1
Unknown Aromatic	2.80	J	ug/kg	1
Unknown Aromatic	3.12	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10
 Client ID: S-20 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/19 12:36
 Analyst: JC
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10
 Client ID: S-20 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-10
 Client ID: S-20 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-11
 Client ID: TW-2
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/05/19 21:18
 Analyst: NLK

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
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	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

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-11

Date Collected: 10/31/19 13:25

Client ID: TW-2

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	21		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
Vinyl acetate	ND		ug/l	5.0	1.0	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
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	9.6		ug/l	2.5	0.70	1

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS****Lab ID:** L1951621-11**Date Collected:** 10/31/19 13:25**Client ID:** TW-2**Date Received:** 10/31/19**Sample Location:** PORT CHESTER, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	112		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12
 Client ID: GW-3
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/05/19 21:48
 Analyst: NLK

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
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	1.0		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	0.81	J	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

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12
 Client ID: GW-3
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	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
Vinyl acetate	ND		ug/l	5.0	1.0	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
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.85	J	ug/l	2.5	0.70	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12
 Client ID: GW-3
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	0.94	J	ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.4	J	ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

Total TIC Compounds	42.5	J	ug/l	1
Cyclohexane, methyl-	1.49	NJ	ug/l	1
Unknown Aromatic	8.41	J	ug/l	1
Unknown	1.37	J	ug/l	1
Unknown	1.57	J	ug/l	1
Unknown Alkene	1.35	J	ug/l	1
Unknown Benzene	2.01	J	ug/l	1
Unknown	1.87	J	ug/l	1
Unknown	1.65	J	ug/l	1
Unknown Alkene	1.61	J	ug/l	1
Unknown Aromatic	1.54	J	ug/l	1
Unknown Benzene	4.83	J	ug/l	1
Unknown Aromatic	2.28	J	ug/l	1
Unknown Aromatic	9.23	J	ug/l	1
Unknown	1.82	J	ug/l	1
Unknown	1.44	J	ug/l	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12

Date Collected: 10/31/19 13:00

Client ID: GW-3

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	110		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/19 11:19
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07,09-10 Batch: WG1305250-10					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/19 11:19
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07,09-10 Batch: WG1305250-10					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.24	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/19 11:19
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07,09-10 Batch: WG1305250-10					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/19 11:19
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07,09-10 Batch: WG1305250-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1305250-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1305250-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.28	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1305250-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-07 Batch: WG1305250-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1305252-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1305252-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	14	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:43
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1305252-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 19:43
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08 Batch: WG1305252-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:17
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1305274-5					
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
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
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

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:17
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1305274-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
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
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
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
Vinyl acetate	ND		ug/l	5.0	1.0
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
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/19 19:17
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1305274-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	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
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	0.62	J	ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/05/19 19:17
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1305274-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	113		70-130

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/19 21:54
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1305762-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.14	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/19 21:54
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1305762-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.28	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/19 21:54
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1305762-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: Not Specified**Project Number:** 10920**Lab Number:** L1951621**Report Date:** 11/08/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/19 21:54
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1305762-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1305250-3 WG1305250-4								
Methylene chloride	101		102		70-130	1		30
1,1-Dichloroethane	109		110		70-130	1		30
Chloroform	113		114		70-130	1		30
Carbon tetrachloride	105		108		70-130	3		30
1,2-Dichloropropane	107		109		70-130	2		30
Dibromochloromethane	86		88		70-130	2		30
1,1,2-Trichloroethane	86		87		70-130	1		30
Tetrachloroethene	89		90		70-130	1		30
Chlorobenzene	96		96		70-130	0		30
Trichlorofluoromethane	97		95		70-139	2		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	103		102		70-130	1		30
Bromodichloromethane	97		98		70-130	1		30
trans-1,3-Dichloropropene	92		92		70-130	0		30
cis-1,3-Dichloropropene	103		104		70-130	1		30
1,1-Dichloropropene	108		107		70-130	1		30
Bromoform	81		83		70-130	2		30
1,1,2,2-Tetrachloroethane	76		77		70-130	1		30
Benzene	102		102		70-130	0		30
Toluene	90		90		70-130	0		30
Ethylbenzene	92		91		70-130	1		30
Chloromethane	123		121		52-130	2		30
Bromomethane	138		133		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1305250-3 WG1305250-4								
Vinyl chloride	126		123		67-130	2		30
Chloroethane	118		114		50-151	3		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		106		70-130	1		30
Trichloroethene	102		102		70-130	0		30
1,2-Dichlorobenzene	82		82		70-130	0		30
1,3-Dichlorobenzene	84		84		70-130	0		30
1,4-Dichlorobenzene	82		82		70-130	0		30
Methyl tert butyl ether	103		105		66-130	2		30
p/m-Xylene	88		88		70-130	0		30
o-Xylene	87		86		70-130	1		30
cis-1,2-Dichloroethene	103		105		70-130	2		30
Dibromomethane	97		99		70-130	2		30
Styrene	87		86		70-130	1		30
Dichlorodifluoromethane	108		110		30-146	2		30
Acetone	132		124		54-140	6		30
Carbon disulfide	108		109		59-130	1		30
2-Butanone	112		108		70-130	4		30
Vinyl acetate	121		122		70-130	1		30
4-Methyl-2-pentanone	99		101		70-130	2		30
1,2,3-Trichloropropane	78		80		68-130	3		30
2-Hexanone	105		100		70-130	5		30
Bromochloromethane	100		103		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1305250-3 WG1305250-4								
2,2-Dichloropropane	113		113		70-130	0		30
1,2-Dibromoethane	86		88		70-130	2		30
1,3-Dichloropropane	86		87		69-130	1		30
1,1,1,2-Tetrachloroethane	85		85		70-130	0		30
Bromobenzene	79		80		70-130	1		30
n-Butylbenzene	88		86		70-130	2		30
sec-Butylbenzene	86		85		70-130	1		30
tert-Butylbenzene	86		85		70-130	1		30
o-Chlorotoluene	82		82		70-130	0		30
p-Chlorotoluene	83		83		70-130	0		30
1,2-Dibromo-3-chloropropane	84		85		68-130	1		30
Hexachlorobutadiene	82		82		67-130	0		30
Isopropylbenzene	84		84		70-130	0		30
p-Isopropyltoluene	88		87		70-130	1		30
Naphthalene	85		83		70-130	2		30
Acrylonitrile	117		119		70-130	2		30
n-Propylbenzene	87		86		70-130	1		30
1,2,3-Trichlorobenzene	84		84		70-130	0		30
1,2,4-Trichlorobenzene	86		86		70-130	0		30
1,3,5-Trimethylbenzene	84		84		70-130	0		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
1,4-Dioxane	114		118		65-136	3		30
p-Diethylbenzene	89		89		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-07 Batch: WG1305250-3 WG1305250-4								
p-Ethyltoluene	87		86		70-130	1		30
1,2,4,5-Tetramethylbenzene	85		84		70-130	1		30
Ethyl ether	106		108		67-130	2		30
trans-1,4-Dichloro-2-butene	86		89		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	90		90		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07,09-10 Batch: WG1305250-8 WG1305250-9								
Methylene chloride	106		104		70-130	2		30
1,1-Dichloroethane	109		104		70-130	5		30
Chloroform	114		110		70-130	4		30
Carbon tetrachloride	111		105		70-130	6		30
1,2-Dichloropropane	109		106		70-130	3		30
Dibromochloromethane	91		89		70-130	2		30
1,1,2-Trichloroethane	88		85		70-130	3		30
Tetrachloroethene	93		88		70-130	6		30
Chlorobenzene	96		92		70-130	4		30
Trichlorofluoromethane	94		89		70-139	5		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	104		98		70-130	6		30
Bromodichloromethane	100		99		70-130	1		30
trans-1,3-Dichloropropene	93		91		70-130	2		30
cis-1,3-Dichloropropene	107		105		70-130	2		30
1,1-Dichloropropene	108		102		70-130	6		30
Bromoform	88		87		70-130	1		30
1,1,2,2-Tetrachloroethane	79		79		70-130	0		30
Benzene	100		98		70-130	2		30
Toluene	87		84		70-130	4		30
Ethylbenzene	88		84		70-130	5		30
Chloromethane	116		112		52-130	4		30
Bromomethane	121		122		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07,09-10 Batch: WG1305250-8 WG1305250-9								
Vinyl chloride	116		110		67-130	5		30
Chloroethane	106		101		50-151	5		30
1,1-Dichloroethene	112		107		65-135	5		30
trans-1,2-Dichloroethene	109		105		70-130	4		30
Trichloroethene	101		96		70-130	5		30
1,2-Dichlorobenzene	84		82		70-130	2		30
1,3-Dichlorobenzene	85		83		70-130	2		30
1,4-Dichlorobenzene	82		82		70-130	0		30
Methyl tert butyl ether	110		110		66-130	0		30
p/m-Xylene	84		80		70-130	5		30
o-Xylene	84		80		70-130	5		30
cis-1,2-Dichloroethene	109		105		70-130	4		30
Dibromomethane	102		102		70-130	0		30
Styrene	84		80		70-130	5		30
Dichlorodifluoromethane	106		100		30-146	6		30
Acetone	122		124		54-140	2		30
Carbon disulfide	110		103		59-130	7		30
2-Butanone	112		111		70-130	1		30
Vinyl acetate	123		124		70-130	1		30
4-Methyl-2-pentanone	102		100		70-130	2		30
1,2,3-Trichloropropane	80		81		68-130	1		30
2-Hexanone	102		100		70-130	2		30
Bromochloromethane	111		110		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07,09-10 Batch: WG1305250-8 WG1305250-9								
2,2-Dichloropropane	112		107		70-130	5		30
1,2-Dibromoethane	91		89		70-130	2		30
1,3-Dichloropropane	87		86		69-130	1		30
1,1,1,2-Tetrachloroethane	86		83		70-130	4		30
Bromobenzene	84		83		70-130	1		30
n-Butylbenzene	85		81		70-130	5		30
sec-Butylbenzene	85		81		70-130	5		30
tert-Butylbenzene	84		81		70-130	4		30
o-Chlorotoluene	81		78		70-130	4		30
p-Chlorotoluene	82		80		70-130	2		30
1,2-Dibromo-3-chloropropane	87		86		68-130	1		30
Hexachlorobutadiene	84		80		67-130	5		30
Isopropylbenzene	83		81		70-130	2		30
p-Isopropyltoluene	87		83		70-130	5		30
Naphthalene	89		89		70-130	0		30
Acrylonitrile	121		121		70-130	0		30
n-Propylbenzene	84		81		70-130	4		30
1,2,3-Trichlorobenzene	88		87		70-130	1		30
1,2,4-Trichlorobenzene	89		87		70-130	2		30
1,3,5-Trimethylbenzene	83		81		70-130	2		30
1,2,4-Trimethylbenzene	82		80		70-130	2		30
1,4-Dioxane	111		111		65-136	0		30
p-Diethylbenzene	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07,09-10 Batch: WG1305250-8 WG1305250-9								
p-Ethyltoluene	84		82		70-130	2		30
1,2,4,5-Tetramethylbenzene	86		83		70-130	4		30
Ethyl ether	112		112		67-130	0		30
trans-1,4-Dichloro-2-butene	90		88		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		92		70-130
Toluene-d8	88		88		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1305252-3 WG1305252-4								
Methylene chloride	101		102		70-130	1		30
1,1-Dichloroethane	109		110		70-130	1		30
Chloroform	113		114		70-130	1		30
Carbon tetrachloride	105		108		70-130	3		30
1,2-Dichloropropane	107		109		70-130	2		30
Dibromochloromethane	86		88		70-130	2		30
1,1,2-Trichloroethane	86		87		70-130	1		30
Tetrachloroethene	89		90		70-130	1		30
Chlorobenzene	96		96		70-130	0		30
Trichlorofluoromethane	97		95		70-139	2		30
1,2-Dichloroethane	98		99		70-130	1		30
1,1,1-Trichloroethane	103		102		70-130	1		30
Bromodichloromethane	97		98		70-130	1		30
trans-1,3-Dichloropropene	92		92		70-130	0		30
cis-1,3-Dichloropropene	103		104		70-130	1		30
1,1-Dichloropropene	108		107		70-130	1		30
Bromoform	81		83		70-130	2		30
1,1,2,2-Tetrachloroethane	76		77		70-130	1		30
Benzene	102		102		70-130	0		30
Toluene	90		90		70-130	0		30
Ethylbenzene	92		91		70-130	1		30
Chloromethane	123		121		52-130	2		30
Bromomethane	138		133		57-147	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1305252-3 WG1305252-4								
Vinyl chloride	126		123		67-130	2		30
Chloroethane	118		114		50-151	3		30
1,1-Dichloroethene	107		107		65-135	0		30
trans-1,2-Dichloroethene	105		106		70-130	1		30
Trichloroethene	102		102		70-130	0		30
1,2-Dichlorobenzene	82		82		70-130	0		30
1,3-Dichlorobenzene	84		84		70-130	0		30
1,4-Dichlorobenzene	82		82		70-130	0		30
Methyl tert butyl ether	103		105		66-130	2		30
p/m-Xylene	88		88		70-130	0		30
o-Xylene	87		86		70-130	1		30
cis-1,2-Dichloroethene	103		105		70-130	2		30
Dibromomethane	97		99		70-130	2		30
Styrene	87		86		70-130	1		30
Dichlorodifluoromethane	108		110		30-146	2		30
Acetone	132		124		54-140	6		30
Carbon disulfide	108		109		59-130	1		30
2-Butanone	112		108		70-130	4		30
Vinyl acetate	121		122		70-130	1		30
4-Methyl-2-pentanone	99		101		70-130	2		30
1,2,3-Trichloropropane	78		80		68-130	3		30
2-Hexanone	105		100		70-130	5		30
Bromochloromethane	100		103		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1305252-3 WG1305252-4								
2,2-Dichloropropane	113		113		70-130	0		30
1,2-Dibromoethane	86		88		70-130	2		30
1,3-Dichloropropane	86		87		69-130	1		30
1,1,1,2-Tetrachloroethane	85		85		70-130	0		30
Bromobenzene	79		80		70-130	1		30
n-Butylbenzene	88		86		70-130	2		30
sec-Butylbenzene	86		85		70-130	1		30
tert-Butylbenzene	86		85		70-130	1		30
o-Chlorotoluene	82		82		70-130	0		30
p-Chlorotoluene	83		83		70-130	0		30
1,2-Dibromo-3-chloropropane	84		85		68-130	1		30
Hexachlorobutadiene	82		82		67-130	0		30
Isopropylbenzene	84		84		70-130	0		30
p-Isopropyltoluene	88		87		70-130	1		30
Naphthalene	85		83		70-130	2		30
Acrylonitrile	117		119		70-130	2		30
n-Propylbenzene	87		86		70-130	1		30
1,2,3-Trichlorobenzene	84		84		70-130	0		30
1,2,4-Trichlorobenzene	86		86		70-130	0		30
1,3,5-Trimethylbenzene	84		84		70-130	0		30
1,2,4-Trimethylbenzene	84		84		70-130	0		30
1,4-Dioxane	114		118		65-136	3		30
p-Diethylbenzene	89		89		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08 Batch: WG1305252-3 WG1305252-4								
p-Ethyltoluene	87		86		70-130	1		30
1,2,4,5-Tetramethylbenzene	85		84		70-130	1		30
Ethyl ether	106		108		67-130	2		30
trans-1,4-Dichloro-2-butene	86		89		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	90		90		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1305274-3 WG1305274-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	98		100		70-130	2		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	95		94		75-130	1		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	120		120		70-130	0		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	98		100		70-130	2		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	95		98		54-136	3		20
1,1,2,2-Tetrachloroethane	82		82		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	99		98		70-130	1		20
Ethylbenzene	96		95		70-130	1		20
Chloromethane	92		94		64-130	2		20
Bromomethane	79		83		39-139	5		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1305274-3 WG1305274-4								
Vinyl chloride	100		110		55-140	10		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	90		94		70-130	4		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	90		92		70-130	2		20
1,3-Dichlorobenzene	91		94		70-130	3		20
1,4-Dichlorobenzene	92		92		70-130	0		20
Methyl tert butyl ether	98		100		63-130	2		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	98		96		70-130	2		20
1,2,3-Trichloropropane	87		90		64-130	3		20
Acrylonitrile	110		110		70-130	0		20
Styrene	85		85		70-130	0		20
Dichlorodifluoromethane	73		76		36-147	4		20
Acetone	120		110		58-148	9		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		100		63-138	10		20
Vinyl acetate	94		95		70-130	1		20
4-Methyl-2-pentanone	93		82		59-130	13		20
2-Hexanone	91		87		57-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1305274-3 WG1305274-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	99		98		70-130	1		20
1,3-Dichloropropane	100		99		70-130	1		20
1,1,1,2-Tetrachloroethane	110		110		64-130	0		20
Bromobenzene	85		87		70-130	2		20
n-Butylbenzene	93		95		53-136	2		20
sec-Butylbenzene	79		80		70-130	1		20
tert-Butylbenzene	82		83		70-130	1		20
o-Chlorotoluene	87		91		70-130	4		20
p-Chlorotoluene	90		92		70-130	2		20
1,2-Dibromo-3-chloropropane	71		71		41-144	0		20
Hexachlorobutadiene	91		92		63-130	1		20
Isopropylbenzene	79		82		70-130	4		20
p-Isopropyltoluene	88		91		70-130	3		20
Naphthalene	93		91		70-130	2		20
n-Propylbenzene	83		85		69-130	2		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	108		108		56-162	0		20
p-Diethylbenzene	89		91		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1305274-3 WG1305274-4								
p-Ethyltoluene	88		90		70-130	2		20
1,2,4,5-Tetramethylbenzene	150	Q	160	Q	70-130	6		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	89		90		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	100		97		70-130
4-Bromofluorobenzene	91		90		70-130
Dibromofluoromethane	106		107		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1305762-3 WG1305762-4								
Methylene chloride	107		109		70-130	2		30
1,1-Dichloroethane	98		100		70-130	2		30
Chloroform	97		100		70-130	3		30
Carbon tetrachloride	102		104		70-130	2		30
1,2-Dichloropropane	100		101		70-130	1		30
Dibromochloromethane	83		84		70-130	1		30
1,1,2-Trichloroethane	85		85		70-130	0		30
Tetrachloroethene	86		87		70-130	1		30
Chlorobenzene	84		86		70-130	2		30
Trichlorofluoromethane	92		93		70-139	1		30
1,2-Dichloroethane	94		96		70-130	2		30
1,1,1-Trichloroethane	101		102		70-130	1		30
Bromodichloromethane	104		106		70-130	2		30
trans-1,3-Dichloropropene	87		89		70-130	2		30
cis-1,3-Dichloropropene	110		111		70-130	1		30
1,1-Dichloropropene	105		105		70-130	0		30
Bromoform	78		79		70-130	1		30
1,1,2,2-Tetrachloroethane	79		79		70-130	0		30
Benzene	106		107		70-130	1		30
Toluene	86		88		70-130	2		30
Ethylbenzene	86		87		70-130	1		30
Chloromethane	69		69		52-130	0		30
Bromomethane	118		119		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1305762-3 WG1305762-4								
Vinyl chloride	89		89		67-130	0		30
Chloroethane	103		105		50-151	2		30
1,1-Dichloroethene	100		101		65-135	1		30
trans-1,2-Dichloroethene	106		108		70-130	2		30
Trichloroethene	107		108		70-130	1		30
1,2-Dichlorobenzene	79		79		70-130	0		30
1,3-Dichlorobenzene	79		81		70-130	3		30
1,4-Dichlorobenzene	78		80		70-130	3		30
Methyl tert butyl ether	104		106		66-130	2		30
p/m-Xylene	89		91		70-130	2		30
o-Xylene	87		89		70-130	2		30
cis-1,2-Dichloroethene	106		108		70-130	2		30
Dibromomethane	104		105		70-130	1		30
Styrene	91		94		70-130	3		30
Dichlorodifluoromethane	49		50		30-146	2		30
Acetone	97		92		54-140	5		30
Carbon disulfide	93		93		59-130	0		30
2-Butanone	95		91		70-130	4		30
Vinyl acetate	90		91		70-130	1		30
4-Methyl-2-pentanone	84		84		70-130	0		30
1,2,3-Trichloropropane	76		76		68-130	0		30
2-Hexanone	82		82		70-130	0		30
Bromochloromethane	103		105		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1305762-3 WG1305762-4								
2,2-Dichloropropane	101		102		70-130	1		30
1,2-Dibromoethane	85		87		70-130	2		30
1,3-Dichloropropane	83		84		69-130	1		30
1,1,1,2-Tetrachloroethane	82		84		70-130	2		30
Bromobenzene	77		78		70-130	1		30
n-Butylbenzene	85		86		70-130	1		30
sec-Butylbenzene	83		84		70-130	1		30
tert-Butylbenzene	82		82		70-130	0		30
o-Chlorotoluene	80		81		70-130	1		30
p-Chlorotoluene	79		80		70-130	1		30
1,2-Dibromo-3-chloropropane	81		79		68-130	3		30
Hexachlorobutadiene	84		85		67-130	1		30
Isopropylbenzene	82		83		70-130	1		30
p-Isopropyltoluene	84		85		70-130	1		30
Naphthalene	73		72		70-130	1		30
Acrylonitrile	99		98		70-130	1		30
n-Propylbenzene	84		84		70-130	0		30
1,2,3-Trichlorobenzene	80		82		70-130	2		30
1,2,4-Trichlorobenzene	84		85		70-130	1		30
1,3,5-Trimethylbenzene	82		83		70-130	1		30
1,2,4-Trimethylbenzene	82		83		70-130	1		30
1,4-Dioxane	90		85		65-136	6		30
p-Diethylbenzene	90		91		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1305762-3 WG1305762-4								
p-Ethyltoluene	89		89		70-130	0		30
1,2,4,5-Tetramethylbenzene	83		84		70-130	1		30
Ethyl ether	107		108		67-130	1		30
trans-1,4-Dichloro-2-butene	80		82		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		90		70-130
Toluene-d8	87		88		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	100		102		70-130

SEMIVOLATILES

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01
 Client ID: S-12 (2.5-3)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:20
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 18:10
 Analyst: IM
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	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
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	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	66	J	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	ND		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	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01
 Client ID: S-12 (2.5-3)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:20
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	39	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	44	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	38	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	29	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	43	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	56	J	ug/kg	110	19.	1
Biphenyl	ND		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	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		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	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01

Date Collected: 10/31/19 08:20

Client ID: S-12 (2.5-3)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	53		18-120

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02
 Client ID: S-13 (5.5-6)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 18:37
 Analyst: IM
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	200		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	1100		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	280		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02
 Client ID: S-13 (5.5-6)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	540		ug/kg	120	23.	1
Benzo(a)pyrene	480		ug/kg	160	50.	1
Benzo(b)fluoranthene	570		ug/kg	120	34.	1
Benzo(k)fluoranthene	200		ug/kg	120	32.	1
Chrysene	440		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	350		ug/kg	120	40.	1
Benzo(ghi)perylene	240		ug/kg	160	24.	1
Fluorene	250		ug/kg	200	20.	1
Phenanthrene	1100		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	63	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	160	28.	1
Pyrene	870		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	160	J	ug/kg	200	19.	1
2-Methylnaphthalene	100	J	ug/kg	240	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02

Date Collected: 10/31/19 08:35

Client ID: S-13 (5.5-6)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	130	J	ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.4	1

Tentatively Identified Compounds

Total TIC Compounds	748	J	ug/kg	1
Unknown PAH	240	J	ug/kg	1
Unknown PAH	327	J	ug/kg	1
Unknown PAH	181	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	50		18-120

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-03
 Client ID: S-14 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:15
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 19:04
 Analyst: IM
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	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
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	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	33.	1
Fluoranthene	ND		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	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	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	65.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-03
 Client ID: S-14 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:15
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	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	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		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	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	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	910	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-03

Date Collected: 10/31/19 09:15

Client ID: S-14 (8.5-9)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	54		18-120

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-04
 Client ID: S-15 (11.5-12)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:45
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 19:31
 Analyst: IM
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	26.	1
Hexachlorobenzene	ND		ug/kg	140	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	39.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
2,6-Dinitrotoluene	ND		ug/kg	220	39.	1
Fluoranthene	ND		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	23.	1
Hexachlorobutadiene	ND		ug/kg	220	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	78.	1
Butyl benzyl phthalate	ND		ug/kg	220	57.	1
Di-n-butylphthalate	ND		ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	77.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-04
 Client ID: S-15 (11.5-12)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:45
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	ND		ug/kg	140	25.	1
Benzo(a)pyrene	ND		ug/kg	180	55.	1
Benzo(b)fluoranthene	ND		ug/kg	140	38.	1
Benzo(k)fluoranthene	ND		ug/kg	140	36.	1
Chrysene	ND		ug/kg	140	23.	1
Acenaphthylene	ND		ug/kg	180	35.	1
Anthracene	ND		ug/kg	140	44.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	22.	1
Phenanthrene	ND		ug/kg	140	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	ND		ug/kg	140	22.	1
Biphenyl	ND		ug/kg	510	52.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	44.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	93.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	24.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	220	34.	1
2-Chlorophenol	ND		ug/kg	220	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	ND		ug/kg	490	85.	1
4-Nitrophenol	ND		ug/kg	320	92.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	35.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-04
 Client ID: S-15 (11.5-12)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:45
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	220	43.	1
Benzoic Acid	ND		ug/kg	730	230	1
Benzyl Alcohol	ND		ug/kg	220	69.	1
Carbazole	ND		ug/kg	220	22.	1
1,4-Dioxane	ND		ug/kg	34	10.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	64		18-120

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-05
 Client ID: S-16 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:05
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 19:58
 Analyst: IM
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	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	ND		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	31.	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	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	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	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-05
 Client ID: S-16 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:05
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		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	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-05

Date Collected: 10/31/19 10:05

Client ID: S-16 (8.5-9)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Tentatively Identified Compounds

Total TIC Compounds	246	J	ug/kg	1
Unknown Benzodioxole	246	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	44		18-120

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-06
 Client ID: S-17 (3-3.5)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 20:25
 Analyst: IM
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	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	120		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	220	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	ND		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	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-06
 Client ID: S-17 (3-3.5)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	68	J	ug/kg	110	21.	1
Benzo(a)pyrene	71	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	93	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	34	J	ug/kg	110	30.	1
Chrysene	78	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	47	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	50	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	48	J	ug/kg	150	26.	1
Pyrene	110		ug/kg	110	19.	1
Biphenyl	ND		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	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	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	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-06

Date Collected: 10/31/19 10:25

Client ID: S-17 (3-3.5)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	114		10-136
4-Terphenyl-d14	53		18-120

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07
 Client ID: S-18 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:55
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 20:51
 Analyst: IM
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	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
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	47	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	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	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	24	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	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

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07
 Client ID: S-18 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:55
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	65	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	70	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	150		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	43	J	ug/kg	160	23.	1
Fluorene	32	J	ug/kg	190	19.	1
Phenanthrene	220		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	57	J	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	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	53	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	73.	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	160	43.	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

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07

Date Collected: 10/31/19 10:55

Client ID: S-18 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Tentatively Identified Compounds

Total TIC Compounds	1910	J	ug/kg			1
Unknown PAH	219	J	ug/kg			1
Unknown	252	J	ug/kg			1
Unknown	262	J	ug/kg			1
Unknown	186	J	ug/kg			1
Unknown Ketone	181	J	ug/kg			1
Unknown	179	J	ug/kg			1
Unknown	271	J	ug/kg			1
Unknown PAH	357	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	52		18-120

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08 D

Date Collected: 10/31/19 11:35

Client ID: S-19 (10.5-11)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 11/02/19 15:33

Analytical Date: 11/07/19 11:14

Analyst: IM

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	580	J	ug/kg	890	120	5
1,2,4-Trichlorobenzene	ND		ug/kg	1100	130	5
Hexachlorobenzene	ND		ug/kg	670	120	5
Bis(2-chloroethyl)ether	ND		ug/kg	1000	150	5
2-Chloronaphthalene	ND		ug/kg	1100	110	5
1,2-Dichlorobenzene	ND		ug/kg	1100	200	5
1,3-Dichlorobenzene	ND		ug/kg	1100	190	5
1,4-Dichlorobenzene	ND		ug/kg	1100	190	5
3,3'-Dichlorobenzidine	ND		ug/kg	1100	300	5
2,4-Dinitrotoluene	ND		ug/kg	1100	220	5
2,6-Dinitrotoluene	ND		ug/kg	1100	190	5
Fluoranthene	290	J	ug/kg	670	130	5
4-Chlorophenyl phenyl ether	ND		ug/kg	1100	120	5
4-Bromophenyl phenyl ether	ND		ug/kg	1100	170	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1300	190	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1200	110	5
Hexachlorobutadiene	ND		ug/kg	1100	160	5
Hexachlorocyclopentadiene	ND		ug/kg	3200	1000	5
Hexachloroethane	ND		ug/kg	890	180	5
Isophorone	ND		ug/kg	1000	140	5
Naphthalene	2700		ug/kg	1100	140	5
Nitrobenzene	ND		ug/kg	1000	160	5
NDPA/DPA	ND		ug/kg	890	130	5
n-Nitrosodi-n-propylamine	ND		ug/kg	1100	170	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1100	390	5
Butyl benzyl phthalate	ND		ug/kg	1100	280	5
Di-n-butylphthalate	ND		ug/kg	1100	210	5
Di-n-octylphthalate	ND		ug/kg	1100	380	5

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08 D

Date Collected: 10/31/19 11:35

Client ID: S-19 (10.5-11)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1100	100	5
Dimethyl phthalate	ND		ug/kg	1100	230	5
Benzo(a)anthracene	620	J	ug/kg	670	120	5
Benzo(a)pyrene	280	J	ug/kg	890	270	5
Benzo(b)fluoranthene	220	J	ug/kg	670	190	5
Benzo(k)fluoranthene	ND		ug/kg	670	180	5
Chrysene	1300		ug/kg	670	120	5
Acenaphthylene	ND		ug/kg	890	170	5
Anthracene	640	J	ug/kg	670	220	5
Benzo(ghi)perylene	270	J	ug/kg	890	130	5
Fluorene	1400		ug/kg	1100	110	5
Phenanthrene	3800		ug/kg	670	140	5
Dibenzo(a,h)anthracene	ND		ug/kg	670	130	5
Indeno(1,2,3-cd)pyrene	ND		ug/kg	890	160	5
Pyrene	1300		ug/kg	670	110	5
Biphenyl	ND		ug/kg	2500	260	5
4-Chloroaniline	ND		ug/kg	1100	200	5
2-Nitroaniline	ND		ug/kg	1100	220	5
3-Nitroaniline	ND		ug/kg	1100	210	5
4-Nitroaniline	ND		ug/kg	1100	460	5
Dibenzofuran	420	J	ug/kg	1100	100	5
2-Methylnaphthalene	6900		ug/kg	1300	130	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1100	120	5
Acetophenone	ND		ug/kg	1100	140	5
2,4,6-Trichlorophenol	ND		ug/kg	670	210	5
p-Chloro-m-cresol	ND		ug/kg	1100	170	5
2-Chlorophenol	ND		ug/kg	1100	130	5
2,4-Dichlorophenol	ND		ug/kg	1000	180	5
2,4-Dimethylphenol	ND		ug/kg	1100	370	5
2-Nitrophenol	ND		ug/kg	2400	420	5
4-Nitrophenol	ND		ug/kg	1600	460	5
2,4-Dinitrophenol	ND		ug/kg	5400	520	5
4,6-Dinitro-o-cresol	ND		ug/kg	2900	540	5
Pentachlorophenol	ND		ug/kg	890	240	5
Phenol	ND		ug/kg	1100	170	5
2-Methylphenol	ND		ug/kg	1100	170	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1600	170	5

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08 D

Date Collected: 10/31/19 11:35

Client ID: S-19 (10.5-11)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1100	210	5
Benzoic Acid	ND		ug/kg	3600	1100	5
Benzyl Alcohol	ND		ug/kg	1100	340	5
Carbazole	ND		ug/kg	1100	110	5
1,4-Dioxane	ND		ug/kg	170	51.	5

Tentatively Identified Compounds

Total TIC Compounds	94300	J	ug/kg			5
Unknown Naphthalene	7520	J	ug/kg			5
Unknown Naphthalene	8790	J	ug/kg			5
Unknown Naphthalene	9830	J	ug/kg			5
Unknown	4910	J	ug/kg			5
Unknown	5080	J	ug/kg			5
Unknown PAH	10500	J	ug/kg			5
Unknown PAH	6170	J	ug/kg			5
Unknown Alkane	4770	J	ug/kg			5
Unknown Naphthalene	5500	J	ug/kg			5
Unknown PAH	5380	J	ug/kg			5
Unknown	5710	J	ug/kg			5
Unknown	4790	J	ug/kg			5
Unknown	4910	J	ug/kg			5
Unknown	5140	J	ug/kg			5
Unknown	5310	J	ug/kg			5

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-08 D

Date Collected: 10/31/19 11:35

Client ID: S-19 (10.5-11)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	30		30-120
2,4,6-Tribromophenol	38		10-136
4-Terphenyl-d14	29		18-120

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-09
 Client ID: S-19 (13.5-14)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 21:44
 Analyst: IM
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-09
 Client ID: S-19 (13.5-14)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-09
 Client ID: S-19 (13.5-14)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	46		18-120

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10
 Client ID: S-20 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 22:11
 Analyst: IM
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10
 Client ID: S-20 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	29.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10

Date Collected: 10/31/19 12:25

Client ID: S-20 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Tentatively Identified Compounds

Total TIC Compounds	186	J	ug/kg	1
Unknown	186	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	47		18-120

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-11
 Client ID: TW-2
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 11:00
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-11

Date Collected: 10/31/19 13:25

Client ID: TW-2

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	0.64	J	ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	1.1	J	ug/l	2.0	0.49	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-11

Date Collected: 10/31/19 13:25

Client ID: TW-2

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						

Tentatively Identified Compounds

Total TIC Compounds	87.5	J	ug/l	1
Unknown	3.67	J	ug/l	1
Unknown Alkane	6.51	J	ug/l	1
Unknown	3.02	J	ug/l	1
Unknown Alkane	2.87	J	ug/l	1
Unknown Alkane	5.64	J	ug/l	1
Unknown Benzene	5.67	J	ug/l	1
Unknown Organic Acid	3.13	J	ug/l	1
Unknown Alkane	6.54	J	ug/l	1
Unknown Phenol	11.0	J	ug/l	1
Unknown	2.58	J	ug/l	1
Unknown	2.91	J	ug/l	1
Aldol Condensates (A)	4.98	J	ug/l	1
Cyclic Octaatomic Sulfur	14.4	NJ	ug/l	1
Unknown	10.6	J	ug/l	1
Unknown	4.00	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	73		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	59		41-149

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-11
 Client ID: TW-2
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 11/05/19 20:40
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 00:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	1.8		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	2.4		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	6.6		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.80		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.77		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	1.0		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.31		ug/l	0.10	0.01	1
Chrysene	0.68		ug/l	0.10	0.01	1
Acenaphthylene	0.04	J	ug/l	0.10	0.01	1
Anthracene	0.65		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.42		ug/l	0.10	0.01	1
Fluorene	1.2		ug/l	0.10	0.01	1
Phenanthrene	2.7		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.10		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.47		ug/l	0.10	0.01	1
Pyrene	2.2		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.95		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-11

Date Collected: 10/31/19 13:25

Client ID: TW-2

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	78		41-149

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12
 Client ID: GW-3
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 11/06/19 11:27
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	1.7	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12
 Client ID: GW-3
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds

Total TIC Compounds	596	J	ug/l	1
Unknown	24.6	J	ug/l	1
Unknown	539	J	ug/l	1
Unknown Phenol	23.5	J	ug/l	1
Unknown	9.02	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	69		41-149

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12
 Client ID: GW-3
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 11/05/19 20:56
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 00:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.38		ug/l	0.10	0.01	1
2-Chloronaphthalene	0.10	J	ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.20		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	0.07	J	ug/l	0.10	0.01	1
Anthracene	0.19		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.52		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.07	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-12

Date Collected: 10/31/19 13:00

Client ID: GW-3

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	102		10-120
4-Terphenyl-d14	95		41-149

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/06/19 15:29
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1303878-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	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	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	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	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/06/19 15:29
 Analyst: IM

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1303878-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	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	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	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.

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/06/19 15:29
 Analyst: IM

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 15:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1303878-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	67		18-120

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/04/19 16:44
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 11/03/19 08:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1303959-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/04/19 16:44
 Analyst: JG

Extraction Method: EPA 3510C
 Extraction Date: 11/03/19 08:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1303959-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/19 16:44
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 11/03/19 08:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1303959-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds

Total TIC Compounds	22.8	J	ug/l
Unknown	2.11	J	ug/l
Unknown Organic Acid	1.53	J	ug/l
Unknown	1.96	J	ug/l
Unknown Alcohol	1.85	J	ug/l
Aldol Condensates (A)	12.2	J	ug/l
Unknown	3.16	J	ug/l

Project Name: Not Specified**Project Number:** 10920**Lab Number:** L1951621**Report Date:** 11/08/19**Method Blank Analysis**
Batch Quality ControlAnalytical Method: 1,8270D
Analytical Date: 11/04/19 16:44
Analyst: JGExtraction Method: EPA 3510C
Extraction Date: 11/03/19 08:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1303959-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	60		41-149

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/04/19 12:41
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/03/19 08:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 11-12 Batch: WG1303960-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.05	J	ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	0.02	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 11/04/19 12:41
 Analyst: JJW

Extraction Method: EPA 3510C
 Extraction Date: 11/03/19 08:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 11-12 Batch: WG1303960-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	84		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1303878-2 WG1303878-3								
Acenaphthene	90		90		31-137	0		50
1,2,4-Trichlorobenzene	92		93		38-107	1		50
Hexachlorobenzene	100		101		40-140	1		50
Bis(2-chloroethyl)ether	85		87		40-140	2		50
2-Chloronaphthalene	92		93		40-140	1		50
1,2-Dichlorobenzene	86		91		40-140	6		50
1,3-Dichlorobenzene	84		87		40-140	4		50
1,4-Dichlorobenzene	82		86		28-104	5		50
3,3'-Dichlorobenzidine	68		64		40-140	6		50
2,4-Dinitrotoluene	101		105		40-132	4		50
2,6-Dinitrotoluene	99		101		40-140	2		50
Fluoranthene	87		93		40-140	7		50
4-Chlorophenyl phenyl ether	89		94		40-140	5		50
4-Bromophenyl phenyl ether	95		97		40-140	2		50
Bis(2-chloroisopropyl)ether	63		64		40-140	2		50
Bis(2-chloroethoxy)methane	84		84		40-117	0		50
Hexachlorobutadiene	86		89		40-140	3		50
Hexachlorocyclopentadiene	93		88		40-140	6		50
Hexachloroethane	80		85		40-140	6		50
Isophorone	85		84		40-140	1		50
Naphthalene	87		90		40-140	3		50
Nitrobenzene	88		88		40-140	0		50
NDPA/DPA	92		98		36-157	6		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1303878-2 WG1303878-3								
n-Nitrosodi-n-propylamine	86		84		32-121	2		50
Bis(2-ethylhexyl)phthalate	94		98		40-140	4		50
Butyl benzyl phthalate	93		96		40-140	3		50
Di-n-butylphthalate	89		94		40-140	5		50
Di-n-octylphthalate	98		103		40-140	5		50
Diethyl phthalate	94		97		40-140	3		50
Dimethyl phthalate	90		92		40-140	2		50
Benzo(a)anthracene	88		92		40-140	4		50
Benzo(a)pyrene	94		97		40-140	3		50
Benzo(b)fluoranthene	96		104		40-140	8		50
Benzo(k)fluoranthene	98		98		40-140	0		50
Chrysene	92		94		40-140	2		50
Acenaphthylene	94		94		40-140	0		50
Anthracene	87		90		40-140	3		50
Benzo(ghi)perylene	90		96		40-140	6		50
Fluorene	94		96		40-140	2		50
Phenanthrene	84		89		40-140	6		50
Dibenzo(a,h)anthracene	88		94		40-140	7		50
Indeno(1,2,3-cd)pyrene	90		96		40-140	6		50
Pyrene	85		90		35-142	6		50
Biphenyl	93		92		37-127	1		50
4-Chloroaniline	68		58		40-140	16		50
2-Nitroaniline	102		104		47-134	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1303878-2 WG1303878-3								
3-Nitroaniline	76		71		26-129	7		50
4-Nitroaniline	93		94		41-125	1		50
Dibenzofuran	92		93		40-140	1		50
2-Methylnaphthalene	94		94		40-140	0		50
1,2,4,5-Tetrachlorobenzene	92		93		40-117	1		50
Acetophenone	89		91		14-144	2		50
2,4,6-Trichlorophenol	100		103		30-130	3		50
p-Chloro-m-cresol	98		100		26-103	2		50
2-Chlorophenol	97		98		25-102	1		50
2,4-Dichlorophenol	101		100		30-130	1		50
2,4-Dimethylphenol	100		98		30-130	2		50
2-Nitrophenol	97		96		30-130	1		50
4-Nitrophenol	101		106		11-114	5		50
2,4-Dinitrophenol	45		46		4-130	2		50
4,6-Dinitro-o-cresol	93		95		10-130	2		50
Pentachlorophenol	85		84		17-109	1		50
Phenol	93	Q	93	Q	26-90	0		50
2-Methylphenol	97		97		30-130	0		50
3-Methylphenol/4-Methylphenol	105		104		30-130	1		50
2,4,5-Trichlorophenol	101		102		30-130	1		50
Benzoic Acid	0	Q	0	Q	10-110	NC		50
Benzyl Alcohol	96		97		40-140	1		50
Carbazole	88		93		54-128	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1303878-2 WG1303878-3								
1,4-Dioxane	49		56		40-140	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	96		98		25-120
Phenol-d6	95		96		10-120
Nitrobenzene-d5	69		71		23-120
2-Fluorobiphenyl	72		71		30-120
2,4,6-Tribromophenol	108		108		10-136
4-Terphenyl-d14	72		75		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1303959-2 WG1303959-3								
Acenaphthene	76		74		37-111	3		30
1,2,4-Trichlorobenzene	72		74		39-98	3		30
Hexachlorobenzene	72		70		40-140	3		30
Bis(2-chloroethyl)ether	73		71		40-140	3		30
2-Chloronaphthalene	74		75		40-140	1		30
1,2-Dichlorobenzene	75		70		40-140	7		30
1,3-Dichlorobenzene	70		68		40-140	3		30
1,4-Dichlorobenzene	75		67		36-97	11		30
3,3'-Dichlorobenzidine	70		54		40-140	26		30
2,4-Dinitrotoluene	80		77		48-143	4		30
2,6-Dinitrotoluene	77		78		40-140	1		30
Fluoranthene	81		73		40-140	10		30
4-Chlorophenyl phenyl ether	77		74		40-140	4		30
4-Bromophenyl phenyl ether	78		76		40-140	3		30
Bis(2-chloroisopropyl)ether	77		70		40-140	10		30
Bis(2-chloroethoxy)methane	79		76		40-140	4		30
Hexachlorobutadiene	69		68		40-140	1		30
Hexachlorocyclopentadiene	52		53		40-140	2		30
Hexachloroethane	69		66		40-140	4		30
Isophorone	82		77		40-140	6		30
Naphthalene	75		115		40-140	42	Q	30
Nitrobenzene	78		73		40-140	7		30
NDPA/DPA	82		81		40-140	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1303959-2 WG1303959-3								
n-Nitrosodi-n-propylamine	82		77		29-132	6		30
Bis(2-ethylhexyl)phthalate	84		77		40-140	9		30
Butyl benzyl phthalate	81		71		40-140	13		30
Di-n-butylphthalate	76		71		40-140	7		30
Di-n-octylphthalate	84		75		40-140	11		30
Diethyl phthalate	81		81		40-140	0		30
Dimethyl phthalate	78		75		40-140	4		30
Benzo(a)anthracene	85		80		40-140	6		30
Benzo(a)pyrene	76		71		40-140	7		30
Benzo(b)fluoranthene	87		75		40-140	15		30
Benzo(k)fluoranthene	86		82		40-140	5		30
Chrysene	80		73		40-140	9		30
Acenaphthylene	78		74		45-123	5		30
Anthracene	80		73		40-140	9		30
Benzo(ghi)perylene	85		81		40-140	5		30
Fluorene	79		79		40-140	0		30
Phenanthrene	80		73		40-140	9		30
Dibenzo(a,h)anthracene	81		82		40-140	1		30
Indeno(1,2,3-cd)pyrene	87		81		40-140	7		30
Pyrene	79		68		26-127	15		30
Biphenyl	78		75		40-140	4		30
4-Chloroaniline	63		76		40-140	19		30
2-Nitroaniline	75		75		52-143	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1303959-2 WG1303959-3								
3-Nitroaniline	70		62		25-145	12		30
4-Nitroaniline	72		66		51-143	9		30
Dibenzofuran	76		74		40-140	3		30
2-Methylnaphthalene	74		79		40-140	7		30
1,2,4,5-Tetrachlorobenzene	68		70		2-134	3		30
Acetophenone	80		76		39-129	5		30
2,4,6-Trichlorophenol	80		72		30-130	11		30
p-Chloro-m-cresol	87		83		23-97	5		30
2-Chlorophenol	73		74		27-123	1		30
2,4-Dichlorophenol	84		80		30-130	5		30
2,4-Dimethylphenol	78		68		30-130	14		30
2-Nitrophenol	75		70		30-130	7		30
4-Nitrophenol	74		80		10-80	8		30
2,4-Dinitrophenol	70		75		20-130	7		30
4,6-Dinitro-o-cresol	78		79		20-164	1		30
Pentachlorophenol	75		78		9-103	4		30
Phenol	55		56		12-110	2		30
2-Methylphenol	83		75		30-130	10		30
3-Methylphenol/4-Methylphenol	85		77		30-130	10		30
2,4,5-Trichlorophenol	78		74		30-130	5		30
Benzoic Acid	46		48		10-164	4		30
Benzyl Alcohol	78		70		26-116	11		30
Carbazole	82		75		55-144	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1303959-2 WG1303959-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		61		21-120
Phenol-d6	52		54		10-120
Nitrobenzene-d5	60		56		23-120
2-Fluorobiphenyl	56		53		15-120
2,4,6-Tribromophenol	72		76		10-120
4-Terphenyl-d14	55		49		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 11-12 Batch: WG1303960-2 WG1303960-3								
Acenaphthene	92		94		40-140	2		40
2-Chloronaphthalene	88		89		40-140	1		40
Fluoranthene	98		97		40-140	1		40
Hexachlorobutadiene	82		86		40-140	5		40
Naphthalene	84		90		40-140	7		40
Benzo(a)anthracene	101		101		40-140	0		40
Benzo(a)pyrene	108		106		40-140	2		40
Benzo(b)fluoranthene	120		114		40-140	5		40
Benzo(k)fluoranthene	121		118		40-140	3		40
Chrysene	105		101		40-140	4		40
Acenaphthylene	86		87		40-140	1		40
Anthracene	93		95		40-140	2		40
Benzo(ghi)perylene	111		108		40-140	3		40
Fluorene	97		97		40-140	0		40
Phenanthrene	91		92		40-140	1		40
Dibenzo(a,h)anthracene	115		112		40-140	3		40
Indeno(1,2,3-cd)pyrene	116		110		40-140	5		40
Pyrene	96		96		40-140	0		40
2-Methylnaphthalene	85		89		40-140	5		40
Pentachlorophenol	78		82		40-140	5		40
Hexachlorobenzene	83		85		40-140	2		40
Hexachloroethane	74		87		40-140	16		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 11-12 Batch: WG1303960-2 WG1303960-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		67		21-120
Phenol-d6	47		55		10-120
Nitrobenzene-d5	71		82		23-120
2-Fluorobiphenyl	80		80		15-120
2,4,6-Tribromophenol	75		74		10-120
4-Terphenyl-d14	80		79		41-149

PETROLEUM HYDROCARBONS

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-08 D

Date Collected: 10/31/19 11:35

Client ID: S-19 (10.5-11)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 103,NJDEP EPH

Extraction Date: 11/02/19 13:52

Analytical Date: 11/06/19 02:59

Cleanup Method: NJDEP EPH

Analyst: SR

Cleanup Date: 11/05/19

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C12 Aliphatics	ND		mg/kg	626	626.	60
C12-C16 Aliphatics	954		mg/kg	417	417.	60
C16-C21 Aliphatics	1650		mg/kg	626	626.	60
C21-C40 Aliphatics	4930		mg/kg	2080	2080	60
C10-C12 Aromatics	ND		mg/kg	417	417.	60
C12-C16 Aromatics	ND		mg/kg	626	626.	60
C16-C21 Aromatics	1290		mg/kg	1040	1040	60
C21-C36 Aromatics	2870		mg/kg	1670	1670	60
Total EPH	11700		mg/kg	7510	7510	60

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	0	Q	40-140
o-Terphenyl	0	Q	40-140
2-Fluorobiphenyl	64		40-140
2-Bromonaphthalene	64		40-140

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-09
 Client ID: S-19 (13.5-14)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 11/05/19 07:18
 Analyst: MEO
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 13:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	28.5	28.5	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	77			40-140		
o-Terphenyl	78			40-140		

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 103,NJDEP EPH

Analytical Date: 11/04/19 11:43

Analyst: LL

Extraction Method: EPA 3546

Extraction Date: 11/02/19 08:23

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 09 Batch: WG1303790-1					
Total EPH	ND		mg/kg	23.1	23.1

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	64		40-140
o-Terphenyl	65		40-140

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 103,NJDEP EPH
 Analytical Date: 11/06/19 19:25
 Analyst: SR

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 08:23
 Cleanup Method: NJDEP EPH
 Cleanup Date: 11/05/19

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 08 Batch: WG1304861-1					
C9-C12 Aliphatics	ND		mg/kg	7.71	7.71
C12-C16 Aliphatics	ND		mg/kg	5.14	5.14
C16-C21 Aliphatics	ND		mg/kg	7.71	7.71
C21-C40 Aliphatics	ND		mg/kg	25.7	25.7
C10-C12 Aromatics	ND		mg/kg	5.14	5.14
C12-C16 Aromatics	ND		mg/kg	7.71	7.71
C16-C21 Aromatics	ND		mg/kg	12.8	12.8
C21-C36 Aromatics	ND		mg/kg	20.6	20.6
Total EPH	ND		mg/kg	92.5	92.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	51		40-140
o-Terphenyl	96		40-140
2-Fluorobiphenyl	113		40-140
2-Bromonaphthalene	113		40-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 09 Batch: WG1303790-2 WG1303790-3								
Total EPH	63		73		40-140	15		25
Nonane (C9)	56		64		40-140	13		25
Decane (C10)	60		69		40-140	14		25
Dodecane (C12)	60		69		40-140	14		25
Tetradecane (C14)	60		68		40-140	13		25
Hexadecane (C16)	60		69		40-140	14		25
Octadecane (C18)	60		69		40-140	14		25
Eicosane (C20)	60		69		40-140	14		25
Heneicosane (C21)	59		69		40-140	16		25
Docosane (C22)	60		69		40-140	14		25
Tetracosane (C24)	60		70		40-140	15		25
Hexacosane (C26)	60		70		40-140	15		25
Octacosane (C28)	60		70		40-140	15		25
triacontane (C30)	61		71		40-140	15		25
Dotriacontane (C32)	61		72		40-140	17		25
Tetratriacontane (C34)	60		70		40-140	15		25
Hexatriacontane (C36)	60		71		40-140	17		25
Octatriacontane (C38)	61		72		40-140	17		25
Tetracontane (C40)	59		70		40-140	17		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 09 Batch: WG1303790-2 WG1303790-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	57		65		40-140
o-Terphenyl	57		66		40-140

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 08 Batch: WG1304861-2 WG1304861-3								
C9-C12 Aliphatics	73		80		40-140	9		25
C12-C16 Aliphatics	87		96		40-140	10		25
C16-C21 Aliphatics	85		109		40-140	25		25
C21-C40 Aliphatics	79		91		40-140	14		25
C10-C12 Aromatics	58		90		40-140	43	Q	25
C12-C16 Aromatics	67		108		40-140	47	Q	25
C16-C21 Aromatics	71		118		40-140	50	Q	25
C21-C36 Aromatics	62		102		40-140	49	Q	25
Nonane (C9)	56		62		40-140	10		25
Decane (C10)	64		72		40-140	12		25
Dodecane (C12)	69		78		40-140	12		25
Tetradecane (C14)	73		81		40-140	10		25
Hexadecane (C16)	78		85		40-140	9		25
Octadecane (C18)	79		88		40-140	11		25
Eicosane (C20)	78		87		40-140	11		25
Heneicosane (C21)	78		87		40-140	11		25
Docosane (C22)	78		88		40-140	12		25
Tetracosane (C24)	78		88		40-140	12		25
Hexacosane (C26)	78		88		40-140	12		25
Octacosane (C28)	78		88		40-140	12		25
Triacontane (C30)	78		89		40-140	13		25
Dotriacontane (C32)	78		88		40-140	12		25
Tetratriacontane (C34)	75		85		40-140	13		25

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 08 Batch: WG1304861-2 WG1304861-3								
Hexatriacontane (C36)	76		87		40-140	13		25
Octatriacontane (C38)	76		87		40-140	13		25
Tetracontane (C40)	75		86		40-140	14		25
Acenaphthene	60		101		40-140	51	Q	25
Acenaphthylene	58		98		40-140	51	Q	25
Anthracene	66		112		40-140	52	Q	25
Benzo(a)anthracene	58		98		40-140	51	Q	25
Benzo(a)pyrene	55		94		40-140	52	Q	25
Benzo(b)fluoranthene	59		99		40-140	51	Q	25
Benzo(ghi)perylene	52		90		40-140	54	Q	25
Benzo(k)fluoranthene	63		103		40-140	48	Q	25
Chrysene	50		85		40-140	52	Q	25
Dibenzo(a,h)anthracene	40		65		40-140	48	Q	25
Fluoranthene	56		96		40-140	53	Q	25
Fluorene	56		93		40-140	50	Q	25
Indeno(1,2,3-cd)Pyrene	61		107		40-140	55	Q	25
2-Methylnaphthalene	55		91		40-140	49	Q	25
Naphthalene	54		89		40-140	49	Q	25
Phenanthrene	56		94		40-140	51	Q	25
Pyrene	60		101		40-140	51	Q	25
1,2,3-Trimethylbenzene	51		83		40-140	48	Q	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 08 Batch: WG1304861-2 WG1304861-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	51		56		40-140
o-Terphenyl	59		99		40-140
2-Fluorobiphenyl	75		109		40-140
2-Bromonaphthalene	75		109		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample Associated sample(s): 09 QC Batch ID: WG1303790-4 QC Sample: L1950801-35 Client ID:												
Total EPH	51.5	255	226	69		-	-		40-140	-		50
Nonane (C9)	ND	7.07	4.05	57		-	-		40-140	-		50
Decane (C10)	ND	7.07	4.38	62		-	-		40-140	-		50
Dodecane (C12)	ND	7.07	4.72	67		-	-		40-140	-		50
Tetradecane (C14)	ND	7.07	4.81	68		-	-		40-140	-		50
Hexadecane (C16)	ND	7.07	4.89	69		-	-		40-140	-		50
Octadecane (C18)	ND	7.07	4.88	69		-	-		40-140	-		50
Eicosane (C20)	ND	7.07	4.90	69		-	-		40-140	-		50
Heneicosane (C21)	ND	7.07	4.90	69		-	-		40-140	-		50
Docosane (C22)	ND	7.07	4.94	70		-	-		40-140	-		50
Tetracosane (C24)	ND	7.07	4.98	70		-	-		40-140	-		50
Hexacosane (C26)	ND	7.07	4.98	70		-	-		40-140	-		50
Octacosane (C28)	ND	7.07	4.97	70		-	-		40-140	-		50
triacontane (C30)	ND	7.07	5.04	71		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.07	5.07	72		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.07	5.06	72		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.07	5.19	73		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.07	5.07	72		-	-		40-140	-		50
Tetracontane (C40)	ND	7.07	4.90	69		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	65				40-140

Matrix Spike Analysis**Batch Quality Control****Project Name:** Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample												
Associated sample(s): 09					QC Batch ID: WG1303790-4			QC Sample: L1950801-35		Client ID:		

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	66				40-140

Lab Duplicate Analysis Batch Quality Control

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 09 QC Batch ID: WG1303790-5 QC Sample: L1950801-35 Client ID: DUP Sample						
Total EPH	51.5	66.5	mg/kg	25		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		65		40-140
o-Terphenyl	66		65		40-140

PCBS

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-01
 Client ID: S-12 (2.5-3)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:20
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 03:16
 Analyst: KB
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	3.32	1	A
Aroclor 1221	ND		ug/kg	37.4	3.74	1	A
Aroclor 1232	ND		ug/kg	37.4	7.92	1	A
Aroclor 1242	ND		ug/kg	37.4	5.04	1	A
Aroclor 1248	ND		ug/kg	37.4	5.60	1	A
Aroclor 1254	ND		ug/kg	37.4	4.09	1	A
Aroclor 1260	ND		ug/kg	37.4	6.90	1	A
Aroclor 1262	ND		ug/kg	37.4	4.74	1	A
Aroclor 1268	ND		ug/kg	37.4	3.87	1	A
PCBs, Total	ND		ug/kg	37.4	3.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-02
 Client ID: S-13 (5.5-6)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 03:29
 Analyst: KB
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.47	1	A
Aroclor 1221	ND		ug/kg	39.0	3.91	1	A
Aroclor 1232	ND		ug/kg	39.0	8.28	1	A
Aroclor 1242	ND		ug/kg	39.0	5.26	1	A
Aroclor 1248	ND		ug/kg	39.0	5.86	1	A
Aroclor 1254	ND		ug/kg	39.0	4.27	1	A
Aroclor 1260	ND		ug/kg	39.0	7.21	1	A
Aroclor 1262	ND		ug/kg	39.0	4.96	1	A
Aroclor 1268	ND		ug/kg	39.0	4.04	1	A
PCBs, Total	ND		ug/kg	39.0	3.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-03
 Client ID: S-14 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:15
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 03:41
 Analyst: KB
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	3.35	1	A
Aroclor 1221	ND		ug/kg	37.7	3.78	1	A
Aroclor 1232	ND		ug/kg	37.7	7.99	1	A
Aroclor 1242	ND		ug/kg	37.7	5.08	1	A
Aroclor 1248	ND		ug/kg	37.7	5.65	1	A
Aroclor 1254	ND		ug/kg	37.7	4.12	1	A
Aroclor 1260	ND		ug/kg	37.7	6.96	1	A
Aroclor 1262	ND		ug/kg	37.7	4.79	1	A
Aroclor 1268	ND		ug/kg	37.7	3.90	1	A
PCBs, Total	ND		ug/kg	37.7	3.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-04
 Client ID: S-15 (11.5-12)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:45
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 03:53
 Analyst: KB
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.7	3.97	1	A
Aroclor 1221	ND		ug/kg	44.7	4.48	1	A
Aroclor 1232	ND		ug/kg	44.7	9.48	1	A
Aroclor 1242	ND		ug/kg	44.7	6.03	1	A
Aroclor 1248	ND		ug/kg	44.7	6.71	1	A
Aroclor 1254	ND		ug/kg	44.7	4.89	1	A
Aroclor 1260	ND		ug/kg	44.7	8.26	1	A
Aroclor 1262	ND		ug/kg	44.7	5.68	1	A
Aroclor 1268	ND		ug/kg	44.7	4.63	1	A
PCBs, Total	ND		ug/kg	44.7	3.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-05
 Client ID: S-16 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:05
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 04:05
 Analyst: KB
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	3.26	1	A
Aroclor 1221	ND		ug/kg	36.7	3.68	1	A
Aroclor 1232	ND		ug/kg	36.7	7.79	1	A
Aroclor 1242	ND		ug/kg	36.7	4.95	1	A
Aroclor 1248	ND		ug/kg	36.7	5.51	1	A
Aroclor 1254	ND		ug/kg	36.7	4.02	1	A
Aroclor 1260	9.97	J	ug/kg	36.7	6.79	1	B
Aroclor 1262	ND		ug/kg	36.7	4.66	1	A
Aroclor 1268	ND		ug/kg	36.7	3.80	1	A
PCBs, Total	9.97	J	ug/kg	36.7	3.26	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-06
 Client ID: S-17 (3-3.5)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 04:17
 Analyst: KB
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.20	1	A
Aroclor 1221	ND		ug/kg	36.0	3.61	1	A
Aroclor 1232	ND		ug/kg	36.0	7.64	1	A
Aroclor 1242	ND		ug/kg	36.0	4.86	1	A
Aroclor 1248	ND		ug/kg	36.0	5.40	1	A
Aroclor 1254	ND		ug/kg	36.0	3.94	1	A
Aroclor 1260	ND		ug/kg	36.0	6.66	1	A
Aroclor 1262	ND		ug/kg	36.0	4.58	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	A
PCBs, Total	ND		ug/kg	36.0	3.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07
 Client ID: S-18 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:55
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 04:30
 Analyst: KB
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	3.36	1	A
Aroclor 1221	ND		ug/kg	37.9	3.79	1	A
Aroclor 1232	ND		ug/kg	37.9	8.03	1	A
Aroclor 1242	ND		ug/kg	37.9	5.10	1	A
Aroclor 1248	ND		ug/kg	37.9	5.68	1	A
Aroclor 1254	ND		ug/kg	37.9	4.14	1	A
Aroclor 1260	ND		ug/kg	37.9	7.00	1	A
Aroclor 1262	ND		ug/kg	37.9	4.81	1	A
Aroclor 1268	ND		ug/kg	37.9	3.92	1	A
PCBs, Total	ND		ug/kg	37.9	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08
 Client ID: S-19 (10.5-11)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 11:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 04:42
 Analyst: KB
 Percent Solids: 74%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.0	3.91	1	A
Aroclor 1221	ND		ug/kg	44.0	4.41	1	A
Aroclor 1232	ND		ug/kg	44.0	9.32	1	A
Aroclor 1242	ND		ug/kg	44.0	5.93	1	A
Aroclor 1248	ND		ug/kg	44.0	6.60	1	A
Aroclor 1254	ND		ug/kg	44.0	4.81	1	A
Aroclor 1260	ND		ug/kg	44.0	8.13	1	A
Aroclor 1262	ND		ug/kg	44.0	5.59	1	A
Aroclor 1268	ND		ug/kg	44.0	4.56	1	A
PCBs, Total	ND		ug/kg	44.0	3.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-09
 Client ID: S-19 (13.5-14)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 04:54
 Analyst: KB
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.3	3.58	1	A
Aroclor 1221	ND		ug/kg	40.3	4.04	1	A
Aroclor 1232	ND		ug/kg	40.3	8.54	1	A
Aroclor 1242	ND		ug/kg	40.3	5.43	1	A
Aroclor 1248	ND		ug/kg	40.3	6.04	1	A
Aroclor 1254	ND		ug/kg	40.3	4.41	1	A
Aroclor 1260	ND		ug/kg	40.3	7.44	1	A
Aroclor 1262	ND		ug/kg	40.3	5.12	1	A
Aroclor 1268	ND		ug/kg	40.3	4.17	1	A
PCBs, Total	ND		ug/kg	40.3	3.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10
 Client ID: S-20 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 05:06
 Analyst: KB
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:06
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	3.47	1	A
Aroclor 1221	ND		ug/kg	39.1	3.92	1	A
Aroclor 1232	ND		ug/kg	39.1	8.29	1	A
Aroclor 1242	ND		ug/kg	39.1	5.27	1	A
Aroclor 1248	ND		ug/kg	39.1	5.87	1	A
Aroclor 1254	ND		ug/kg	39.1	4.28	1	A
Aroclor 1260	ND		ug/kg	39.1	7.23	1	A
Aroclor 1262	ND		ug/kg	39.1	4.97	1	A
Aroclor 1268	ND		ug/kg	39.1	4.05	1	A
PCBs, Total	ND		ug/kg	39.1	3.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-11
 Client ID: TW-2
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 18:30
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 05:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/04/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/04/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-12
 Client ID: GW-3
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 11/05/19 18:44
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 05:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/04/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/04/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/05/19 06:44
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 11/02/19 14:06
Cleanup Method: EPA 3665A
Cleanup Date: 11/02/19
Cleanup Method: EPA 3660B
Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-10 Batch: WG1303866-1						
Aroclor 1016	ND		ug/kg	33.0	2.93	A
Aroclor 1221	ND		ug/kg	33.0	3.31	A
Aroclor 1232	ND		ug/kg	33.0	7.00	A
Aroclor 1242	ND		ug/kg	33.0	4.45	A
Aroclor 1248	ND		ug/kg	33.0	4.95	A
Aroclor 1254	ND		ug/kg	33.0	3.61	A
Aroclor 1260	ND		ug/kg	33.0	6.10	A
Aroclor 1262	ND		ug/kg	33.0	4.19	A
Aroclor 1268	ND		ug/kg	33.0	3.42	A
PCBs, Total	ND		ug/kg	33.0	2.93	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 11/04/19 13:58
 Analyst: JM

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 05:16
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/04/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/04/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 11-12 Batch: WG1304102-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG1303866-2 WG1303866-3									
Aroclor 1016	58		60		40-140	3		50	A
Aroclor 1260	55		55		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		58		30-150	A
Decachlorobiphenyl	58		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		63		30-150	B
Decachlorobiphenyl	65		65		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 11-12 Batch: WG1304102-2 WG1304102-3									
Aroclor 1016	89		100		40-140	12		50	A
Aroclor 1260	86		101		40-140	16		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		82		30-150	A
Decachlorobiphenyl	71		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		78		30-150	B
Decachlorobiphenyl	76		86		30-150	B

PESTICIDES

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01
 Client ID: S-12 (2.5-3)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:20
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/04/19 02:07
 Analyst: SL
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.358	1	A
Lindane	ND		ug/kg	0.761	0.340	1	A
Alpha-BHC	ND		ug/kg	0.761	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.692	1	A
Heptachlor	ND		ug/kg	0.913	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.643	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.03	1	A
Endrin	ND		ug/kg	0.761	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.799	1	A
Endrin ketone	ND		ug/kg	1.82	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.571	1	A
4,4'-DDE	1.17	J	ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.651	1	A
4,4'-DDT	ND		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	0.610	1	A
Endosulfan sulfate	ND		ug/kg	0.761	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.59	1	A
cis-Chlordane	ND		ug/kg	2.28	0.636	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.05	1	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01

Date Collected: 10/31/19 08:20

Client ID: S-12 (2.5-3)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	82		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	77		30-150	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02
 Client ID: S-13 (5.5-6)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 08:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/04/19 02:16
 Analyst: SL
 Percent Solids: 81%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.94	0.380	1	A
Lindane	ND		ug/kg	0.808	0.361	1	A
Alpha-BHC	ND		ug/kg	0.808	0.229	1	A
Beta-BHC	ND		ug/kg	1.94	0.735	1	A
Heptachlor	0.590	J	ug/kg	0.969	0.434	1	A
Aldrin	ND		ug/kg	1.94	0.682	1	A
Heptachlor epoxide	ND		ug/kg	3.63	1.09	1	B
Endrin	ND		ug/kg	0.808	0.331	1	A
Endrin aldehyde	ND		ug/kg	2.42	0.848	1	A
Endrin ketone	ND		ug/kg	1.94	0.499	1	A
Dieldrin	0.676	J	ug/kg	1.21	0.606	1	A
4,4'-DDE	2.10		ug/kg	1.94	0.448	1	A
4,4'-DDD	0.981	J	ug/kg	1.94	0.691	1	A
4,4'-DDT	3.13	J	ug/kg	3.63	1.56	1	B
Endosulfan I	ND		ug/kg	1.94	0.458	1	A
Endosulfan II	ND		ug/kg	1.94	0.648	1	A
Endosulfan sulfate	ND		ug/kg	0.808	0.384	1	A
Methoxychlor	ND		ug/kg	3.63	1.13	1	A
Toxaphene	ND		ug/kg	36.3	10.2	1	A
cis-Chlordane	2.23	J	ug/kg	2.42	0.675	1	A
trans-Chlordane	1.66	JIP	ug/kg	2.42	0.640	1	A
Chlordane	18.3		ug/kg	15.8	6.42	1	B

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02

Date Collected: 10/31/19 08:35

Client ID: S-13 (5.5-6)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	79		30-150	B
Decachlorobiphenyl	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-03
 Client ID: S-14 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:15
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/04/19 01:22
 Analyst: SL
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.756	0.338	1	A
Alpha-BHC	ND		ug/kg	0.756	0.215	1	A
Beta-BHC	ND		ug/kg	1.81	0.688	1	A
Heptachlor	ND		ug/kg	0.907	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.756	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.794	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.567	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.647	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.756	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.52	1	A
cis-Chlordane	ND		ug/kg	2.27	0.632	1	A
trans-Chlordane	ND		ug/kg	2.27	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.01	1	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-03

Date Collected: 10/31/19 09:15

Client ID: S-14 (8.5-9)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	79		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-04
 Client ID: S-15 (11.5-12)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:45
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/04/19 01:31
 Analyst: SL
 Percent Solids: 73%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.16	0.423	1	A
Lindane	ND		ug/kg	0.900	0.402	1	A
Alpha-BHC	ND		ug/kg	0.900	0.256	1	A
Beta-BHC	ND		ug/kg	2.16	0.819	1	A
Heptachlor	ND		ug/kg	1.08	0.484	1	A
Aldrin	ND		ug/kg	2.16	0.760	1	A
Heptachlor epoxide	ND		ug/kg	4.05	1.21	1	A
Endrin	ND		ug/kg	0.900	0.369	1	A
Endrin aldehyde	ND		ug/kg	2.70	0.945	1	A
Endrin ketone	ND		ug/kg	2.16	0.556	1	A
Dieldrin	ND		ug/kg	1.35	0.675	1	A
4,4'-DDE	ND		ug/kg	2.16	0.499	1	A
4,4'-DDD	ND		ug/kg	2.16	0.770	1	A
4,4'-DDT	ND		ug/kg	4.05	1.74	1	A
Endosulfan I	ND		ug/kg	2.16	0.510	1	A
Endosulfan II	ND		ug/kg	2.16	0.722	1	A
Endosulfan sulfate	ND		ug/kg	0.900	0.428	1	A
Methoxychlor	ND		ug/kg	4.05	1.26	1	A
Toxaphene	ND		ug/kg	40.5	11.3	1	A
cis-Chlordane	ND		ug/kg	2.70	0.752	1	A
trans-Chlordane	ND		ug/kg	2.70	0.712	1	A
Chlordane	ND		ug/kg	17.5	7.15	1	A

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-04

Date Collected: 10/31/19 09:45

Client ID: S-15 (11.5-12)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	79		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-05
 Client ID: S-16 (8.5-9)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:05
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/04/19 01:40
 Analyst: SL
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.884	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.773	1	A
Endrin ketone	ND		ug/kg	1.77	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.77	0.409	1	A
4,4'-DDD	ND		ug/kg	1.77	0.630	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	ND		ug/kg	1.77	0.591	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.28	1	A
cis-Chlordane	ND		ug/kg	2.21	0.616	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.4	5.86	1	A

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-05

Date Collected: 10/31/19 10:05

Client ID: S-16 (8.5-9)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	86		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-06
 Client ID: S-17 (3-3.5)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/04/19 01:49
 Analyst: SL
 Percent Solids: 87%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.884	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.773	1	A
Endrin ketone	ND		ug/kg	1.77	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	17.9		ug/kg	1.77	0.409	1	B
4,4'-DDD	ND		ug/kg	1.77	0.630	1	A
4,4'-DDT	10.1		ug/kg	3.31	1.42	1	B
Endosulfan I	ND		ug/kg	1.77	0.417	1	A
Endosulfan II	ND		ug/kg	1.77	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.28	1	A
cis-Chlordane	ND		ug/kg	2.21	0.616	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.4	5.85	1	A

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-06

Date Collected: 10/31/19 10:25

Client ID: S-17 (3-3.5)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	72		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07
 Client ID: S-18 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:55
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/04/19 01:58
 Analyst: SL
 Percent Solids: 85%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.754	0.337	1	A
Alpha-BHC	ND		ug/kg	0.754	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.686	1	A
Heptachlor	ND		ug/kg	0.904	0.405	1	A
Aldrin	ND		ug/kg	1.81	0.637	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.754	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.791	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.565	1	A
4,4'-DDE	ND		ug/kg	1.81	0.418	1	A
4,4'-DDD	ND		ug/kg	1.81	0.645	1	A
4,4'-DDT	ND		ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.81	0.427	1	A
Endosulfan II	ND		ug/kg	1.81	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.754	0.359	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
Toxaphene	ND		ug/kg	33.9	9.49	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.597	1	A
Chlordane	ND		ug/kg	14.7	5.99	1	A

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-07

Date Collected: 10/31/19 10:55

Client ID: S-18 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	81		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08
 Client ID: S-19 (10.5-11)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 11:35
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/04/19 02:25
 Analyst: SL
 Percent Solids: 74%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.07	0.405	1	A
Lindane	ND		ug/kg	0.861	0.385	1	A
Alpha-BHC	ND		ug/kg	0.861	0.244	1	A
Beta-BHC	ND		ug/kg	2.07	0.784	1	A
Heptachlor	ND		ug/kg	1.03	0.463	1	A
Aldrin	ND		ug/kg	2.07	0.728	1	A
Heptachlor epoxide	ND		ug/kg	3.88	1.16	1	A
Endrin	ND		ug/kg	0.861	0.353	1	A
Endrin aldehyde	ND		ug/kg	2.58	0.904	1	A
Endrin ketone	ND		ug/kg	2.07	0.532	1	A
Dieldrin	ND		ug/kg	1.29	0.646	1	A
4,4'-DDE	0.598	J	ug/kg	2.07	0.478	1	A
4,4'-DDD	ND		ug/kg	2.07	0.737	1	B
4,4'-DDT	ND		ug/kg	3.88	1.66	1	A
Endosulfan I	ND		ug/kg	2.07	0.488	1	A
Endosulfan II	ND		ug/kg	2.07	0.691	1	A
Endosulfan sulfate	ND		ug/kg	0.861	0.410	1	A
Methoxychlor	ND		ug/kg	3.88	1.20	1	A
Toxaphene	ND		ug/kg	38.8	10.8	1	A
cis-Chlordane	ND		ug/kg	2.58	0.720	1	A
trans-Chlordane	ND		ug/kg	2.58	0.682	1	A
Chlordane	ND		ug/kg	16.8	6.85	1	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08

Date Collected: 10/31/19 11:35

Client ID: S-19 (10.5-11)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	B
Decachlorobiphenyl	55		30-150	B
2,4,5,6-Tetrachloro-m-xylene	38		30-150	A
Decachlorobiphenyl	28	Q	30-150	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-09
 Client ID: S-19 (13.5-14)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/05/19 11:16
 Analyst: SM/SL
 Percent Solids: 80%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.788	0.352	1	A
Alpha-BHC	ND		ug/kg	0.788	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.717	1	A
Heptachlor	ND		ug/kg	0.946	0.424	1	A
Aldrin	ND		ug/kg	1.89	0.666	1	A
Heptachlor epoxide	ND		ug/kg	3.55	1.06	1	A
Endrin	ND		ug/kg	0.788	0.323	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.828	1	A
Endrin ketone	ND		ug/kg	1.89	0.487	1	A
Dieldrin	ND		ug/kg	1.18	0.591	1	A
4,4'-DDE	ND		ug/kg	1.89	0.437	1	A
4,4'-DDD	ND		ug/kg	1.89	0.675	1	A
4,4'-DDT	ND		ug/kg	3.55	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.447	1	A
Endosulfan II	ND		ug/kg	1.89	0.632	1	A
Endosulfan sulfate	ND		ug/kg	0.788	0.375	1	A
Methoxychlor	ND		ug/kg	3.55	1.10	1	A
Toxaphene	ND		ug/kg	35.5	9.93	1	A
cis-Chlordane	ND		ug/kg	2.36	0.659	1	A
trans-Chlordane	ND		ug/kg	2.36	0.624	1	A
Chlordane	ND		ug/kg	15.4	6.27	1	A

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-09

Date Collected: 10/31/19 12:00

Client ID: S-19 (13.5-14)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	79		30-150	B
Decachlorobiphenyl	122		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	84		30-150	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10
 Client ID: S-20 (3.5-4)
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/05/19 11:28
 Analyst: SM/SL
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 14:25
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.777	0.347	1	A
Alpha-BHC	ND		ug/kg	0.777	0.221	1	A
Beta-BHC	ND		ug/kg	1.86	0.707	1	A
Heptachlor	ND		ug/kg	0.932	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.50	1.05	1	A
Endrin	ND		ug/kg	0.777	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.816	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.16	0.583	1	A
4,4'-DDE	ND		ug/kg	1.86	0.431	1	A
4,4'-DDD	ND		ug/kg	1.86	0.665	1	A
4,4'-DDT	ND		ug/kg	3.50	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.623	1	A
Endosulfan sulfate	ND		ug/kg	0.777	0.370	1	A
Methoxychlor	ND		ug/kg	3.50	1.09	1	A
Toxaphene	ND		ug/kg	35.0	9.79	1	A
cis-Chlordane	ND		ug/kg	2.33	0.649	1	A
trans-Chlordane	ND		ug/kg	2.33	0.615	1	A
Chlordane	ND		ug/kg	15.1	6.18	1	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10

Date Collected: 10/31/19 12:25

Client ID: S-20 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	95		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	119		30-150	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-11
 Client ID: TW-2
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:25
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 11/05/19 12:25
 Analyst: BM

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-11

Date Collected: 10/31/19 13:25

Client ID: TW-2

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	136		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12
 Client ID: GW-3
 Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 13:00
 Date Received: 10/31/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8081B
 Analytical Date: 11/05/19 12:36
 Analyst: BM

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12

Date Collected: 10/31/19 13:00

Client ID: GW-3

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	72		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/05/19 17:25
 Analyst: BM

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 04:21
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-10 Batch: WG1303731-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.601	A
Heptachlor	ND		ug/kg	0.792	0.355	A
Aldrin	ND		ug/kg	1.58	0.558	A
Heptachlor epoxide	ND		ug/kg	2.97	0.891	A
Endrin	ND		ug/kg	0.660	0.271	A
Endrin aldehyde	ND		ug/kg	1.98	0.693	A
Endrin ketone	ND		ug/kg	1.58	0.408	A
Dieldrin	ND		ug/kg	0.990	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.529	A
Endosulfan sulfate	ND		ug/kg	0.660	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.924	A
Toxaphene	ND		ug/kg	29.7	8.32	A
cis-Chlordane	ND		ug/kg	1.98	0.552	A
trans-Chlordane	ND		ug/kg	1.98	0.523	A
Chlordane	ND		ug/kg	12.9	5.25	A

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/05/19 17:25
 Analyst: BM

Extraction Method: EPA 3546
 Extraction Date: 11/02/19 04:21
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/02/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-10 Batch: WG1303731-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	49		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	51		30-150	A

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/04/19 23:40
 Analyst: BM

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11-12 Batch: WG1304077-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
4,4'-DDT	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/04/19 23:40
 Analyst: BM

Extraction Method: EPA 3510C
 Extraction Date: 11/04/19 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11-12 Batch: WG1304077-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	108		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG1303731-2 WG1303731-3									
Delta-BHC	100		99		30-150	1		30	A
Lindane	90		90		30-150	0		30	A
Alpha-BHC	94		94		30-150	0		30	A
Beta-BHC	88		87		30-150	1		30	A
Heptachlor	94		95		30-150	1		30	A
Aldrin	94		88		30-150	7		30	A
Heptachlor epoxide	87		87		30-150	0		30	A
Endrin	96		96		30-150	0		30	A
Endrin aldehyde	74		70		30-150	6		30	A
Endrin ketone	75		80		30-150	6		30	A
Dieldrin	100		98		30-150	2		30	A
4,4'-DDE	98		92		30-150	6		30	A
4,4'-DDD	100		100		30-150	0		30	A
4,4'-DDT	86		91		30-150	6		30	A
Endosulfan I	91		86		30-150	6		30	A
Endosulfan II	92		92		30-150	0		30	A
Endosulfan sulfate	83		85		30-150	2		30	A
Methoxychlor	73		80		30-150	9		30	A
cis-Chlordane	86		76		30-150	12		30	A
trans-Chlordane	84		86		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG1303731-2 WG1303731-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		78		30-150	B
Decachlorobiphenyl	52		53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		77		30-150	A
Decachlorobiphenyl	55		55		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11-12 Batch: WG1304077-2 WG1304077-3									
Delta-BHC	57		102		30-150	57	Q	20	A
Lindane	69		103		30-150	39	Q	20	A
Alpha-BHC	73		105		30-150	37	Q	20	A
Beta-BHC	70		101		30-150	37	Q	20	A
Heptachlor	66		95		30-150	36	Q	20	A
Aldrin	71		103		30-150	37	Q	20	A
Heptachlor epoxide	73		108		30-150	39	Q	20	A
Endrin	74		111		30-150	41	Q	20	A
Endrin aldehyde	49		87		30-150	55	Q	20	A
Endrin ketone	59		106		30-150	57	Q	20	A
Dieldrin	74		112		30-150	41	Q	20	A
4,4'-DDE	69		104		30-150	41	Q	20	A
4,4'-DDD	69		107		30-150	43	Q	20	A
4,4'-DDT	66		104		30-150	45	Q	20	A
Endosulfan I	69		103		30-150	39	Q	20	A
Endosulfan II	68		113		30-150	50	Q	20	A
Endosulfan sulfate	52		103		30-150	65	Q	20	A
Methoxychlor	59		99		30-150	51	Q	20	A
cis-Chlordane	76		111		30-150	37	Q	20	A
trans-Chlordane	69		103		30-150	39	Q	20	A

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11-12 Batch: WG1304077-2 WG1304077-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		90		30-150	A
Decachlorobiphenyl	70		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		93		30-150	B
Decachlorobiphenyl	99		143		30-150	B

METALS

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01

Date Collected: 10/31/19 08:20

Client ID: S-12 (2.5-3)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	29400		mg/kg	8.91	2.41	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.46	0.339	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Arsenic, Total	2.47		mg/kg	0.891	0.185	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Barium, Total	156		mg/kg	0.891	0.155	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Beryllium, Total	0.570		mg/kg	0.446	0.029	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Cadmium, Total	1.57		mg/kg	0.891	0.087	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Calcium, Total	7750		mg/kg	8.91	3.12	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Chromium, Total	56.2		mg/kg	0.891	0.086	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Cobalt, Total	18.3		mg/kg	1.78	0.148	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Copper, Total	49.2		mg/kg	0.891	0.230	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Iron, Total	34400		mg/kg	4.46	0.805	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Lead, Total	19.9		mg/kg	4.46	0.239	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Magnesium, Total	9400		mg/kg	8.91	1.37	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Manganese, Total	360		mg/kg	0.891	0.142	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.084	0.055	1	11/02/19 00:14	11/04/19 22:28	EPA 7471B	1,7471B	GD
Nickel, Total	40.9		mg/kg	2.23	0.216	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Potassium, Total	10500		mg/kg	223	12.8	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Selenium, Total	0.597	J	mg/kg	1.78	0.230	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.891	0.252	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Sodium, Total	799		mg/kg	178	2.81	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Thallium, Total	0.356	J	mg/kg	1.78	0.281	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Vanadium, Total	77.1		mg/kg	0.891	0.181	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC
Zinc, Total	61.0		mg/kg	4.46	0.261	2	11/04/19 20:36	11/06/19 19:32	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02

Date Collected: 10/31/19 08:35

Client ID: S-13 (5.5-6)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12200		mg/kg	9.62	2.60	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.81	0.365	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Arsenic, Total	2.39		mg/kg	0.962	0.200	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Barium, Total	78.0		mg/kg	0.962	0.167	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Beryllium, Total	0.404	J	mg/kg	0.481	0.032	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Cadmium, Total	0.712	J	mg/kg	0.962	0.094	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Calcium, Total	1280		mg/kg	9.62	3.37	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Chromium, Total	39.6		mg/kg	0.962	0.092	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Cobalt, Total	8.57		mg/kg	1.92	0.160	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Copper, Total	23.3		mg/kg	0.962	0.248	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Iron, Total	16600		mg/kg	4.81	0.868	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Lead, Total	27.0		mg/kg	4.81	0.258	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Magnesium, Total	3260		mg/kg	9.62	1.48	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Manganese, Total	235		mg/kg	0.962	0.153	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.080	0.052	1	11/02/19 00:14	11/04/19 22:31	EPA 7471B	1,7471B	GD
Nickel, Total	40.5		mg/kg	2.40	0.233	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Potassium, Total	850		mg/kg	240	13.8	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Selenium, Total	0.442	J	mg/kg	1.92	0.248	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.962	0.272	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Sodium, Total	434		mg/kg	192	3.03	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.92	0.303	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Vanadium, Total	29.5		mg/kg	0.962	0.195	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC
Zinc, Total	43.3		mg/kg	4.81	0.282	2	11/04/19 20:36	11/06/19 19:54	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-03

Date Collected: 10/31/19 09:15

Client ID: S-14 (8.5-9)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5600		mg/kg	8.88	2.40	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.44	0.338	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Arsenic, Total	1.99		mg/kg	0.888	0.185	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Barium, Total	53.7		mg/kg	0.888	0.154	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Beryllium, Total	0.151	J	mg/kg	0.444	0.029	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Cadmium, Total	0.790	J	mg/kg	0.888	0.087	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Calcium, Total	918		mg/kg	8.88	3.11	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Chromium, Total	42.2		mg/kg	0.888	0.085	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Cobalt, Total	17.9		mg/kg	1.78	0.147	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Copper, Total	23.4		mg/kg	0.888	0.229	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Iron, Total	16900		mg/kg	4.44	0.802	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Lead, Total	3.64	J	mg/kg	4.44	0.238	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Magnesium, Total	4570		mg/kg	8.88	1.37	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Manganese, Total	349		mg/kg	0.888	0.141	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.085	0.056	1	11/02/19 00:14	11/04/19 22:34	EPA 7471B	1,7471B	GD
Nickel, Total	203		mg/kg	2.22	0.215	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Potassium, Total	1840		mg/kg	222	12.8	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Selenium, Total	0.480	J	mg/kg	1.78	0.229	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.888	0.251	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Sodium, Total	17.8	J	mg/kg	178	2.80	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.78	0.280	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Vanadium, Total	19.0		mg/kg	0.888	0.180	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC
Zinc, Total	28.2		mg/kg	4.44	0.260	2	11/04/19 20:36	11/06/19 19:58	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-04

Date Collected: 10/31/19 09:45

Client ID: S-15 (11.5-12)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	16600		mg/kg	10.7	2.88	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.34	0.406	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Arsenic, Total	1.55		mg/kg	1.07	0.222	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Barium, Total	116		mg/kg	1.07	0.186	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Beryllium, Total	0.395	J	mg/kg	0.534	0.035	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Cadmium, Total	2.49		mg/kg	1.07	0.105	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Calcium, Total	150		mg/kg	10.7	3.74	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Chromium, Total	42.9		mg/kg	1.07	0.102	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Cobalt, Total	9.29		mg/kg	2.14	0.177	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Copper, Total	130		mg/kg	1.07	0.275	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Iron, Total	52800		mg/kg	5.34	0.964	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Lead, Total	19.0		mg/kg	5.34	0.286	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Magnesium, Total	6200		mg/kg	10.7	1.64	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Manganese, Total	2720		mg/kg	1.07	0.170	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.108	0.070	1	11/02/19 00:14	11/04/19 22:38	EPA 7471B	1,7471B	GD
Nickel, Total	24.2		mg/kg	2.67	0.258	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Potassium, Total	9600		mg/kg	267	15.4	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Selenium, Total	1.98	J	mg/kg	2.14	0.275	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.07	0.302	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Sodium, Total	67.0	J	mg/kg	214	3.36	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Thallium, Total	0.673	J	mg/kg	2.14	0.336	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Vanadium, Total	51.5		mg/kg	1.07	0.217	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC
Zinc, Total	59.4		mg/kg	5.34	0.313	2	11/04/19 20:36	11/06/19 20:02	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-05

Date Collected: 10/31/19 10:05

Client ID: S-16 (8.5-9)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	18900		mg/kg	8.46	2.28	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.23	0.322	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Arsenic, Total	2.31		mg/kg	0.846	0.176	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Barium, Total	117		mg/kg	0.846	0.147	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Beryllium, Total	0.330	J	mg/kg	0.423	0.028	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Cadmium, Total	2.65		mg/kg	0.846	0.083	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Calcium, Total	156		mg/kg	8.46	2.96	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Chromium, Total	60.1		mg/kg	0.846	0.081	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Cobalt, Total	15.9		mg/kg	1.69	0.140	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Copper, Total	118		mg/kg	0.846	0.218	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Iron, Total	55600		mg/kg	4.23	0.764	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Lead, Total	12.5		mg/kg	4.23	0.227	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Magnesium, Total	9230		mg/kg	8.46	1.30	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Manganese, Total	1200		mg/kg	0.846	0.134	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/02/19 00:14	11/04/19 22:41	EPA 7471B	1,7471B	GD
Nickel, Total	17.2		mg/kg	2.12	0.205	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Potassium, Total	12500		mg/kg	212	12.2	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Selenium, Total	1.29	J	mg/kg	1.69	0.218	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.846	0.240	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Sodium, Total	104	J	mg/kg	169	2.67	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Thallium, Total	0.415	J	mg/kg	1.69	0.267	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Vanadium, Total	96.7		mg/kg	0.846	0.172	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC
Zinc, Total	75.9		mg/kg	4.23	0.248	2	11/04/19 20:36	11/06/19 20:06	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-06

Date Collected: 10/31/19 10:25

Client ID: S-17 (3-3.5)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11200		mg/kg	8.87	2.39	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.43	0.337	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Arsenic, Total	6.23		mg/kg	0.887	0.184	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Barium, Total	68.6		mg/kg	0.887	0.154	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Beryllium, Total	0.372	J	mg/kg	0.443	0.029	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Cadmium, Total	1.06		mg/kg	0.887	0.087	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Calcium, Total	2350		mg/kg	8.87	3.10	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Chromium, Total	68.5		mg/kg	0.887	0.085	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Cobalt, Total	20.3		mg/kg	1.77	0.147	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Copper, Total	21.3		mg/kg	0.887	0.229	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Iron, Total	20900		mg/kg	4.43	0.801	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Lead, Total	63.4		mg/kg	4.43	0.238	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Magnesium, Total	5550		mg/kg	8.87	1.36	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Manganese, Total	447		mg/kg	0.887	0.141	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Mercury, Total	0.112		mg/kg	0.091	0.059	1	11/02/19 00:14	11/04/19 22:44	EPA 7471B	1,7471B	GD
Nickel, Total	163		mg/kg	2.22	0.215	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Potassium, Total	1410		mg/kg	222	12.8	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Selenium, Total	0.692	J	mg/kg	1.77	0.229	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.887	0.251	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Sodium, Total	30.6	J	mg/kg	177	2.79	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.77	0.279	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Vanadium, Total	30.3		mg/kg	0.887	0.180	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC
Zinc, Total	61.8		mg/kg	4.43	0.260	2	11/04/19 20:36	11/06/19 20:23	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07

Date Collected: 10/31/19 10:55

Client ID: S-18 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	8080		mg/kg	9.28	2.51	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.64	0.353	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Arsenic, Total	3.39		mg/kg	0.928	0.193	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Barium, Total	84.2		mg/kg	0.928	0.162	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Beryllium, Total	0.288	J	mg/kg	0.464	0.031	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Cadmium, Total	0.761	J	mg/kg	0.928	0.091	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Calcium, Total	2930		mg/kg	9.28	3.25	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Chromium, Total	47.5		mg/kg	0.928	0.089	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Cobalt, Total	10.8		mg/kg	1.86	0.154	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Copper, Total	36.9		mg/kg	0.928	0.240	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Iron, Total	14700		mg/kg	4.64	0.838	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Lead, Total	241		mg/kg	4.64	0.249	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Magnesium, Total	4630		mg/kg	9.28	1.43	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Manganese, Total	174		mg/kg	0.928	0.148	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Mercury, Total	0.401		mg/kg	0.078	0.051	1	11/02/19 00:14	11/04/19 22:54	EPA 7471B	1,7471B	GD
Nickel, Total	80.9		mg/kg	2.32	0.225	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Potassium, Total	2260		mg/kg	232	13.4	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.86	0.240	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.928	0.263	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Sodium, Total	201		mg/kg	186	2.92	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.86	0.292	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Vanadium, Total	22.0		mg/kg	0.928	0.188	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC
Zinc, Total	129		mg/kg	4.64	0.272	2	11/04/19 20:36	11/06/19 20:28	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08

Date Collected: 10/31/19 11:35

Client ID: S-19 (10.5-11)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8040		mg/kg	10.5	2.85	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Antimony, Total	0.622	J	mg/kg	5.27	0.401	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Arsenic, Total	0.833	J	mg/kg	1.05	0.219	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Barium, Total	111		mg/kg	1.05	0.183	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Beryllium, Total	1.98		mg/kg	0.527	0.035	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Cadmium, Total	0.938	J	mg/kg	1.05	0.103	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Calcium, Total	1970		mg/kg	10.5	3.69	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Chromium, Total	48.0		mg/kg	1.05	0.101	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Cobalt, Total	20.2		mg/kg	2.11	0.175	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Copper, Total	113		mg/kg	1.05	0.272	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Iron, Total	19900		mg/kg	5.27	0.952	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Lead, Total	5.94		mg/kg	5.27	0.282	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Magnesium, Total	3350		mg/kg	10.5	1.62	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Manganese, Total	969		mg/kg	1.05	0.168	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.107	0.070	1	11/02/19 00:14	11/04/19 22:57	EPA 7471B	1,7471B	GD
Nickel, Total	159		mg/kg	2.64	0.255	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Potassium, Total	643		mg/kg	264	15.2	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Selenium, Total	0.590	J	mg/kg	2.11	0.272	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.05	0.298	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Sodium, Total	208	J	mg/kg	211	3.32	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Thallium, Total	0.358	J	mg/kg	2.11	0.332	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Vanadium, Total	32.0		mg/kg	1.05	0.214	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC
Zinc, Total	21.0		mg/kg	5.27	0.309	2	11/04/19 20:36	11/06/19 20:32	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-09

Date Collected: 10/31/19 12:00

Client ID: S-19 (13.5-14)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7640		mg/kg	9.35	2.52	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Antimony, Total	1.64	J	mg/kg	4.68	0.355	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.935	0.194	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Barium, Total	39.3		mg/kg	0.935	0.163	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Beryllium, Total	3.32		mg/kg	0.468	0.031	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Cadmium, Total	0.954		mg/kg	0.935	0.092	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Calcium, Total	3040		mg/kg	9.35	3.27	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Chromium, Total	56.8		mg/kg	0.935	0.090	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Cobalt, Total	21.7		mg/kg	1.87	0.155	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Copper, Total	90.8		mg/kg	0.935	0.241	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Iron, Total	80500		mg/kg	46.8	8.44	20	11/05/19 08:20	11/05/19 17:07	EPA 3050B	1,6010D	LC
Lead, Total	7.21		mg/kg	4.68	0.251	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Magnesium, Total	4290		mg/kg	9.35	1.44	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Manganese, Total	754		mg/kg	0.935	0.149	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.080	0.052	1	11/05/19 07:15	11/05/19 11:57	EPA 7471B	1,7471B	GD
Nickel, Total	113		mg/kg	2.34	0.226	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Potassium, Total	1450		mg/kg	234	13.5	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.87	0.241	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Silver, Total	0.393	J	mg/kg	0.935	0.265	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Sodium, Total	216		mg/kg	187	2.94	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Thallium, Total	0.823	J	mg/kg	1.87	0.294	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Vanadium, Total	56.0		mg/kg	0.935	0.190	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC
Zinc, Total	82.9		mg/kg	4.68	0.274	2	11/05/19 08:20	11/05/19 15:50	EPA 3050B	1,6010D	LC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10

Date Collected: 10/31/19 12:25

Client ID: S-20 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	21100		mg/kg	9.25	2.50	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.62	0.352	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Arsenic, Total	3.08		mg/kg	0.925	0.192	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Barium, Total	79.5		mg/kg	0.925	0.161	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Beryllium, Total	0.796		mg/kg	0.462	0.031	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Cadmium, Total	1.42		mg/kg	0.925	0.091	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Calcium, Total	732		mg/kg	9.25	3.24	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Chromium, Total	61.0		mg/kg	0.925	0.089	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Cobalt, Total	15.7		mg/kg	1.85	0.154	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Copper, Total	26.2		mg/kg	0.925	0.239	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Iron, Total	33800		mg/kg	4.62	0.835	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Lead, Total	19.3		mg/kg	4.62	0.248	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Magnesium, Total	5690		mg/kg	9.25	1.42	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Manganese, Total	376		mg/kg	0.925	0.147	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.092	0.060	1	11/02/19 00:14	11/04/19 23:01	EPA 7471B	1,7471B	GD
Nickel, Total	74.5		mg/kg	2.31	0.224	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Potassium, Total	1560		mg/kg	231	13.3	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Selenium, Total	0.694	J	mg/kg	1.85	0.239	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.925	0.262	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Sodium, Total	766		mg/kg	185	2.91	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.85	0.291	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Vanadium, Total	54.9		mg/kg	0.925	0.188	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC
Zinc, Total	77.2		mg/kg	4.62	0.271	2	11/04/19 20:36	11/06/19 20:36	EPA 3050B	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-11

Date Collected: 10/31/19 13:25

Client ID: TW-2

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	97.7		mg/l	0.0100	0.00327	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Arsenic, Total	0.01602		mg/l	0.00050	0.00016	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Barium, Total	0.8328		mg/l	0.00050	0.00017	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00572		mg/l	0.00050	0.00010	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00121		mg/l	0.00020	0.00005	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Calcium, Total	35.9		mg/l	0.100	0.0394	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Chromium, Total	0.4059		mg/l	0.00100	0.00017	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Cobalt, Total	0.1889		mg/l	0.00050	0.00016	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Copper, Total	0.5880		mg/l	0.00100	0.00038	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Iron, Total	148.		mg/l	0.100	0.0191	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Lead, Total	0.2690		mg/l	0.00100	0.00034	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Magnesium, Total	40.5		mg/l	0.0700	0.0242	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Manganese, Total	8.286		mg/l	0.00100	0.00044	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/04/19 12:13	11/04/19 15:38	EPA 7470A	1,7470A	GD
Nickel, Total	1.122		mg/l	0.00200	0.00055	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Potassium, Total	17.5		mg/l	0.100	0.0309	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Selenium, Total	0.0270		mg/l	0.00500	0.00173	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Silver, Total	0.00046		mg/l	0.00040	0.00016	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Sodium, Total	32.6		mg/l	0.100	0.0293	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Thallium, Total	0.00198		mg/l	0.00100	0.00014	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Vanadium, Total	0.1912		mg/l	0.00500	0.00157	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Zinc, Total	0.6638		mg/l	0.01000	0.00341	1	11/05/19 09:33	11/05/19 15:31	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	2.42		mg/l	0.0100	0.00327	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00196	J	mg/l	0.00400	0.00042	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00150		mg/l	0.00050	0.00016	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.02329		mg/l	0.00050	0.00017	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	0.00013	J	mg/l	0.00050	0.00010	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM



Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**SAMPLE RESULTS**

Lab ID: L1951621-11

Date Collected: 10/31/19 13:25

Client ID: TW-2

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Calcium, Dissolved	10.6		mg/l	0.100	0.0394	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.01210		mg/l	0.00100	0.00017	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00303		mg/l	0.00050	0.00016	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.01161		mg/l	0.00100	0.00038	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Iron, Dissolved	3.24		mg/l	0.100	0.0191	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00727		mg/l	0.00100	0.00034	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	2.64		mg/l	0.0700	0.0242	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.2097		mg/l	0.00200	0.00044	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/06/19 11:51	11/06/19 16:53	EPA 7470A	1,7470A	AL
Nickel, Dissolved	0.03022		mg/l	0.00200	0.00055	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Potassium, Dissolved	4.13		mg/l	0.100	0.0309	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Sodium, Dissolved	29.4		mg/l	0.100	0.0293	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00019	J	mg/l	0.00100	0.00014	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00692		mg/l	0.00500	0.00157	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01461		mg/l	0.01000	0.00341	1	11/06/19 12:10	11/06/19 17:13	EPA 3005A	1,6020B	AM



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12

Date Collected: 10/31/19 13:00

Client ID: GW-3

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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	4.78		mg/l	0.0100	0.00327	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00553		mg/l	0.00050	0.00016	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Barium, Total	0.3839		mg/l	0.00050	0.00017	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00024	J	mg/l	0.00050	0.00010	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Calcium, Total	22.0		mg/l	0.100	0.0394	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Chromium, Total	0.01601		mg/l	0.00100	0.00017	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00329		mg/l	0.00050	0.00016	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Copper, Total	0.00803		mg/l	0.00100	0.00038	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Iron, Total	24.1		mg/l	0.100	0.0191	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Lead, Total	0.00488		mg/l	0.00100	0.00034	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Magnesium, Total	9.69		mg/l	0.0700	0.0242	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Manganese, Total	1.276		mg/l	0.00100	0.00044	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/04/19 12:13	11/04/19 15:39	EPA 7470A	1,7470A	GD
Nickel, Total	0.00920		mg/l	0.00200	0.00055	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Potassium, Total	5.21		mg/l	0.100	0.0309	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Sodium, Total	40.1		mg/l	0.100	0.0293	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Thallium, Total	0.00017	J	mg/l	0.00100	0.00014	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Vanadium, Total	0.01671		mg/l	0.00500	0.00157	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Zinc, Total	0.01668		mg/l	0.01000	0.00341	1	11/05/19 09:33	11/05/19 15:35	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0210		mg/l	0.0100	0.00327	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00065		mg/l	0.00050	0.00016	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2226		mg/l	0.00050	0.00017	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-12

Date Collected: 10/31/19 13:00

Client ID: GW-3

Date Received: 10/31/19

Sample Location: PORT CHESTER, 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
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Calcium, Dissolved	19.2		mg/l	0.100	0.0394	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00021	J	mg/l	0.00100	0.00017	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00041	J	mg/l	0.00050	0.00016	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00044	J	mg/l	0.00100	0.00038	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.434		mg/l	0.100	0.0191	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	7.37		mg/l	0.0700	0.0242	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Manganese, Dissolved	1.059		mg/l	0.00200	0.00044	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/06/19 11:51	11/06/19 16:59	EPA 7470A	1,7470A	AL
Nickel, Dissolved	0.00259		mg/l	0.00200	0.00055	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Potassium, Dissolved	3.37		mg/l	0.100	0.0309	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Sodium, Dissolved	38.8		mg/l	0.100	0.0293	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/06/19 12:10	11/06/19 17:17	EPA 3005A	1,6020B	AM



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

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): 01-08,10 Batch: WG1303656-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/02/19 00:14	11/04/19 21:58	1,7471B	GD

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): 11-12 Batch: WG1304380-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/04/19 12:13	11/04/19 15:07	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08,10 Batch: WG1304428-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Iron, Total	0.536	J	mg/kg	2.00	0.361	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Potassium, Total	ND	mg/kg	100	5.76	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Selenium, Total	ND	mg/kg	0.800	0.103	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Silver, Total	ND	mg/kg	0.400	0.113	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Sodium, Total	ND	mg/kg	80.0	1.26	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Thallium, Total	ND	mg/kg	0.800	0.126	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Vanadium, Total	ND	mg/kg	0.400	0.081	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC
Zinc, Total	ND	mg/kg	2.00	0.117	1	11/04/19 20:36	11/06/19 19:11	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 09 Batch: WG1304564-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/05/19 07:15	11/05/19 11:30	1,7471B	GD

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): 09 Batch: WG1304570-1										
Aluminum, Total	3.87	J	mg/kg	4.00	1.08	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Beryllium, Total	0.016	J	mg/kg	0.200	0.013	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Calcium, Total	1.68	J	mg/kg	4.00	1.40	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Chromium, Total	0.052	J	mg/kg	0.400	0.038	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Copper, Total	0.128	J	mg/kg	0.400	0.103	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Iron, Total	75.7		mg/kg	2.00	0.361	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Magnesium, Total	1.83	J	mg/kg	4.00	0.616	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Manganese, Total	0.940		mg/kg	0.400	0.064	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Nickel, Total	0.132	J	mg/kg	1.00	0.097	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC
Zinc, Total	0.128	J	mg/kg	2.00	0.117	1	11/05/19 08:20	11/05/19 10:09	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 11-12 Batch: WG1304648-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Iron, Total	0.0216	J	mg/l	0.100	0.0191	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Thallium, Total	ND	mg/l	0.00100	0.00014	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	11/05/19 09:33	11/05/19 14:12	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 11-12 Batch: WG1305281-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	11/06/19 11:51	11/06/19 16:45	1,7470A	AL

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 11-12 Batch: WG1305293-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.100	0.0191	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Manganese, Dissolved	0.00140	J	mg/l	0.00200	0.00044	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

Method Blank Analysis Batch Quality Control

Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Sodium, Dissolved	0.0736	J	mg/l	0.100	0.0293	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	11/06/19 12:10	11/06/19 16:47	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1303656-2 SRM Lot Number: D105-540								
Mercury, Total	96		-		60-141	-		
Total Metals - Mansfield Lab Associated sample(s): 11-12 Batch: WG1304380-2								
Mercury, Total	98		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1304428-2 SRM Lot Number: D105-540					
Aluminum, Total	52	-	51-149	-	
Antimony, Total	122	-	19-249	-	
Arsenic, Total	89	-	70-130	-	
Barium, Total	82	-	75-125	-	
Beryllium, Total	85	-	75-125	-	
Cadmium, Total	78	-	75-125	-	
Calcium, Total	75	-	73-127	-	
Chromium, Total	84	-	70-130	-	
Cobalt, Total	81	-	75-125	-	
Copper, Total	85	-	75-125	-	
Iron, Total	68	-	38-162	-	
Lead, Total	83	-	71-128	-	
Magnesium, Total	69	-	63-137	-	
Manganese, Total	79	-	76-124	-	
Nickel, Total	82	-	70-131	-	
Potassium, Total	66	-	60-140	-	
Selenium, Total	84	-	63-137	-	
Silver, Total	88	-	69-131	-	
Sodium, Total	92	-	37-162	-	
Thallium, Total	81	-	68-132	-	
Vanadium, Total	77	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 Batch: WG1304428-2 SRM Lot Number: D105-540					
Zinc, Total	83	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1304564-2 SRM Lot Number: D105-540					
Mercury, Total	99	-	60-141	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1304570-2 SRM Lot Number: D105-540					
Aluminum, Total	55	-	51-149	-	
Antimony, Total	153	-	19-249	-	
Arsenic, Total	97	-	70-130	-	
Barium, Total	79	-	75-125	-	
Beryllium, Total	84	-	75-125	-	
Cadmium, Total	87	-	75-125	-	
Calcium, Total	80	-	73-127	-	
Chromium, Total	85	-	70-130	-	
Cobalt, Total	92	-	75-125	-	
Copper, Total	84	-	75-125	-	
Iron, Total	74	-	38-162	-	
Lead, Total	91	-	71-128	-	
Magnesium, Total	73	-	63-137	-	
Manganese, Total	77	-	76-124	-	
Nickel, Total	94	-	70-131	-	
Potassium, Total	72	-	60-140	-	
Selenium, Total	93	-	63-137	-	
Silver, Total	86	-	69-131	-	
Sodium, Total	90	-	37-162	-	
Thallium, Total	88	-	68-132	-	
Vanadium, Total	82	-	65-135	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** Not Specified**Project Number:** 10920**Lab Number:** L1951621**Report Date:** 11/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1304570-2 SRM Lot Number: D105-540					
Zinc, Total	91	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11-12 Batch: WG1304648-2					
Aluminum, Total	107	-	80-120	-	
Antimony, Total	80	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	99	-	80-120	-	
Beryllium, Total	96	-	80-120	-	
Cadmium, Total	101	-	80-120	-	
Calcium, Total	113	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	96	-	80-120	-	
Iron, Total	116	-	80-120	-	
Lead, Total	104	-	80-120	-	
Magnesium, Total	110	-	80-120	-	
Manganese, Total	106	-	80-120	-	
Nickel, Total	106	-	80-120	-	
Potassium, Total	106	-	80-120	-	
Selenium, Total	108	-	80-120	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	107	-	80-120	-	
Thallium, Total	106	-	80-120	-	
Vanadium, Total	104	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** Not Specified**Project Number:** 10920**Lab Number:** L1951621**Report Date:** 11/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11-12 Batch: WG1304648-2					
Zinc, Total	105	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 11-12 Batch: WG1305281-2					
Mercury, Dissolved	103	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 11-12 Batch: WG1305293-2					
Aluminum, Dissolved	106	-	80-120	-	
Antimony, Dissolved	80	-	80-120	-	
Arsenic, Dissolved	97	-	80-120	-	
Barium, Dissolved	103	-	80-120	-	
Beryllium, Dissolved	100	-	80-120	-	
Cadmium, Dissolved	101	-	80-120	-	
Calcium, Dissolved	109	-	80-120	-	
Chromium, Dissolved	100	-	80-120	-	
Cobalt, Dissolved	100	-	80-120	-	
Copper, Dissolved	93	-	80-120	-	
Iron, Dissolved	109	-	80-120	-	
Lead, Dissolved	106	-	80-120	-	
Magnesium, Dissolved	105	-	80-120	-	
Manganese, Dissolved	101	-	80-120	-	
Nickel, Dissolved	105	-	80-120	-	
Potassium, Dissolved	107	-	80-120	-	
Selenium, Dissolved	94	-	80-120	-	
Silver, Dissolved	96	-	80-120	-	
Sodium, Dissolved	104	-	80-120	-	
Thallium, Dissolved	108	-	80-120	-	
Vanadium, Dissolved	101	-	80-120	-	

Lab Control Sample Analysis**Batch Quality Control****Project Name:** Not Specified**Project Number:** 10920**Lab Number:** L1951621**Report Date:** 11/08/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 11-12 Batch: WG1305293-2					
Zinc, Dissolved	105	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

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): 01-08,10 QC Batch ID: WG1303656-3 QC Sample: L1951583-18 Client ID: MS Sample												
Mercury, Total	0.226	0.233	2.26	874	Q	-	-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 11-12 QC Batch ID: WG1304380-3 WG1304380-4 QC Sample: L1951403-02 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00488	98		0.00498	100		75-125	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

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): 01-08,10 QC Batch ID: WG1304428-3 QC Sample: L1951621-01 Client ID: S-12 (2.5-3)									
Aluminum, Total	29400	180	30900	835	Q	-	75-125	-	20
Antimony, Total	ND	44.9	36.8	82		-	75-125	-	20
Arsenic, Total	2.47	10.8	13.2	100		-	75-125	-	20
Barium, Total	156	180	354	110		-	75-125	-	20
Beryllium, Total	0.570	4.49	5.08	100		-	75-125	-	20
Cadmium, Total	1.57	4.58	5.69	90		-	75-125	-	20
Calcium, Total	7750	898	9720	219	Q	-	75-125	-	20
Chromium, Total	56.2	18	70.7	81		-	75-125	-	20
Cobalt, Total	18.3	44.9	58.4	89		-	75-125	-	20
Copper, Total	49.2	22.4	80.6	140	Q	-	75-125	-	20
Iron, Total	34400	89.8	36600	2450	Q	-	75-125	-	20
Lead, Total	19.9	45.8	60.1	88		-	75-125	-	20
Magnesium, Total	9400	898	9820	47	Q	-	75-125	-	20
Manganese, Total	360	44.9	428	151	Q	-	75-125	-	20
Nickel, Total	40.9	44.9	79.1	85		-	75-125	-	20
Potassium, Total	10500	898	11200	78		-	75-125	-	20
Selenium, Total	0.597J	10.8	10.8	100		-	75-125	-	20
Silver, Total	ND	26.9	28.1	104		-	75-125	-	20
Sodium, Total	799	898	1830	115		-	75-125	-	20
Thallium, Total	0.356J	10.8	9.48	88		-	75-125	-	20
Vanadium, Total	77.1	44.9	115	84		-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

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): 01-08,10 QC Batch ID: WG1304428-3 QC Sample: L1951621-01 Client ID: S-12 (2.5-3)									
Zinc, Total	61.0	44.9	96.1	78	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1304564-3 QC Sample: L1952202-03 Client ID: MS Sample									
Mercury, Total	ND	0.16	0.165	103	-	-	80-120	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

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): 09 QC Batch ID: WG1304570-3 QC Sample: L1952202-03 Client ID: MS Sample									
Aluminum, Total	4350	197	4380	15	Q	-	75-125	-	20
Antimony, Total	ND	49.4	44.4	90		-	75-125	-	20
Arsenic, Total	1.03	11.8	12.2	94		-	75-125	-	20
Barium, Total	38.3	197	195	79		-	75-125	-	20
Beryllium, Total	ND	4.94	4.01	81		-	75-125	-	20
Cadmium, Total	0.209J	5.03	4.85	96		-	75-125	-	20
Calcium, Total	424	987	1200	79		-	75-125	-	20
Chromium, Total	14.2	19.7	28.5	72	Q	-	75-125	-	20
Cobalt, Total	5.77	49.4	49.9	89		-	75-125	-	20
Copper, Total	6.72	24.7	26.5	80		-	75-125	-	20
Iron, Total	14100	98.7	10600	0	Q	-	75-125	-	20
Lead, Total	2.94J	50.3	49.2	98		-	75-125	-	20
Magnesium, Total	1510	987	2350	85		-	75-125	-	20
Manganese, Total	420	49.4	308	0	Q	-	75-125	-	20
Nickel, Total	9.02	49.4	53.2	90		-	75-125	-	20
Potassium, Total	1200	987	2080	89		-	75-125	-	20
Selenium, Total	0.318J	11.8	11.4	96		-	75-125	-	20
Silver, Total	ND	29.6	21.6	73	Q	-	75-125	-	20
Sodium, Total	66.7J	987	910	92		-	75-125	-	20
Thallium, Total	ND	11.8	9.93	84		-	75-125	-	20
Vanadium, Total	24.7	49.4	59.6	71	Q	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

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): 09 QC Batch ID: WG1304570-3 QC Sample: L1952202-03 Client ID: MS Sample									
Zinc, Total	19.1	49.4	65.7	94	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

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): 11-12 QC Batch ID: WG1304648-3 WG1304648-4 QC Sample: L1951484-02 Client ID: MS Sample									
Aluminum, Total	0.232	2	2.35	106	2.37	107	75-125	1	20
Antimony, Total	ND	0.5	0.4829	96	0.4852	97	75-125	0	20
Arsenic, Total	0.00111J	0.12	0.1369	114	0.1325	110	75-125	3	20
Barium, Total	0.3223	2	2.273	98	2.369	102	75-125	4	20
Beryllium, Total	ND	0.05	0.04943	99	0.04908	98	75-125	1	20
Cadmium, Total	ND	0.051	0.05587	110	0.05688	112	75-125	2	20
Calcium, Total	166.	10	184	180	Q 185	190	Q 75-125	1	20
Chromium, Total	0.00219J	0.2	0.2034	102	0.2081	104	75-125	2	20
Cobalt, Total	0.00202J	0.5	0.5160	103	0.5265	105	75-125	2	20
Copper, Total	ND	0.25	0.2402	96	0.2474	99	75-125	3	20
Iron, Total	16.5	1	19.5	300	Q 19.2	270	Q 75-125	2	20
Lead, Total	ND	0.51	0.5332	104	0.5380	105	75-125	1	20
Magnesium, Total	22.1	10	34.0	119	33.0	109	75-125	3	20
Manganese, Total	2.632	0.5	3.265	127	Q 3.252	124	75-125	0	20
Nickel, Total	0.00965J	0.5	0.5211	104	0.5447	109	75-125	4	20
Potassium, Total	16.8	10	28.8	120	28.4	116	75-125	1	20
Selenium, Total	ND	0.12	0.122	102	0.145	121	75-125	17	20
Silver, Total	ND	0.05	0.04651	93	0.04816	96	75-125	3	20
Sodium, Total	1400	10	1420	200	Q 1430	300	Q 75-125	1	20
Thallium, Total	ND	0.12	0.1402	117	0.1330	111	75-125	5	20
Vanadium, Total	ND	0.5	0.5231	105	0.5154	103	75-125	1	20

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

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): 11-12 QC Batch ID: WG1304648-3 WG1304648-4 QC Sample: L1951484-02 Client ID: MS Sample									
Zinc, Total	0.06890	0.5	0.5937	105	0.6138	109	75-125	3	20
Dissolved Metals - Mansfield Lab Associated sample(s): 11-12 QC Batch ID: WG1305281-3 QC Sample: L1951621-11 Client ID: TW-2									
Mercury, Dissolved	ND	0.005	0.00506	101	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 11-12 QC Batch ID: WG1305293-3 QC Sample: L1951803-05 Client ID: MS Sample									
Aluminum, Dissolved	0.0318	2	1.58	77	-	-	75-125	-	20
Antimony, Dissolved	0.00152J	0.5	0.3939	79	-	-	75-125	-	20
Arsenic, Dissolved	0.00018J	0.12	0.1288	107	-	-	75-125	-	20
Barium, Dissolved	0.05104	2	1.608	78	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.03912	78	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.03848	75	-	-	75-125	-	20
Calcium, Dissolved	60.6	10	72.9	123	-	-	75-125	-	20
Chromium, Dissolved	0.00020J	0.2	0.1536	77	-	-	75-125	-	20
Cobalt, Dissolved	0.01439	0.5	0.3917	75	-	-	75-125	-	20
Copper, Dissolved	0.00758	0.25	0.1858	71	Q	-	75-125	-	20
Iron, Dissolved	0.0411J	1	1.02	102	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5601	110	-	-	75-125	-	20
Magnesium, Dissolved	17.6	10	29.2	116	-	-	75-125	-	20
Manganese, Dissolved	0.2446	0.5	0.6259	76	-	-	75-125	-	20
Nickel, Dissolved	0.02435	0.5	0.4041	76	-	-	75-125	-	20
Potassium, Dissolved	19.5	10	31.1	116	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.145	121	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.03597	72	Q	-	75-125	-	20
Sodium, Dissolved	75.8	10	77.3	15	Q	-	75-125	-	20
Thallium, Dissolved	0.00029J	0.12	0.1374	114	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.3894	78	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control**Project Name:** Not Specified**Project Number:** 10920**Lab Number:** L1951621**Report Date:** 11/08/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 11-12 QC Batch ID: WG1305293-3 QC Sample: L1951803-05 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.3951	79	-	-	75-125	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1303656-4 QC Sample: L1951583-18 Client ID: DUP Sample						
Mercury, Total	0.226	0.833	mg/kg	115	Q	20

Lab Duplicate Analysis **Batch Quality Control**

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1304428-4 QC Sample: L1951621-01 Client ID: S-12 (2.5-3)					
Aluminum, Total	29400	27500	mg/kg	7	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	2.47	2.17	mg/kg	13	20
Barium, Total	156	148	mg/kg	5	20
Beryllium, Total	0.570	0.507	mg/kg	12	20
Cadmium, Total	1.57	1.46	mg/kg	7	20
Calcium, Total	7750	7650	mg/kg	1	20
Chromium, Total	56.2	50.1	mg/kg	11	20
Cobalt, Total	18.3	17.0	mg/kg	7	20
Copper, Total	49.2	48.4	mg/kg	2	20
Iron, Total	34400	33200	mg/kg	4	20
Lead, Total	19.9	19.0	mg/kg	5	20
Magnesium, Total	9400	8270	mg/kg	13	20
Manganese, Total	360	334	mg/kg	7	20
Nickel, Total	40.9	38.8	mg/kg	5	20
Potassium, Total	10500	9340	mg/kg	12	20
Selenium, Total	0.597J	0.661J	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	799	794	mg/kg	1	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08,10 QC Batch ID: WG1304428-4 QC Sample: L1951621-01 Client ID: S-12 (2.5-3)					
Thallium, Total	0.356J	0.308J	mg/kg	NC	20
Vanadium, Total	77.1	69.8	mg/kg	10	20
Zinc, Total	61.0	52.6	mg/kg	15	20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1304564-4 QC Sample: L1952202-03 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1304570-4 QC Sample: L1952202-03 Client ID: DUP Sample					
Aluminum, Total	4350	4290	mg/kg	1	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	1.03	0.891J	mg/kg	NC	20
Barium, Total	38.3	35.2	mg/kg	8	20
Beryllium, Total	ND	ND	mg/kg	NC	20
Cadmium, Total	0.209J	0.158J	mg/kg	NC	20
Calcium, Total	424	387	mg/kg	9	20
Chromium, Total	14.2	12.8	mg/kg	10	20
Cobalt, Total	5.77	5.89	mg/kg	2	20
Copper, Total	6.72	6.85	mg/kg	2	20
Iron, Total	14100	10000	mg/kg	34	Q 20
Lead, Total	2.94J	2.94J	mg/kg	NC	20
Magnesium, Total	1510	1680	mg/kg	11	20
Manganese, Total	420	206	mg/kg	68	Q 20
Nickel, Total	9.02	9.20	mg/kg	2	20
Potassium, Total	1200	1410	mg/kg	16	20
Selenium, Total	0.318J	0.416J	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	66.7J	66.0J	mg/kg	NC	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1304570-4 QC Sample: L1952202-03 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	24.7	16.0	mg/kg	43 Q	20
Zinc, Total	19.1	20.9	mg/kg	9	20
Dissolved Metals - Mansfield Lab Associated sample(s): 11-12 QC Batch ID: WG1305281-4 QC Sample: L1951621-11 Client ID: TW-2					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 11-12 QC Batch ID: WG1305293-4 QC Sample: L1951803-05 Client ID: DUP Sample					
Aluminum, Dissolved	0.0318	0.0282	mg/l	12	20
Antimony, Dissolved	0.00152J	0.00186J	mg/l	NC	20
Arsenic, Dissolved	0.00018J	0.00034J	mg/l	NC	20
Barium, Dissolved	0.05104	0.05228	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	60.6	61.8	mg/l	2	20
Chromium, Dissolved	0.00020J	0.00028J	mg/l	NC	20
Cobalt, Dissolved	0.01439	0.01537	mg/l	7	20
Copper, Dissolved	0.00758	0.00765	mg/l	1	20
Iron, Dissolved	0.0411J	0.0828J	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	17.6	17.8	mg/l	1	20
Manganese, Dissolved	0.2446	0.2475	mg/l	1	20
Nickel, Dissolved	0.02435	0.02543	mg/l	4	20
Potassium, Dissolved	19.5	19.5	mg/l	0	20
Selenium, Dissolved	ND	0.00182J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	75.8	75.9	mg/l	0	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 11-12 QC Batch ID: WG1305293-4 QC Sample: L1951803-05 Client ID: DUP Sample					
Thallium, Dissolved	0.00029J	0.00088J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-01

Date Collected: 10/31/19 08:20

Client ID: S-12 (2.5-3)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	11/01/19 10:13	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	11/01/19 14:15	11/01/19 16:43	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-02

Date Collected: 10/31/19 08:35

Client ID: S-13 (5.5-6)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	11/01/19 10:13	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	11/01/19 14:15	11/01/19 17:14	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-03

Date Collected: 10/31/19 09:15

Client ID: S-14 (8.5-9)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	11/01/19 10:13	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	11/01/19 14:15	11/01/19 16:45	1,9010C/9012B	LH



Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-04

Client ID: S-15 (11.5-12)

Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 09:45

Date Received: 10/31/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.6		%	0.100	NA	1	-	11/01/19 10:13	121,2540G	RI
Cyanide, Total	0.49	J	mg/kg	1.3	0.28	1	11/01/19 14:15	11/01/19 17:18	1,9010C/9012B	LH



Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-05

Client ID: S-16 (8.5-9)

Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 10:05

Date Received: 10/31/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	11/01/19 10:13	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	11/01/19 14:15	11/01/19 16:49	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-06

Date Collected: 10/31/19 10:25

Client ID: S-17 (3-3.5)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	11/01/19 10:13	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	11/01/19 14:15	11/01/19 16:50	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-07

Date Collected: 10/31/19 10:55

Client ID: S-18 (3.5-4)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	11/01/19 10:13	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	11/01/19 14:15	11/01/19 16:51	1,9010C/9012B	LH



Project Name: Not Specified

Lab Number: L1951621

Project Number: 10920

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-08

Date Collected: 10/31/19 11:35

Client ID: S-19 (10.5-11)

Date Received: 10/31/19

Sample Location: PORT CHESTER, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.1		%	0.100	NA	1	-	11/01/19 10:13	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.27	1	11/01/19 14:15	11/01/19 16:54	1,9010C/9012B	LH



Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-09

Client ID: S-19 (13.5-14)

Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:00

Date Received: 10/31/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.4		%	0.100	NA	1	-	11/02/19 11:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	11/01/19 14:15	11/01/19 16:55	1,9010C/9012B	LH



Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

SAMPLE RESULTS

Lab ID: L1951621-10

Client ID: S-20 (3.5-4)

Sample Location: PORT CHESTER, NY

Date Collected: 10/31/19 12:25

Date Received: 10/31/19

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	11/01/19 10:13	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	11/01/19 14:15	11/01/19 16:56	1,9010C/9012B	LH



Project Name: Not Specified**Project Number:** 10920**Lab Number:** L1951621**Report Date:** 11/08/19**SAMPLE RESULTS****Lab ID:** L1951621-11**Client ID:** TW-2**Sample Location:** PORT CHESTER, NY**Date Collected:** 10/31/19 13:25**Date Received:** 10/31/19**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

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	11/01/19 10:45	11/01/19 14:15	1,9010C/9012B	LH



Project Name: Not Specified**Project Number:** 10920**Lab Number:** L1951621**Report Date:** 11/08/19**SAMPLE RESULTS****Lab ID:** L1951621-12**Client ID:** GW-3**Sample Location:** PORT CHESTER, NY**Date Collected:** 10/31/19 13:00**Date Received:** 10/31/19**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water

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	11/01/19 10:45	11/01/19 14:16	1,9010C/9012B	LH



Project Name:
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

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): 11-12 Batch: WG1303364-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	11/01/19 10:45	11/01/19 13:50	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1303465-1										
Cyanide, Total	ND		mg/kg	0.90	0.19	1	11/01/19 14:15	11/01/19 16:37	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 11-12 Batch: WG1303364-2 WG1303364-3								
Cyanide, Total	97		93		85-115	4		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1303465-2 WG1303465-3								
Cyanide, Total	70	Q	72	Q	80-120	3		35

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 10920

Lab Number: L1951621

Report Date: 11/08/19

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): 11-12 QC Batch ID: WG1303364-4 WG1303364-5 QC Sample: L1951171-01 Client ID: MS Sample												
Cyanide, Total	0.016	0.2	0.144	64	Q	0.165	74	Q	80-120	14		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1303465-4 WG1303465-5 QC Sample: L1951621-07 Client ID: S-18 (3.5-4)												
Cyanide, Total	ND	12	9.0	78		11	95		75-125	20		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08,10 QC Batch ID: WG1303345-1 QC Sample: L1951605-04 Client ID: DUP Sample						
Solids, Total	92.7	92.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG1303783-1 QC Sample: L1951992-01 Client ID: DUP Sample						
Solids, Total	94.2	94.6	%	0		20

Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19**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(*)
L1951621-01A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-01B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-01C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-01D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1951621-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CU-Ti(180),SE-Ti(180),PB-Ti(180),SB-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),MN-Ti(180),HG-T(28),FE-Ti(180),MG-Ti(180),CD-Ti(180),K-Ti(180),CA-Ti(180),NA-Ti(180)
L1951621-01F	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951621-01X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-01Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-01Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-02A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-02B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-02C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-02D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1951621-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),TL-Ti(180),NI-Ti(180),AL-Ti(180),CR-Ti(180),SE-Ti(180),PB-Ti(180),CU-Ti(180),ZN-Ti(180),SB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),CD-Ti(180),CA-Ti(180),NA-Ti(180),K-Ti(180)
L1951621-02F	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951621-02X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-02Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951621-02Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-03A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-03B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-03C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-03D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1951621-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),TL-Ti(180),NI-Ti(180),SE-Ti(180),PB-Ti(180),SB-Ti(180),CU-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),MN-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),K-Ti(180),CA-Ti(180),NA-Ti(180),CD-Ti(180)
L1951621-03F	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951621-03X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-03Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-03Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-04A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-04B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-04C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-04D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1951621-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),NI-Ti(180),CR-Ti(180),ZN-Ti(180),SE-Ti(180),CU-Ti(180),SB-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),MG-Ti(180),FE-Ti(180),HG-T(28),MN-Ti(180),NA-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180)
L1951621-04F	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951621-04X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-04Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-04Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-05A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-05B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-05C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-05D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951621-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),CR-Ti(180),AL-Ti(180),TL-Ti(180),NI-Ti(180),SB-Ti(180),SE-Ti(180),CU-Ti(180),ZN-Ti(180),PB-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),CD-Ti(180),K-Ti(180),CA-Ti(180),NA-Ti(180)
L1951621-05F	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951621-05X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-05Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-05Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-06A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-06B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-06C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-06D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1951621-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),NI-Ti(180),TL-Ti(180),AL-Ti(180),CR-Ti(180),SB-Ti(180),ZN-Ti(180),CU-Ti(180),PB-Ti(180),SE-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),NA-Ti(180),CD-Ti(180),CA-Ti(180),K-Ti(180)
L1951621-06F	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951621-06X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-06Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-06Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-07A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-07B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-07C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-07D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1951621-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),NI-Ti(180),CR-Ti(180),TL-Ti(180),SB-Ti(180),PB-Ti(180),SE-Ti(180),ZN-Ti(180),CU-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),MG-Ti(180),MN-Ti(180),HG-T(28),CD-Ti(180),NA-Ti(180),CA-Ti(180),K-Ti(180)
L1951621-07F	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951621-07X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-07Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-07Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-08A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-08B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-08C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-08D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1951621-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	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),SE-Ti(180),SB-Ti(180),PB-Ti(180),CU-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),FE-Ti(180),MN-Ti(180),MG-Ti(180),HG-T(28),K-Ti(180),NA-Ti(180),CA-Ti(180),CD-Ti(180)
L1951621-08F	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1951621-08X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-08Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-08Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-09A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-09B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-09C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-09E	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		TCN-9010(14),BE-Ti(180),NJEPH-TPH-CAT2(14),NYTCL-8270(14),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),TL-Ti(180),NI-Ti(180),CR-Ti(180),TS(7),ZN-Ti(180),SE-Ti(180),SB-Ti(180),CU-Ti(180),PB-Ti(180),V-Ti(180),NYTCL-8081(14),CO-Ti(180),FE-Ti(180),MN-Ti(180),HG-T(28),MG-Ti(180),NYTCL-8082(14),NA-Ti(180),CA-Ti(180),K-Ti(180),CD-Ti(180)
L1951621-09X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-09Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-09Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-10A	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-10B	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951621-10C	5 gram Encore Sampler	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-10D	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L1951621-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),CR-Ti(180),TL-Ti(180),AL-Ti(180),NI-Ti(180),PB-Ti(180),SE-Ti(180),CU-Ti(180),SB-Ti(180),ZN-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),FE-Ti(180),CD-Ti(180),NA-Ti(180),CA-Ti(180),K-Ti(180)
L1951621-10F	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1951621-10X	Vial MeOH preserved split	A	NA		2.3	Y	Absent		NYTCL-8260HLW(14)
L1951621-10Y	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-10Z	Vial Water preserved split	A	NA		2.3	Y	Absent	01-NOV-19 16:49	NYTCL-8260HLW(14)
L1951621-11A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L1951621-11B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L1951621-11C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L1951621-11D	Amber 120ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8082-LVI(7)
L1951621-11E	Amber 120ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8082-LVI(7)
L1951621-11F	Glass 120ml/4oz unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1951621-11G	Amber 120ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1951621-11H	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-LVI(7)
L1951621-11I	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1951621-11J	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L1951621-11K	Plastic 250ml HNO3 preserved	A	<2	<2	2.3	Y	Absent		FE-6020T(180),BA-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),NA-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)
L1951621-11L	Plastic 250ml unpreserved	A	7	7	2.3	Y	Absent		-

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1951621-11X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.3	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),CO-6020S(180),ZN-6020S(180),MG-6020S(180),BE-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),NA-6020S(180),PB-6020S(180),TL-6020S(180),BA-6020S(180),NI-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1951621-12A	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L1951621-12B	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L1951621-12C	Vial HCl preserved	A	NA		2.3	Y	Absent		NYTCL-8260(14)
L1951621-12D	Amber 120ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8082-LVI(7)
L1951621-12E	Amber 120ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8082-LVI(7)
L1951621-12F	Glass 120ml/4oz unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1951621-12G	Amber 120ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8081(7)
L1951621-12H	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-LVI(7)
L1951621-12I	Amber 250ml unpreserved	A	7	7	2.3	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1951621-12J	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-9010(14)
L1951621-12K	Plastic 250ml HNO3 preserved	A	<2	<2	2.3	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),AL-6020T(180),CO-6020T(180)
L1951621-12M	Plastic 250ml unpreserved	A	7	7	2.3	Y	Absent		-
L1951621-12X	Plastic 120ml HNO3 preserved Filtrates	A	NA		2.3	Y	Absent		SE-6020S(180),V-6020S(180),CU-6020S(180),K-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),NA-6020S(180),BA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),NI-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)

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GLOSSARY

Acronyms

DL	- 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
LCS D	- 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.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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

Report Format: DU Report with 'J' Qualifiers



Project Name: Not Specified**Lab Number:** L1951621**Project Number:** 10920**Report Date:** 11/08/19

- 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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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 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.
- 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).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- 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.

Report Format: DU Report with 'J' Qualifiers



Project Name: Not Specified
Project Number: 10920

Lab Number: L1951621
Report Date: 11/08/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 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.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 15

Published Date: 8/15/2019 9:53:42 AM

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; 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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-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, **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 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** 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 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, 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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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

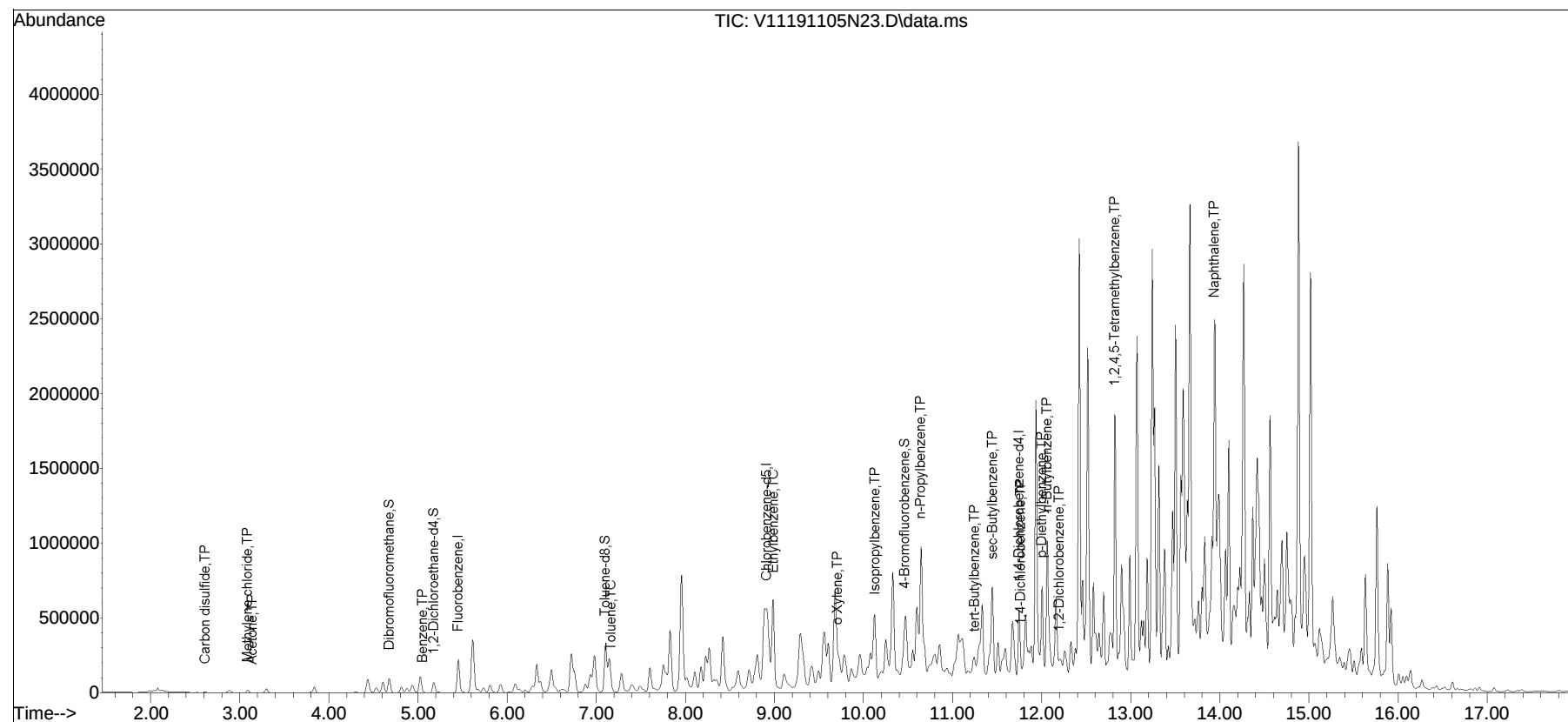
 NEW JERSEY CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 2 of 2		Date Rec'd in Lab 10/31/19		ALPHA Job # L1951621			
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3286		Project Information Project Name: Project Location: Port Chester, NY Project # 10920 (Use Project name as Project #) ☒				Deliverables ☐ NJ Full / Reduced ☐ EQuIS (1 File) ☐ EQuIS (4 File) ☒ Other email / excel		Billing Information ☒ Same as Client Info PO # 10920 Phase 1	
Client Information Client: Sesi Address: 12 Maple Ave Pine Brook, NJ Phone: 973 808 0050 Fax: Email: JAM@Sesi.org				Project Manager: Jesse Magsner ALPHAQuote #: Turn-Around Time Standard ☒ 1 week Due Date: Rush (only if pre approved) ☐ # of Days:				Regulatory Requirement ☐ SRS Residential/Non Residential ☐ SRS Impact to Groundwater ☐ NJ Ground Water Quality Standards ☐ NJ IGW SPLP Leachate Criteria ☒ Other NY unrestricted		Site Information Is this site impacted by Petroleum? Yes ☐ Petroleum Product:	
These samples have been previously analyzed by Alpha ☐				ANALYSIS				Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles	
For EPH, selection is REQUIRED: ☐ Category 1 ☐ Category 2		For VOC, selection is REQUIRED: ☐ 1,4-Dioxane ☐ 8011		Other project specific requirements/comments: Please specify Metals or TAL.				Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		TL+30 / xax	
51621-211 -11-11-12		11-14-19 Tw-2 Gw-3		10/31/19 1325 ↓ 1300		GW ↓		JCS ↓			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O 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 PA		Preservative MB C/E		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: 01-14 HC (rev. 30-Sept-2013)				Relinquished By:		Date/Time:		Received By:			Date/Time:
				10/31/19 1410		10/31/19 1410		10/31/19 1410		10/31/19 1410	
				10/31/19 1600		10/31/19 1600		10/31/19 1600		10/31/19 1600	
				10/31/19 2217		10/31/19 2217		10/31/19 2217		10/31/19 2217	

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2019\191105N\
Data File : V11191105N23.D
Acq On : 06 Nov 2019 03:40 am
Operator : VOA111:NLK
Sample : 11951621-08,31H,6.42,5,0.100,,x
Misc : WG1305252,ICAL16231
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 06 09:52:47 2019
Quant Method : I:\VOLATILES\VOA111\2019\191105N\V111_191012A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Oct 22 10:26:32 2019
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox91105N\V11191105N01.D•





ANALYTICAL REPORT

Lab Number:	L1952059
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	10920
Project Number:	10920
Report Date:	11/11/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 10920**Project Number:** 10920**Lab Number:** L1952059**Report Date:** 11/11/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1952059-01	SV-1	SOIL_VAPOR	PORTCHESTER, NY	11/01/19 11:05	11/04/19
L1952059-02	SV-3	SOIL_VAPOR	PORTCHESTER, NY	11/01/19 12:05	11/04/19
L1952059-03	SV-4	SOIL_VAPOR	PORTCHESTER, NY	11/01/19 12:14	11/04/19
L1952059-04	SV-2R	SOIL_VAPOR	PORTCHESTER, NY	11/01/19 15:12	11/04/19
L1952059-05	UNUSED CAN #405	SOIL_VAPOR	PORTCHESTER, NY		11/04/19

Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19

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. 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 Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data 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.

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 Alpha Project Manager 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 Project Management at 800-624-9220 with any questions.

Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**Case Narrative (continued)**

Volatile Organics in Air

Canisters were released from the laboratory on October 29, 2019. The canister certification results are provided as an addendum.

L1952059-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 11/11/19

AIR

Project Name: 10920**Project Number:** 10920**Lab Number:** L1952059**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-01 D
 Client ID: SV-1
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 11:05
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/09/19 02:10
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.400	0.400	--	1.98	1.98	--		2
Chloromethane	0.438	0.400	--	0.904	0.826	--		2
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	13.1	0.400	--	29.0	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethyl Alcohol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	114	2.00	--	271	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
iso-Propyl Alcohol	2.69	1.00	--	6.61	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
tert-Butyl Alcohol	10.2	1.00	--	30.9	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	2.05	0.400	--	6.38	1.25	--		2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	167	1.00	--	493	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2



Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-01 D
 Client ID: SV-1
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 11:05
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2
Chloroform	1.89	0.400	--	9.23	1.95	--		2
Tetrahydrofuran	153	1.00	--	451	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	7.64	0.400	--	26.9	1.41	--		2
1,1,1-Trichloroethane	0.754	0.400	--	4.11	2.18	--		2
Benzene	3.23	0.400	--	10.3	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	7.08	0.400	--	24.4	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
Xylene (Total)	2.34	0.400	--	10.2	1.74	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	ND	0.400	--	ND	1.87	--		2
Heptane	3.82	0.400	--	15.7	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	3.84	1.00	--	15.7	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	3.52	0.400	--	13.3	1.51	--		2
1,2-Dichloroethene (total)	ND	0.400	--	ND	1.59	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
1,3-Dichloropropene, Total	ND	0.400	--	ND	1.82	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2



Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-01 D
 Client ID: SV-1
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 11:05
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	2.46	0.400	--	16.7	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	0.458	0.400	--	1.99	1.74	--		2
p/m-Xylene	1.38	0.800	--	5.99	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	0.468	0.400	--	1.99	1.70	--		2
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	0.958	0.400	--	4.16	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	ND	0.400	--	ND	1.97	--		2
1,2,4-Trimethylbenzene	1.04	0.400	--	5.11	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	98		60-140



Project Name: 10920**Project Number:** 10920**Lab Number:** L1952059**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-02
 Client ID: SV-3
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 12:05
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/09/19 02:50
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.35	0.200	--	6.68	0.989	--		1
Chloromethane	0.882	0.200	--	1.82	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.250	0.200	--	0.639	0.511	--		1
1,3-Butadiene	9.85	0.200	--	21.8	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	31.6	5.00	--	59.5	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.8	1.00	--	44.7	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	0.593	0.500	--	1.46	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	63.6	0.200	--	198	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.53	0.500	--	4.51	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-02
 Client ID: SV-3
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 12:05
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.679	0.500	--	2.00	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.96	0.200	--	6.91	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.552	0.200	--	1.76	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.593	0.200	--	2.04	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.253	0.200	--	1.18	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.277	0.200	--	1.04	0.754	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1



Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-02

Client ID: SV-3

Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 12:05

Date Received: 11/04/19

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140



Project Name: 10920**Project Number:** 10920**Lab Number:** L1952059**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-03
 Client ID: SV-4
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 12:14
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/09/19 03:30
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.429	0.200	--	2.12	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	2.92	0.200	--	6.46	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	96.2	5.00	--	181	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	23.9	1.00	--	56.8	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
iso-Propyl Alcohol	1.01	0.500	--	2.48	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	1.52	0.500	--	4.61	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	13.3	0.200	--	41.4	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.67	0.500	--	4.93	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-03
 Client ID: SV-4
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 12:14
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.680	0.500	--	2.45	1.80	--		1
Chloroform	0.454	0.200	--	2.22	0.977	--		1
Tetrahydrofuran	1.96	0.500	--	5.78	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.27	0.200	--	8.00	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.813	0.200	--	2.60	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.317	0.200	--	1.09	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
Xylene (Total)	0.685	0.200	--	2.98	0.869	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.346	0.200	--	1.42	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.596	0.200	--	2.25	0.754	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1



Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-03
 Client ID: SV-4
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 12:14
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.451	0.400	--	1.96	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.234	0.200	--	1.02	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.466	0.200	--	2.29	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	94		60-140



Project Name: 10920**Project Number:** 10920**Lab Number:** L1952059**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-04
 Client ID: SV-2R
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 15:12
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/09/19 04:11
 Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.207	0.200	--	1.02	0.989	--		1
Chloromethane	2.12	0.200	--	4.38	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	0.232	0.200	--	0.593	0.511	--		1
1,3-Butadiene	61.0	0.200	--	135	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	0.322	0.200	--	0.850	0.528	--		1
Ethyl Alcohol	61.7	5.00	--	116	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	131	1.00	--	311	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	2.43	0.500	--	5.97	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	8.33	0.500	--	25.3	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	8.64	0.200	--	26.9	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	53.1	0.500	--	157	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-04
 Client ID: SV-2R
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 15:12
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	0.699	0.500	--	2.52	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	24.2	0.500	--	71.4	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	9.58	0.200	--	33.8	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	5.71	0.200	--	18.2	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	4.49	0.200	--	15.5	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	2.16	0.200	--	10.1	0.934	--		1
Heptane	1.23	0.200	--	5.04	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.478	0.200	--	1.80	0.754	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1



Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**SAMPLE RESULTS**

Lab ID: L1952059-04
 Client ID: SV-2R
 Sample Location: PORTCHESTER, NY

Date Collected: 11/01/19 15:12
 Date Received: 11/04/19
 Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	104		60-140
chlorobenzene-d5	96		60-140



Project Name: 10920

Lab Number: L1952059

Project Number: 10920

Report Date: 11/11/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/08/19 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1306488-4								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: 10920

Lab Number: L1952059

Project Number: 10920

Report Date: 11/11/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/08/19 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1306488-4								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Xylene (Total)	ND	0.200	--	ND	0.869	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	0.200	--	ND	0.793	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,3-Dichloropropene, Total	ND	0.200	--	ND	0.908	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1



Project Name: 10920

Lab Number: L1952059

Project Number: 10920

Report Date: 11/11/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/08/19 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1306488-4								
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1



Project Name: 10920

Lab Number: L1952059

Project Number: 10920

Report Date: 11/11/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/08/19 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1306488-4								
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1



Project Name: 10920

Lab Number: L1952059

Project Number: 10920

Report Date: 11/11/19

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/08/19 14:48

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG1306488-4								
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 10920

Project Number: 10920

Lab Number: L1952059

Report Date: 11/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1306488-3								
Chlorodifluoromethane	86		-		70-130	-		
Propylene	99		-		70-130	-		
Propane	89		-		70-130	-		
Dichlorodifluoromethane	84		-		70-130	-		
Chloromethane	91		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	89		-		70-130	-		
Methanol	83		-		70-130	-		
Vinyl chloride	92		-		70-130	-		
1,3-Butadiene	92		-		70-130	-		
Butane	85		-		70-130	-		
Bromomethane	90		-		70-130	-		
Chloroethane	92		-		70-130	-		
Ethyl Alcohol	87		-		40-160	-		
Dichlorofluoromethane	82		-		70-130	-		
Vinyl bromide	87		-		70-130	-		
Acrolein	79		-		70-130	-		
Acetone	75		-		40-160	-		
Acetonitrile	88		-		70-130	-		
Trichlorofluoromethane	77		-		70-130	-		
iso-Propyl Alcohol	77		-		40-160	-		
Acrylonitrile	82		-		70-130	-		
Pentane	74		-		70-130	-		
Ethyl ether	64	Q	-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 10920

Project Number: 10920

Lab Number: L1952059

Report Date: 11/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1306488-3								
1,1-Dichloroethene	87		-		70-130	-		
tert-Butyl Alcohol	78		-		70-130	-		
Methylene chloride	90		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	83		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	91		-		70-130	-		
trans-1,2-Dichloroethene	100		-		70-130	-		
1,1-Dichloroethane	103		-		70-130	-		
Methyl tert butyl ether	91		-		70-130	-		
Vinyl acetate	112		-		70-130	-		
2-Butanone	105		-		70-130	-		
cis-1,2-Dichloroethene	105		-		70-130	-		
Ethyl Acetate	121		-		70-130	-		
Chloroform	96		-		70-130	-		
Tetrahydrofuran	108		-		70-130	-		
2,2-Dichloropropane	79		-		70-130	-		
1,2-Dichloroethane	87		-		70-130	-		
n-Hexane	98		-		70-130	-		
Isopropyl Ether	90		-		70-130	-		
Ethyl-Tert-Butyl-Ether	83		-		70-130	-		
1,2-Dichloroethene (total)	103		-			-		
1,2-Dichloroethene (total)	103		-			-		
1,1,1-Trichloroethane	77		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 10920

Project Number: 10920

Lab Number: L1952059

Report Date: 11/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1306488-3								
1,1-Dichloropropene	90		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	88		-		70-130	-		
Cyclohexane	99		-		70-130	-		
Tertiary-Amyl Methyl Ether	86		-		70-130	-		
Dibromomethane	92		-		70-130	-		
1,2-Dichloropropane	104		-		70-130	-		
Bromodichloromethane	92		-		70-130	-		
1,4-Dioxane	108		-		70-130	-		
Trichloroethene	101		-		70-130	-		
2,2,4-Trimethylpentane	101		-		70-130	-		
Methyl Methacrylate	78		-		40-160	-		
Heptane	102		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	106		-		70-130	-		
trans-1,3-Dichloropropene	84		-		70-130	-		
1,1,2-Trichloroethane	106		-		70-130	-		
Toluene	109		-		70-130	-		
1,3-Dichloropropane	101		-		70-130	-		
2-Hexanone	129		-		70-130	-		
Dibromochloromethane	118		-		70-130	-		
1,2-Dibromoethane	115		-		70-130	-		
Butyl Acetate	124		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 10920

Project Number: 10920

Lab Number: L1952059

Report Date: 11/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1306488-3								
Octane	102		-		70-130	-		
Tetrachloroethene	112		-		70-130	-		
1,1,1,2-Tetrachloroethane	109		-		70-130	-		
Chlorobenzene	118		-		70-130	-		
Ethylbenzene	115		-		70-130	-		
p/m-Xylene	112		-		70-130	-		
Bromoform	125		-		70-130	-		
Styrene	120		-		70-130	-		
1,1,2,2-Tetrachloroethane	117		-		70-130	-		
o-Xylene	114		-		70-130	-		
1,2,3-Trichloropropane	105		-		70-130	-		
Nonane (C9)	108		-		70-130	-		
Isopropylbenzene	112		-		70-130	-		
Bromobenzene	108		-		70-130	-		
o-Chlorotoluene	107		-		70-130	-		
n-Propylbenzene	109		-		70-130	-		
p-Chlorotoluene	111		-		70-130	-		
4-Ethyltoluene	114		-		70-130	-		
1,3,5-Trimethylbenzene	98		-		70-130	-		
tert-Butylbenzene	107		-		70-130	-		
1,2,4-Trimethylbenzene	118		-		70-130	-		
Decane (C10)	111		-		70-130	-		
Benzyl chloride	126		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 10920

Project Number: 10920

Lab Number: L1952059

Report Date: 11/11/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG1306488-3								
1,3-Dichlorobenzene	119		-		70-130	-		
1,4-Dichlorobenzene	116		-		70-130	-		
sec-Butylbenzene	112		-		70-130	-		
p-Isopropyltoluene	101		-		70-130	-		
1,2-Dichlorobenzene	117		-		70-130	-		
n-Butylbenzene	117		-		70-130	-		
1,2-Dibromo-3-chloropropane	106		-		70-130	-		
Undecane	116		-		70-130	-		
Dodecane (C12)	124		-		70-130	-		
1,2,4-Trichlorobenzene	129		-		70-130	-		
Naphthalene	112		-		70-130	-		
1,2,3-Trichlorobenzene	118		-		70-130	-		
Hexachlorobutadiene	116		-		70-130	-		

Project Name: 10920

Project Number: 10920

Serial_No:11111913:36
Lab Number: L1952059

Report Date: 11/11/19

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1952059-01	SV-1	01086	SV20	10/29/19	305998		-	-	-	Pass	18.0	17.3	4
L1952059-01	SV-1	420	2.7L Can	10/29/19	305998	L1949720-05	Pass	-29.6	-4.8	-	-	-	-
L1952059-02	SV-3	01240	SV20	10/29/19	305998		-	-	-	Pass	19.2	16.3	16
L1952059-02	SV-3	134	2.7L Can	10/29/19	305998	L1949720-05	Pass	-29.5	-6.1	-	-	-	-
L1952059-03	SV-4	01343	SV20	10/29/19	305998		-	-	-	Pass	17.0	14.5	16
L1952059-03	SV-4	192	2.7L Can	10/29/19	305998	L1949720-05	Pass	-29.5	-7.5	-	-	-	-
L1952059-04	SV-2R	01351	SV20	10/29/19	305998		-	-	-	Pass	17.1	14.7	15
L1952059-04	SV-2R	157	2.7L Can	10/29/19	305998	L1949720-05	Pass	-29.5	-6.8	-	-	-	-
L1952059-05	UNUSED CAN #405	01345	SV20	10/29/19	305998		-	-	-	Pass	17.2	0.0	200
L1952059-05	UNUSED CAN #405	405	2.7L Can	10/29/19	305998	L1949720-05	Pass	-29.5	-27.2	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1949720
Report Date: 11/11/19

Air Canister Certification Results

Lab ID: L1949720-05
Client ID: CAN 521 SHELF 2
Sample Location:

Date Collected: 10/22/19 16:00
Date Received: 10/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/23/19 22:05
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1949720
Report Date: 11/11/19

Air Canister Certification Results

Lab ID: L1949720-05
Client ID: CAN 521 SHELF 2
Sample Location:

Date Collected: 10/22/19 16:00
Date Received: 10/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1949720
Report Date: 11/11/19

Air Canister Certification Results

Lab ID: L1949720-05
Client ID: CAN 521 SHELF 2
Sample Location:

Date Collected: 10/22/19 16:00
Date Received: 10/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1949720
Report Date: 11/11/19

Air Canister Certification Results

Lab ID: L1949720-05
Client ID: CAN 521 SHELF 2
Sample Location:

Date Collected: 10/22/19 16:00
Date Received: 10/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1949720**Project Number:** CANISTER QC BAT**Report Date:** 11/11/19**Air Canister Certification Results**

Lab ID: L1949720-05

Date Collected: 10/22/19 16:00

Client ID: CAN 521 SHELF 2

Date Received: 10/23/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	109		60-140
chlorobenzene-d5	106		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1949720
Report Date: 11/11/19

Air Canister Certification Results

Lab ID: L1949720-05
Client ID: CAN 521 SHELF 2
Sample Location:

Date Collected: 10/22/19 16:00
Date Received: 10/23/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/23/19 22:05
Analyst: TS

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1949720
Report Date: 11/11/19

Air Canister Certification Results

Lab ID: L1949720-05
Client ID: CAN 521 SHELF 2
Sample Location:

Date Collected: 10/22/19 16:00
Date Received: 10/23/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1949720**Project Number:** CANISTER QC BAT**Report Date:** 11/11/19**Air Canister Certification Results**

Lab ID: L1949720-05

Date Collected: 10/22/19 16:00

Client ID: CAN 521 SHELF 2

Date Received: 10/23/19

Sample Location:

Field Prep: Not Specified

Sample Depth:

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	105		60-140
bromochloromethane	110		60-140
chlorobenzene-d5	108		60-140



Project Name: 10920**Lab Number:** L1952059**Project Number:** 10920**Report Date:** 11/11/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

NA Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1952059-01A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L1952059-02A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L1952059-03A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L1952059-04A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30)
L1952059-05A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()

Project Name: 10920

Lab Number: L1952059

Project Number: 10920

Report Date: 11/11/19

GLOSSARY

Acronyms

DL	- 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 limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
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.
LCS D	- 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.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
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. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
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.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
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

Report Format: Data Usability Report



Project Name: 10920

Lab Number: L1952059

Project Number: 10920

Report Date: 11/11/19

- 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.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

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.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

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 Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- 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 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.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- 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.

Report Format: Data Usability Report



Project Name: 10920
Project Number: 10920

Lab Number: L1952059
Report Date: 11/11/19

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 15

Department: **Quality Assurance**

Published Date: 8/15/2019 9:53:42 AM

Title: **Certificate/Approval Program Summary**

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Certification Information

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

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; 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, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-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, **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 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** 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 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, 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, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

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



AIR ANALYSIS

CHAIN OF CUSTODY

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

Client Information

Client: Sesi
Address: 12u Maple Ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments: Exhaust fan, do not run SV-2

Project-Specific Target Compound List: ☐

PAGE 1 OF 1

Project Information

Project Name: 10920
Project Location: Port Chester, NY
Project #: 10920
Project Manager: Jesse Mausner
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 1 week Time: -

Date Rec'd in Lab: 11/5/19

Report Information - Data Deliverables

☐ FAX
☐ ADEx

Criteria Checker:
(Default based on Regulatory Criteria Indicated)

Other Formats:

☒ EMAIL (standard pdf report)

☐ Additional Deliverables:

Report to: (if different than Project Manager)

ALPHA Job #: L1952059

Billing Information

☒ Same as Client info PO #: 10920
Phase 1

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
<u>NY</u>	<u>unrestricted</u>	

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION						Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Subs	Fixed Gas	Sulfides & Mercaptans	Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum													
20059-01	SV-1	11/1/19	905	1105	-30.21	-5.65	SV	JCS	2.7L	420	01086	X							
	~~SV-2~~	~~↓~~	~~928~~	~~1128~~	~~-30.37~~		~~↓~~	~~↓~~	~~2.7L~~	~~405~~	~~01345~~								
-02	SV-3	↓	1005	1205	-30.27	-7.20	↓	↓	2.7L	134	01240	X							
-03	SV-4	↓	1014	1214	-30.26	-8.26	↓	↓	2.7L	192	01343								
-04	SV-2R	↓	1312	1512	-30.10	-7.06	↓	↓	2.7L	157	01351	↓							

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:

Date/Time

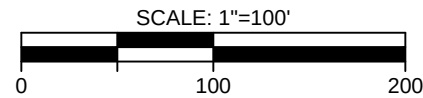
Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

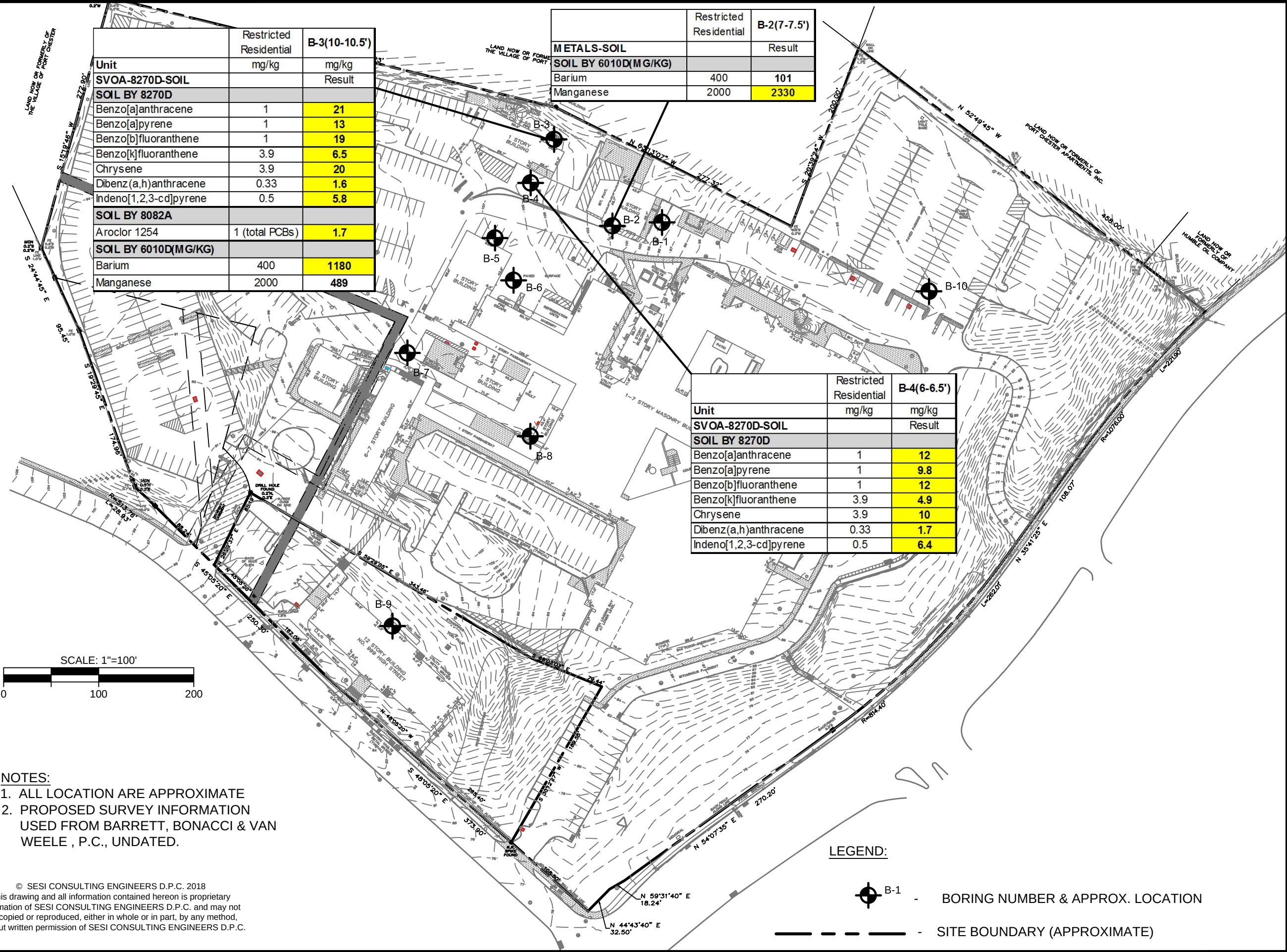
APPENDIX D
Previous Phase II ESA Sample Plans and Results

N:\ACAD\10446\10446 FIG-3.1 FIG-3.2 AND FIG 3.3.DWG 12/19/18 01:43:58PM, Jenny, LAYOUT:FIG-3.1



- NOTES:
1. ALL LOCATION ARE APPROXIMATE
 2. PROPOSED SURVEY INFORMATION USED FROM BARRETT, BONACCI & VAN WEELE , P.C., UNDATED.

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LEGEND:

- B-1 - BORING NUMBER & APPROX. LOCATION
- SITE BOUNDARY (APPROXIMATE)

project: UNITED HOSPITAL MEDICAL CENTER
406 BOSTON POST ROAD
PORT CHESTER, NEW YORK

job no: 10446
drawing no:

FIG-3.1

SESI

CONSULTING ENGINEERS D.P.C.

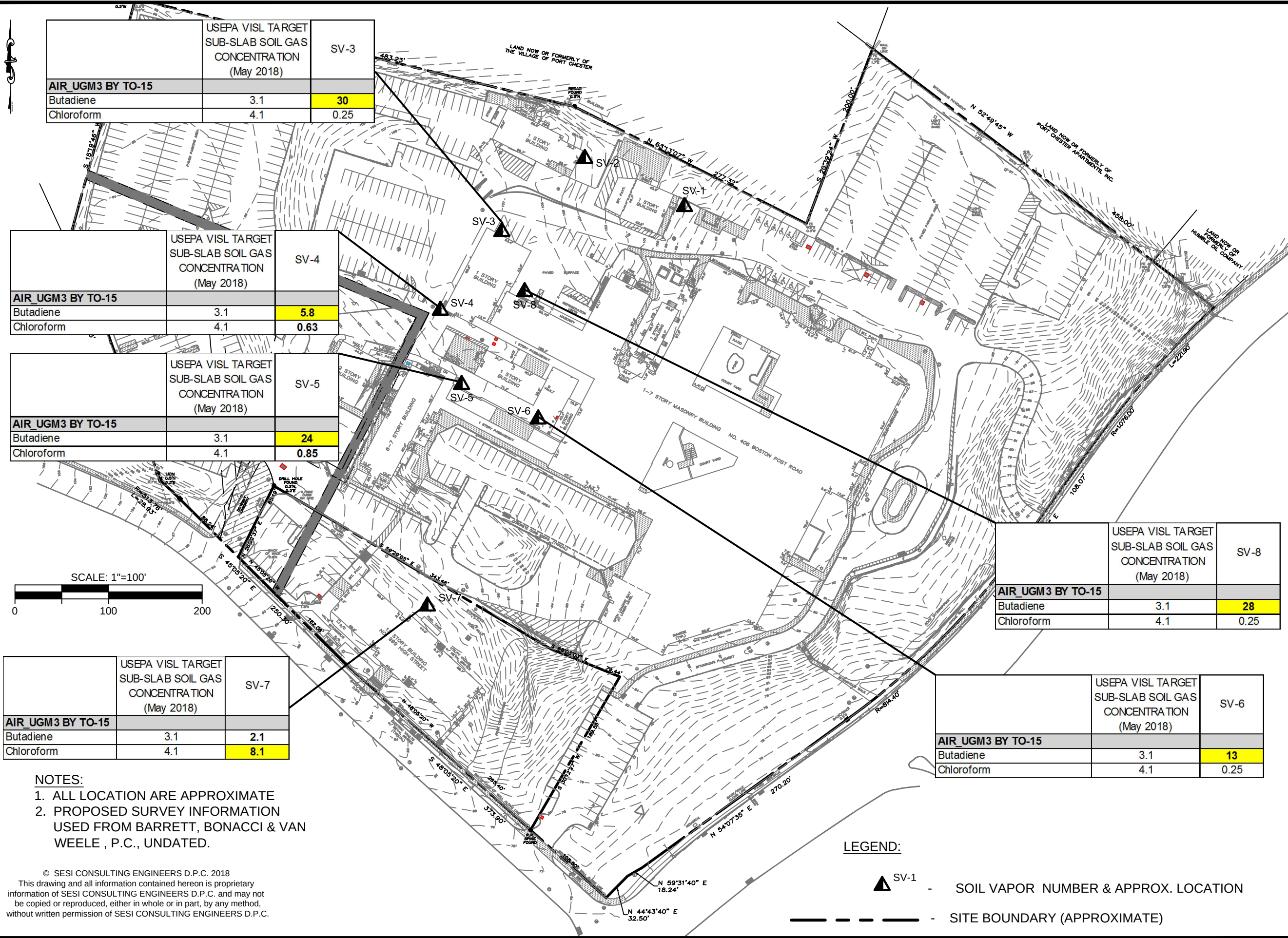
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: yy
chk by: SG
scale: 1" = 100'
date: 12/17/18

SOIL SAMPLING RESULTS PLAN

N:\ACAD\10446\10446 FIG-3.1 FIG-3.2 AND FIG 3.3.DWG 12/19/18 01:45:15PM, jenny, LAYOUT:FIG-3.2



dwg by: yy
chk by: SG
scale: 1" = 100'
date: 12/17/18

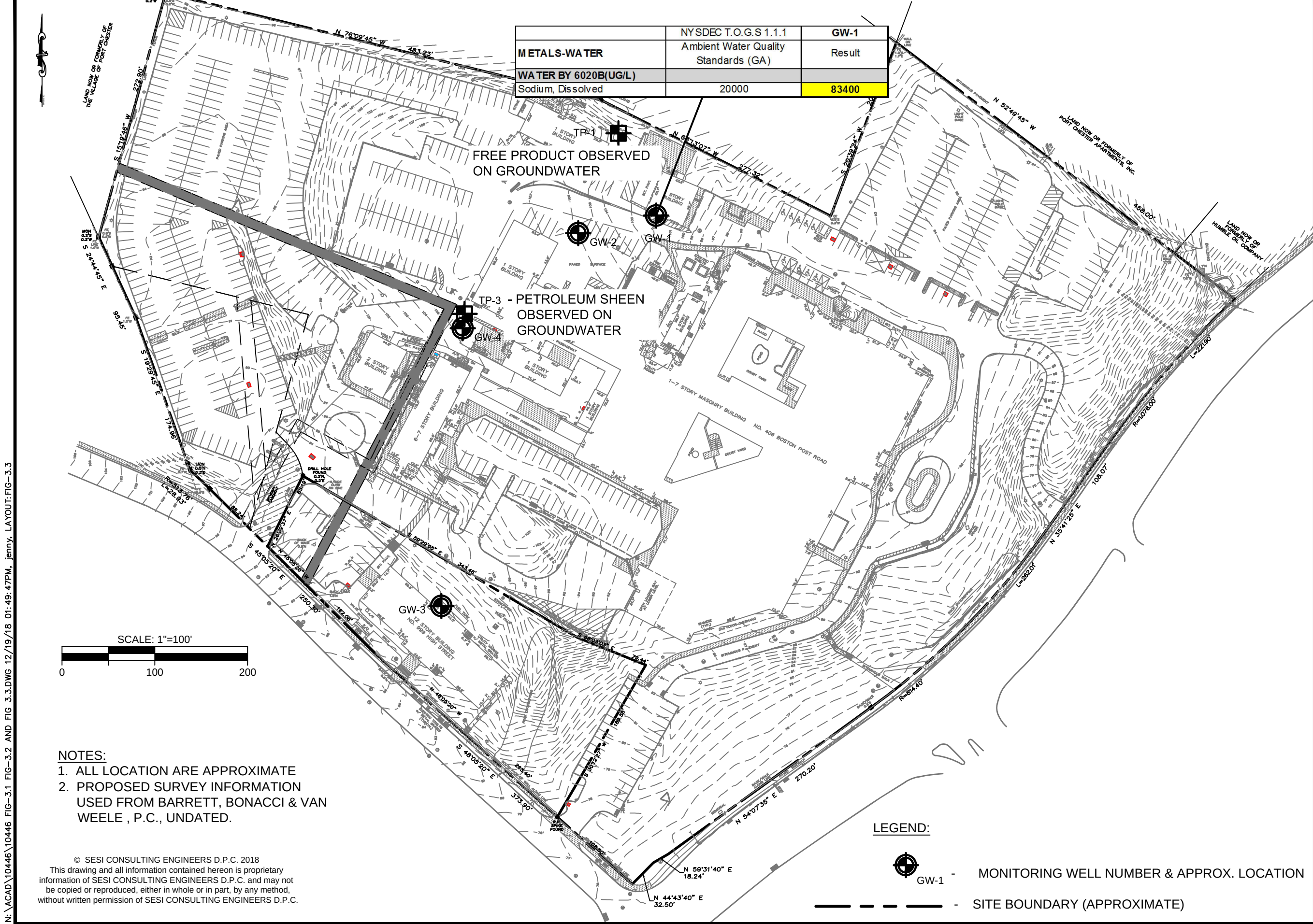
SESI
CONSULTING
ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: UNITED HOSPITAL MEDICAL CENTER
406 BOSTON POST ROAD
PORT CHESTER, NEW YORK

drawing title: SOIL VAPOR SAMPLING
RESULTS PLAN

job no: 10446
drawing no:

FIG-3.2



project:

UNITED HOSPITAL MEDICAL CENTER
406 BOSTON POST ROAD
PORT CHESTER, NEW YORK

drawing title:

GROUNDWATER SAMPLING
RESULTS PLAN

job no: 10446
drawing no:

FIG-3.3

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

SESICONSULTING ENGINEERS D.P.C.
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: YY
chk by: SG
scale: 1" = 100'
date: 12/17/18