APPENDIX A:

PREVIOUS ENVIRONMENTAL REPORTS

(ELECTRONIC)

SESI
CONSULTING
ENGINEERS

Phase II Environmental Site Assessment Report

FOR

Proposed Redevelopment
500 Main Street
New Rochelle, Westchester County, New York

Prepared For:

BRP Companies
767 3rd Avenue, 33rd Floor
New York, New York 10017

Prepared By:

SESI CONSULTING ENGINEERS, DPC
12A Maple Avenue
Pine Brook, NJ 07058

DATE:

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Fuad Dahan, P.E.

NY Lic. No. 10394

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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, BRP Companies (BRP), for a 0.79-acre property located at 500, 506, and 510 Main Street and 12 Church Street in New Rochelle, Westchester County, New York (the "Site"). The Site is bound to the northwest by Main Street and to the southwest by Church Street and is surrounded by commercial properties to the northeast and southeast. **Figure 1** presents a Site Location Map.

SESI reviewed Sanborn maps of the Site to determine potential areas of concern. The earliest Sanborn map available showed the Site as developed with a meat market and sausage shop, and a "Chinese Laundry" (dry cleaner) from 1887 until 1896. The Site is then identified as the Huguenot Lodge, Jewelry, and later the Fire Department Headquarters in 1903. A gas engine is identified on Site from 1887 to 1911, with a 100-gallon gasoline underground storage tank (UST) being identified on Site in 1911. The Site is then depicted as retail stores, an American Legion Post, Fire Department Headquarters, and auto storage in 1942. Fur storage is depicted on Site in 1951. A large building appears at 500 Main Street with smaller structures in the surrounding area, showing similar footprints to the present-day structures, in the 1990 Sanborn map. Based on a review of the City of New Rochelle building department records, the building at 500 Main Street was converted to a skating rink in 1979 and then to retail space in 1987.

This Phase II Site investigation report complies with the 2015 American Society for Testing and Materials standard (ASTM E1903). **Figure 2** presents a soil boring location plan.

SESI collected soil, sub-slab soil vapor, indoor air, and groundwater samples to further investigate the identified Recognized Environmental Concerns (RECs) at the Site.

1.1 Recognized Environmental Concerns

Seven (7) Areas of Concern (AOCs) were identified during our review of historic site documentation and project planning, as detailed below. **Figure 5** presents the locations of the AOCs.

- **AOC 1 – Former Dry Cleaners:** A Chinese laundry facility, or dry cleaners, was identified on Site from 1887 to 1896. The dry cleaner was located at what is now known as 506 Main Street.

- **AOC 2 – Fur Storage:** A fur storage facility was located on Site in 1951 in the southern portion of 506 Main Street.
- **AOC 3 – Underground Storage Tank:** A 100-gallon underground storage tank (UST) containing gasoline was identified on Site in 1911.
- **AOC 4 – Gas Engine:** A gas engine was identified on Site from 1887 to 1911. The gas engine was located in the southern portion of 500 Main Street.
- **AOC 5 – Underground Ground Tank:** A tank was identified on Site during the geophysical survey conducted prior to sampling. The tank was located beneath the asphalt driveway associated with 12 Church Street. A previous Phase II report indicated that the tank is a 5,000-gallon No. 2 Fuel Oil UST.
- **AOC 6 – Former Carriage Factory:** A former carriage factory located at 490-494 Main Street, less than 100 feet east of the Site, was identified as a REC in a previous Phase II report.
- **AOC 7 – Former Firehouse**: A former fire house located at 12 Church Street

1.2 Site Settings

The Site consists of a 0.79-acre property located at 500, 506, and 510 Main Street and 12 Church Street, New Rochelle, Westchester County, New York. The Site is located in a commercial area with similar commercial properties to the north, east, south, and west of the Site. The site is bound to the northwest by Main Street. The closest surface water body is Echo Bay, with its closest associated tributary located approximately 2,400 feet southeast of the Site. The Site topography is generally flat and slopes gently downward from the northwest to the southeast.

1.3 Proposed Site Development

The planned new construction for the Site will be a multi-story residential apartment building. Redevelopment plans were not available at the time this report was prepared.

2.0 SUBSURFACE INVESTIGATION

The field work was conducted under the site-specific Health and Safety Plan (HASP) between July 15th and July 19th, 2019. Supplemental field sampling was conducted on September 11th and 12th, 2019, and on December 18th, 2019.

2.1 Utility Clearance and Geophysical Survey

Prior to conducting any subsurface drilling, SESI's drilling contractor contacted New York's utility mark-out system. In addition, SESI retained the services of American Geophysics, a private utility locator, to locate underground utilities not included in the one-call and to conduct a geophysical survey to investigate the potential for historical USTs. American Geophysics performed the survey on July 15th, 2019 and located numerous underground utilities through-out the Site including one (1) anomaly consistent with an UST. Further investigation of the suspected UST identified an UST fill port. American Geophysics' report is provided in **Appendix A**.

2.2 Borings

Twenty-seven (27) soil borings, and five (5) sub-slab soil vapor points were advanced using a direct push Geoprobe® rig. The boring and soil vapor point locations are shown in **Figure 2** and **Figure 3**, respectively. Soil boring logs are presented in **Appendix B**. A total of twenty-three (23) soil samples and five (5) soil vapor samples were collected and analyzed for various parameters at Test America, Inc, which is a NYSDEC ELAP-certified laboratory. An additional four (4) soil samples, four (4) indoor air samples, and one (1) ambient air sample were sent to Alpha Analytical Laboratories (Alpha), also a NYSDEC ELAP-certified laboratory, for analysis of various parameters. The soil samples were collected from varying depths based on field screening, which included screening with a Photo Ionization Detector (PID), visual and olfactory observations. All soil samples were named based on their respective soil boring number and specified depth.

2.3 Groundwater Investigation

Two (2) existing monitoring wells were located on Site and a temporary well was installed in the basement of 500 Main Street. Two (2) temporary wells were also installed in the basement of 506 and one additional temporary well in the basement of 510 Main Street. Two additional temporary wells were installed in the basement of 12 Church Street. The monitoring well locations are provided in **Figure 4**. Groundwater samples were obtained from the two existing monitoring wells and temporary wells TW-1, TW-3, TW-4, and TW-5 using a bailer. Groundwater samples were obtained from the two temporary wells in the 12 Church Street basement via peristaltic pump and PFAS-free tubing.

3.0 ANALYTICAL RESULTS

3.1 Soil Investigation Results

In total, twenty-seven (27) soil samples were collected. The soil sample locations were distributed based on the RECs identified in investigation of historic documents and planning phases. The soil sample depths were selected based on the field screening and visual observations. The soil samples were sent to Test America with a chain-of-custody (COC) and analyzed for TCL/TAL+30. The laboratory analytical reports are included in **Appendix C**. Soil boring locations and a summary of the results are shown on **Figure 2**. Summary tables of the analytical results compared to New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives (USCO) and Restricted Residential Soil Clean-up Objectives (RRSCOs) are presented in Tables 1.1 through 1.4.

Soil boring S-1 was advanced outside in the asphalt next to 12 Church Street to address AOC 5. Soil borings S-2 and S-3 were advanced in the basement of the former Firehouse Headquarters. Soil borings S-21 and S-22 were in the basement of 506 Main Street to address AOCs 1 and 2, and soil boring S-23 was in the basement of 510 Main Street. Borings S-1 and S-4 through S-20 targeted 500 Main Street, the location of AOCs 3 and 4. S-26 and S-27 were advanced in the rear exterior of 510 Main Street, and S-28 and S-29 were advanced in the loading area of 500 Main Street, located by Church Street.

No volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, or polychlorinated biphenyls (PCBs) were identified in any sample collected exceeding the NYSDEC USCOs or RRSCOs. Metals were identified at concentrations exceeding their respective USCOs in 12 samples including lead (4 samples), nickel (7 samples), copper (2 samples), mercury (2 samples), and zinc (1 sample), and in three samples exceeding their respective RRSCOs including manganese (1 sample) and mercury (2 samples). Samples exceeding SCOs are shown in the table below. Summary tables with all soil sample results are attached to this report.

Table 3.1 - Soil Sample Exceedances (mg/kg)

LOCATION	NY-RRSCO	NY-USCO	SB-2 (1.5-2)	SB-4 (4-4.5)	SB-6 (5-5.5)	SB-7 (2.5-3)	SB-8 (7.5-8)	SB-9 (2.5-3)
SAMPLING DATE			7/16/2019	7/17/2019	7/17/2019	7/17/2019	7/17/2019	7/18/2019
ANALYTE			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	100	0.05	U	U	U	U	U	0.0082
Lead, Total	400	63	3.4	8.5	12.0	28.7	5.9	10.4
Manganese, Total	2000	1600	493	3230	405	579	628	765
Mercury, Total	0.81	0.18	U	U	U	0.022	U	0.017
2-Methylnaphthalene	0.41		10	U	U	0.012	U	U
Nickel, Total	310	30	16.4	70.2	35.1	30.5	32.3	39
Zinc, Total	10000	109	16.2	73.4	79.6	96.0	50.7	56.1
Copper, Total	270	50	12.5	22.0	26.2	38.7	18.4	26.2

LOCATION	NY-RRSCO	NY-USCO	SB-10 (5.5-6)	SB-18 (3.5-4)	SB-21 (1.5-2)	SB-22 (1.5-2)	SB-23 (1-1.5)	SB-27 (5-5.5)
SAMPLING DATE			7/18/2019	7/18/2019	7/19/2019	7/19/2019	7/19/2019	9/11/2019
ANALYTE			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	100	0.05	0.011	0.031	0.011	0.018	0.0069	0.16
Lead, Total	400	63	11.6	105	28.2	36.9	106	231
Manganese, Total	2000	1600	818	224	135	398	414	110
Mercury, Total	0.81	0.18	0.014	0.24	0.041	0.19	0.022	2.11
2-Methylnaphthalene	0.41		U	0.029	U	U	U	U
Nickel, Total	310	30	36.7	30.4	11.3	16.0	19.5	14.0
Zinc, Total	10000	109	59.9	417	26.0	41.0	30.7	95.7
Copper, Total	270	50	32.0	25.0	151	56.4	20.8	38.2

LOCATION	NY-RRSCO	NY-USCO	SB-28 (5-5.5)	SB-29 (7-7.5)	SB-26 (7.5-8)	SB-26 (1.5-2)	SB-29 (2-2.5)
SAMPLING DATE			9/11/2019	9/11/2019	9/11/2019	9/12/2019	9/12/2019
ANALYTE			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	100	0.05	0.18	0.42	0.21	0.11	0.18
Lead, Total	400	63	4.57	4.48	3.81	237	12.6
Manganese, Total	2000	1600	528	375	421	390	451
Mercury, Total	0.81	0.18	0.078	0.072	0.074	1.5	0.069
2-Methylnaphthalene	0.41		U	U	U	U	U
Nickel, Total	310	30	16.6	11.5	12.3	11.9	13.0
Zinc, Total	10000	109	26.5	29.8	19.9	89.3	72.5
Copper, Total	270	50	19.9	12.5	9.69	39.6	13.9

NY-RRSCO: New York NYCRR Part 375 Restricted-Residential Criteria
NY-USCO: New York NYCRR Part 375 New York Unrestricted Use Criteria
Exceeds-RRSCO:
Exceeds-USCO:
U: Not detected at the Reported Detection Limit

3.2 Soil Vapor Results

Four (4) sub-slab soil vapor samples were collected during the investigation. The samples were sent to Test America, an ELAP-Certified laboratory, on a chain of custody (COC) for TO-15 analysis. All the sub-slab soil vapor samples were collected approximately eight feet below grade surface. The laboratory analytical reports are included in Appendix C. Soil vapor sample locations are shown on Figure 3. The attached Table 11 presents all soil vapor results compared to their United States Environmental Protection Agency (USEPA) Vapor Intrusion Screening Level (VISL)

Target Sub-Slab Soil Gas Concentration dated May 2018 and the New York State Department of Health (NYSDOH) Sub-Slab Vapor Concentration Standards.

1,3-butadiene was identified at concentrations exceeding the USEPA-VISL in samples SV-1, SV-2, and SV-3.

3.3 Indoor Air Results

Four (4) indoor air samples and one ambient (outdoor) air sample were collected during the investigation. The samples were sent to Alpha on a chain of custody (COC) for TO-15 analysis. The laboratory analytical reports are included in Appendix C. Indoor and ambient air sample locations and a summary of the results are shown on Figure 3. Trichloroethene and cis-1,2-Dichloroethene were detected at concentrations exceeding NYSDOH Matrix A Indoor Air Concentrations Criteria (May 2017) in sample IA-3, located in the basement of 506 Main Street. Carbon tetrachloride was detected in all four samples exceeding the NYSDOH Matrix A criteria but was also detected in the ambient (outdoor) air sample in excess of NYSDOH criteria, indicating that the source of this constituent is not likely to be site-related. The results exceeding NYSDOH Criteria are presented in the table below. The attached Table 10 presents all air sample results compared to their USEPA Indoor Air Screening Level (IASL) Target Indoor Air Concentration (May 2018) and the NYSDOH Indoor Air Concentration Criteria (May 2017).

Table 3.2 - Indoor Air Sample Exceedances (ug/m^3)

LOCATION	**NY-IAC-A**	**NY-IAC-B**	**IA-1**	**IA-2**	**AA-1**	**IA-3**	**IA-4**
SAMPLING DATE			**9/11/2019**	**9/11/2019**	**9/11/2019**	**9/11/2019**	**9/11/2019**
ANALYTE							
Methylene chloride		3	3.16	U	U	U	U
cis-1,2-Dichloroethene	0.2		U	U	U	0.385	U
Carbon tetrachloride	0.2		0.56	0.484	0.396	0.421	0.465
Trichloroethene	0.2		U	U	U	1.2	U
U - Not detected at the reported detection limit for the sample.							
Exceeds NY-IAC-A: New York DOH Matrix A Indoor Air Concentrations Criteria							
Exceeds NY-IAC-B: New York DOH Matrix B Indoor Air Concentrations Criteria							

3.4 Groundwater Investigation Results

Eight (8) groundwater samples were collected during the investigation. The samples were sent to Test America (TW-1, MW-1, MW-2) and Alpha (TW-3, TW-4, TW-5, Church-TW-1, and Church-TW-2) on chain of custody forms (COCs). Samples TW-1, MW-1, MW-2, TW-3, TW-4, and TW-5 were analyzed for TCL/TAL+30, and samples Church-TW-1 and Church-TW-2 were analyzed for 21 per- and polyfluoroalkyl substances (PFASs) by EPA Method 537 Modified. The laboratory analytical reports are included in Appendix C. A groundwater sample location plan and summary of the results is shown in **Figure 4**. VOCs including trichloroethene and tetrachloroethene were identified at concentrations exceeding the NYSDEC Technical and Administrative Guidance Series 1.1.1 Ambient Groundwater Quality Criteria (TOGS AGWS) in the sample collected from temporary well TW-1. SVOCs including benzo(a)pyrene, benzo(b)fluoranthene, and benzo(k)fluoranthene were identified in TW-4 exceeding TOGS AWQS, and phenol was identified in TW-3 exceeding TOGS AWQS. Numerous metals were identified in the temporary wells exceeding TOGS AWQS, which is attributed to high sample turbidity and unfiltered nature of the samples collected from temporary wells, and not to any known onsite source. Several PFASs were detected in the two temporary wells installed in the 12 Church Street basement, yielding PFASs totals of 0.093 ug/L in Church-TW-1 and 0.121 ug/L in Church-TW-2. No groundwater standards have been promulgated for PFASs at this time. An exceedance table is presented below, and summary tables of all analytical results compared to TOGS AWQS are attached to this report.

Table 3.3 - Groundwater Sample Exceedances (ug/L)

LOCATION	NY-AWQS	TW-1	TW-3	TW-4	TW-5	MW-1	MW-2
SAMPLING DATE		7/17/2019	9/11/2019	9/12/2019	9/12/2019	7/18/2019	7/16/2019
ANALYTE							
Arsenic, Total	25	27.5	6	2	3	32.7	2.8
Cadmium, Total	5	7.1	4	2	2	4.3	U
Phenol	1	U	2.7	U	U	U * H	0.94
Benzo(a)pyrene	0	U *	U	0.02	U	U H	U *
Benzo(b)fluoranthene	0.002	U *	U	0.04	U	U H	U *
Benzo(k)fluoranthene	0.002	U	U	0.02	U	U H	U
Barium, Total	1000	8530	1460	615	541	3750	482
Beryllium, Total	3	26.2	3	U	1	14.7	0.62
Chromium, Total	50	1830	283	109	126	1540	58.1
Copper, Total	200	1410	270	118	105	867	62.9
Iron, Total	300	1380000	112000	57700	64600	701000	35900
Lead, Total	25	526	152	83	49	976	11.0
Magnesium, Total	35000	276000	36000	27300	27200	180000	28200
Manganese, Total	300	72200	9800	4030	4320	21900	1470
Mercury, Total	0.7	0.49	U	0.26	U	0.76	U
Nickel, Total	100	2340	248	96	99	1300	64.3
Sodium, Total	20000	124000	309000	877000	535000	28900	816000
Thallium, Total	0.5	18.4	3	U	U	9.3	0.43
Tetrachloroethene	5	9.3	U	U	U	U	U
Trichloroethene	5	9.3	U	U	U	U	U

NY-AWQS: New York TOGS 111 Ambient Water Quality Standards

Exceeds NY AWQS:

H : Sample was prepped or analyzed beyond the specified holding time

* : LCS or LCSD is outside acceptance limits.

J - Presumptive evidence of compound.

U - Not detected at the reported detection limit for the sample.

4.0 CONCLUSIONS AND RECOMMENDATIONS

No volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, or polychlorinated biphenyls (PCBs) were identified in any soil sample collected exceeding the NYSDEC USCOs or RRSCOs. Metals were identified at concentrations exceeding their respective USCOs in 12 of 27 soil samples, and exceeding their RRSCOs in three samples. The source of the noted exceedances is attributed to the likely use of historic fill in the region.

Soil vapor sample results indicated that 1,3-butadiene was identified at concentrations exceeding the USEPA-VISL in samples SV-1, SV-2, and SV-3.

Indoor air sampling results indicated that trichloroethene and cis-1,2-Dichloroethene were detected at concentrations exceeding NYSDOH Matrix A Indoor Air Concentrations Criteria (May 2017) in sample IA-3, located in the basement of 506 Main Street. Carbon tetrachloride was detected in all four samples exceeding the NYSDOH Matrix A criteria but was also detected in the ambient (outdoor) air sample in excess of NYSDOH criteria, indicating that the source of this constituent is not likely to be site-related.

VOCs in groundwater including trichloroethene and tetrachloroethene were identified at concentrations exceeding the TOGS AWQS in the sample collected from temporary well TW-1. SVOCs including benzo(a)pyrene, benzo(b)fluoranthene, and benzo(k)fluoranthene were identified in TW-4 exceeding TOGS AWQS, and phenol was identified in TW-3 exceeding TOGS AWQS. Numerous metals were identified in the temporary wells exceeding TOGS AWQS, which is attributed to high sample turbidity and unfiltered nature of the samples collected from temporary wells, and not to any known onsite source. Several PFASs were detected in the two temporary wells installed in the 12 Church Street basement, with total PFASs concentrations of 0.093 ug/L in Church-TW-1 and 0.121 ug/L in Church-TW-2. No groundwater standards have been promulgated for PFASs at this time. However, as per the NYSDEC Guidelines for Sampling and Analysis of PFAS (January 2020), PFAS should be further assessed and considered as potential contaminant of concern in groundwater if PFOA of PFAS is detected in any water sample about 10 ng/L (0.01 ug/L).

TABLES
(Electronic)

Table 1
500 Main Street, New Rochelle, NY
Semi-Volatile Organic Compounds in Water

LOCATION	Units	NY-AWQS	MW-2		MW-1		TW-1		TW-3		TW-4		TW-5	
SAMPLING DATE			7/18/2019		7/16/2019		7/17/2019		9/11/2019		9/12/2019		9/12/2019	
LAB SAMPLE ID			460-187054-1		460-186859-6		460-186947-6		L1941891-01		L1941891-02		L1941891-03	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS														
1,2,4-Trichlorobenzene	ug/l	5							5	U	5	U	5	U
Bis(2-chloroethyl)ether	ug/l	1	0.30	U	0.30	U * H	0.30	U	2	U	2	U	2	U
1,2-Dichlorobenzene	ug/l	3							2	U	2	U	2	U
1,3-Dichlorobenzene	ug/l	3							2	U	2	U	2	U
1,4-Dichlorobenzene	ug/l	3							2	U	2	U	2	U
3,3'-Dichlorobenzidine	ug/l	5	1.4	U *	1.4	U H *	1.4	U *	5	U	5	U	5	U
2,4-Dinitrotoluene	ug/l	5	1.0	U	1.0	U H	1.0	U	5	U	5	U	5	U
2,6-Dinitrotoluene	ug/l	5	1.5	J	0.39	U H	0.39	U	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	ug/l		1.3	U	1.3	U H	1.3	U	2	U	2	U	2	U
4-Bromophenyl phenyl ether	ug/l		0.75	U	0.75	U H	0.75	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	ug/l	5							2	U	2	U	2	U
Bis(2-chloroethoxy)methane	ug/l	5	0.24	U	0.24	U * H	0.24	U	5	U	5	U	5	U
Hexachlorocyclopentadiene	ug/l	5	1.7	U	1.7	U H	1.7	U	20	U	20	U	20	U
Isophorone	ug/l	50	0.80	U	0.80	U H	0.80	U	5	U	5	U	5	U
Nitrobenzene	ug/l	0.4	0.57	U	0.57	U H	0.57	U	2	U	2	U	2	U
NDPA/DPA	ug/l	50							2	U	2	U	2	U
n-Nitrosodi-n-propylamine	ug/l		0.43	U	0.43	U H	0.43	U	5	U	5	U	5	U
Bis(2-ethylhexyl)phthalate	ug/l	5	1.7	U	1.7	U H	1.7	U	1.8	J	2	J	2	J
Butyl benzyl phthalate	ug/l	50	0.85	U	0.85	U H	0.85	U	5	U	5	U	5	U
Di-n-butylphthalate	ug/l	50	0.84	U	0.84	U H	0.84	U	2.2	J	2.3	J	5	U
Di-n-octylphthalate	ug/l	50	4.8	U	4.8	U H	4.8	U	5	U	5	U	5	U
Diethyl phthalate	ug/l	50	0.98	U	0.98	U H	0.98	U	5	U	5	U	5	U
Dimethyl phthalate	ug/l	50	0.77	U	0.77	U H	0.77	U	5	U	5	U	5	U
Biphenyl	ug/l								2	U	2	U	2	U
4-Chloroaniline	ug/l	5	1.9	U *	1.9	U H *	1.9	U *	5	U	5	U	5	U
2-Nitroaniline	ug/l	5	0.47	U	0.47	U H	0.47	U	5	U	5	U	5	U
3-Nitroaniline	ug/l	5	0.96	U *	0.96	U H *	0.96	U *	5	U	5	U	5	U
4-Nitroaniline	ug/l	5	0.54	U	0.54	U H	0.54	U	5	U	5	U	5	U
Dibenzofuran	ug/l		1.1	U	1.1	U H	1.1	U	2	U	2	U	2	U
1,2,4,5-Tetrachlorobenzene	ug/l	5	1.2	U	1.2	U H	1.2	U	10	U	10	U	10	U
Acetophenone	ug/l		0.79	U	0.79	U H	0.79	U	5	U	5	U	1.2	J
2,4,6-Trichlorophenol	ug/l		0.30	U	0.30	U H	0.30	U	5	U	5	U	5	U
p-Chloro-m-cresol	ug/l								2	U	2	U	2	U
2-Chlorophenol	ug/l		0.38	U	0.38	U H	0.38	U	2	U	2	U	2	U
2,4-Dichlorophenol	ug/l	1	0.42	U	0.42	U H	0.42	U	5	U	5	U	5	U
2,4-Dimethylphenol	ug/l	50	0.24	U	0.24	U H	0.24	U	5	U	5	U	5	U
2-Nitrophenol	ug/l		0.75	U	0.75	U H	0.75	U	10	U	10	U	10	U
4-Nitrophenol	ug/l		0.69	U	0.69	U H	0.69	U	10	U	10	U	10	U
2,4-Dinitrophenol	ug/l	10	14	U	14	U H	14	U	20	U	20	U	20	U
4,6-Dinitro-o-cresol	ug/l								10	U	10	U	10	U
Phenol	ug/l	1	0.94	J	0.29	U * H	0.29	U	2.7	J	5	U	5	U
2-Methylphenol	ug/l		0.26	U	0.26	U H	0.26	U	5	U	5	U	5	U
3-Methylphenol/4-Methylphenol	ug/l								5	U	5	U	5	U
2,4,5-Trichlorophenol	ug/l		0.28	U	0.28	U H	0.28	U	5	U	5	U	5	U
Benzoic Acid	ug/l								14	J	14	J	11	J
Benzyl Alcohol	ug/l								2	U	2	U	2	U
Carbazole	ug/l		0.68	U	0.68	U H	0.68	U	2	U	2	U	2	U
Semivolatile Organics by GC/MS-SIM														
Acenaphthene	ug/l	20	1.1	U	1.1	U H	1.1	U	0.1	U	0.1	U	0.1	U
2-Chloronaphthalene	ug/l	10	1.2	U	1.2	U H	1.2	U	0.2	U	0.2	U	0.2	U
Fluoranthene	ug/l	50	0.84	U	0.84	U H	0.84	U	0.1	U	0.06	J	0.1	U
Hexachlorobutadiene	ug/l	0.5	0.78	U	0.78	U H	0.78	U	0.5	U	0.5	U	0.5	U
Naphthalene	ug/l	10	1.1	U	1.1	U H	1.1	U	0.28		0.1	U	0.1	U
Benzo(a)anthracene	ug/l	0.002	0.59	U	0.59	U H	0.59	U	0.1	U	0.1	U	0.1	U
Benzo(a)pyrene	ug/l	0	0.41	U *	0.41	U H	0.41	U *	0.1	U	0.02	J	0.1	U
Benzo(b)fluoranthene	ug/l	0.002	1.1	U *	1.1	U H	1.1	U *	0.1	U	0.04	J	0.1	U
Benzo(k)fluoranthene	ug/l	0.002	0.67	U	0.67	U H	0.67	U	0.1	U	0.02	J	0.1	U
Chrysene	ug/l	0.002	0.91	U	0.91	U H	0.91	U	0.1	U	0.1	U	0.1	U
Acenaphthylene	ug/l		0.82	U	0.82	U H	0.82	U	0.1	U	0.1	U	0.1	U
Anthracene	ug/l	50	0.63	U	0.63	U H	0.63	U	0.1	U	0.1	U	0.1	U
Benzo(ghi)perylene	ug/l		1.4	U	1.4	U H	1.4	U	0.1	U	0.1	U	0.1	U
Fluorene	ug/l	50	0.91	U	0.91	U H	0.91	U	0.1	U	0.1	U	0.1	U
Phenanthrene	ug/l	50	0.58	U	0.58	U H	0.58	U	0.1	U	0.12		0.1	U
Dibenzo(a,h)anthracene	ug/l		0.72	U	0.72	U H	0.72	U	0.1	U	0.1	U	0.1	U
Indeno(1,2,3-cd)pyrene	ug/l	0.002	1.3	U	1.3	U H	1.3	U	0.1	U	0.1	U	0.1	U
Pyrene	ug/l	50	1.6	U	1.6	U H	1.6	U	0.1	U	0.05	J	0.1	U
2-Methylnaphthalene	ug/l		1.1	U	1.1	U H	1.1	U	0.1	U	0.04	J	0.02	J
Pentachlorophenol	ug/l	1							0.8	U	0.8	U	0.8	U
Hexachlorobenzene	ug/l	0.04	0.40	U	0.40	U H	0.40	U	0.8	U	0.8	U	0.8	U
Hexachloroethane	ug/l	5	1.2	U	1.2	U H	1.2	U	0.8	U	0.8	U	0.8	U
Semivolatile Organics 8270D														
2,2'-oxybis[1-chloropropane]	ug/l	NA	0.63	U	0.63	U * H	0.63	U						
2,3,4,6-Tetrachlorophenol	ug/l	NA	0.75	U	0.75	U H	0.75	U						
4,6-Dinitro-2-methylphenol	ug/l	NA	13	U	13	U H	13	U						
4-Chloro-3-methylphenol	ug/l	5	0.58	U	0.58	U H	0.58	U						
4-Methylphenol	ug/l	50	0.24	U	0.24	U H	0.24	U						
Atrazine	ug/l	NA	1.3	U	1.3	U H *	1.3	U						
Benzaldehyde	ug/l	NA	0.59	U *	0.59	U H	0.59	U *						
Caprolactam	ug/l	NA	4.0	J *	0.68	U H *	0.68	U *						
Diphenyl	ug/l	NA	1.2	U	1.2	U H	1.2	U						
N-Nitrosodiphenylamine	ug/l	NA	0.89	U	0.89	U H	0.89	U						
Pentachlorophenol	ug/l	1	1.4	U *	1.4	U H	1.4	U *						
Total Conc	ug/l	NA	6.44		0.0		0.0							
Total Estimated Conc. (TICs)	ug/l	NA	11.0		0.0*T		0.0*T							

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
Exceeds NY Groundwater Standards:
H : Sample was prepped or analyzed beyond the specified holding time
* : LCS or LCSD is outside acceptance limits.

Table 2
500 Main Street, New Rochelle, NY
Volatile Organic Compounds in Water

LOCATION	Units	NY-AWQS	TW-3		TW-4		TW-5		TB		MW-2	
SAMPLING DATE			9/11/2019		9/12/2019		9/12/2019		9/10/2019		7/18/2019	
LAB SAMPLE ID			L1941891-01		L1941891-02		L1941891-03		L1941891-06		460-187054-1	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS												
Methylene chloride	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.32	U
1,1-Dichloroethane	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.26	U
Chloroform	ug/l	7	2.5	U	2.5	U	3.7		2.5	U	3.8	
Carbon tetrachloride	ug/l	5	0.5	U	0.5	U	0.5	U	0.5	U	0.21	U
1,2-Dichloropropane	ug/l	1	1	U	1	U	1	U	1	U	0.35	U
Dibromochloromethane	ug/l	50	0.5	U	0.5	U	0.5	U	0.5	U	0.28	U
1,1,2-Trichloroethane	ug/l	1	1.5	U	1.5	U	1.5	U	1.5	U	0.43	U
Tetrachloroethene	ug/l	5	0.5	U	0.5	U	0.5	U	0.5	U	0.25	U
Chlorobenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.38	U
Trichlorofluoromethane	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.32	U
1,2-Dichloroethane	ug/l	0.6	0.5	U	0.5	U	0.5	U	0.5	U		
1,1,1-Trichloroethane	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.24	U
Bromodichloromethane	ug/l	50	0.5	U	0.5	U	0.5	U	0.5	U	0.34	U
trans-1,3-Dichloropropene	ug/l	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.49	U
cis-1,3-Dichloropropene	ug/l	0.4	0.5	U	0.5	U	0.5	U	0.5	U		
1,3-Dichloropropene, Total	ug/l		0.5	U	0.5	U	0.5	U	0.5	U	0.22	U
1,1-Dichloropropene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
Bromoform	ug/l	50	2	U	2	U	2	U	2	U	0.54	U
1,1,2,2-Tetrachloroethane	ug/l	5	0.5	U	0.5	U	0.5	U	0.5	U	0.37	U
Benzene	ug/l	1	0.5	U	0.5	U	0.5	U	0.5	U	0.20	U
Toluene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.38	U
Ethylbenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.30	U
Chloromethane	ug/l		2.5	U	2.5	U	2.5	U	2.5	U	0.40	U
Bromomethane	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.55	U
Vinyl chloride	ug/l	2	1	U	1	U	1	U	1	U	0.17	U
Chloroethane	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.32	U
1,1-Dichloroethene	ug/l	5	0.5	U	0.5	U	0.5	U	0.5	U		
trans-1,2-Dichloroethene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.24	U
Trichloroethene	ug/l	5	0.5	U	0.5	U	0.5	U	0.5	U	0.31	U
1,2-Dichlorobenzene	ug/l	3	2.5	U	2.5	U	2.5	U	2.5	U	0.43	U
1,3-Dichlorobenzene	ug/l	3	2.5	U	2.5	U	2.5	U	2.5	U	0.34	U
1,4-Dichlorobenzene	ug/l	3	2.5	U	2.5	U	2.5	U	2.5	U	0.33	U
Methyl tert butyl ether	ug/l	10	2.5	U	2.5	U	2.5	U	2.5	U		
p/m-Xylene	ug/l	5	2.5	U	0.85	J	2.5	U	2.5	U	0.30	U
o-Xylene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.36	U
Xylenes, Total	ug/l		2.5	U	0.85	J	2.5	U	2.5	U		
cis-1,2-Dichloroethene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.22	U
1,2-Dichloroethene, Total	ug/l		2.5	U	2.5	U	2.5	U	2.5	U	0.43	U
Dibromomethane	ug/l	5	5	U	5	U	5	U	5	U		
1,2,3-Trichloropropane	ug/l	0.04	2.5	U	2.5	U	2.5	U	2.5	U		
Acrylonitrile	ug/l	5	5	U	5	U	5	U	5	U		
Styrene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.42	U
Dichlorodifluoromethane	ug/l	5	5	U	5	U	5	U	5	U	0.31	U
Acetone	ug/l	50	9.7		4.7	J	3.9	J	5	U	4.4	U
Carbon disulfide	ug/l	60	5	U	5	U	5	U	5	U	0.82	U
2-Butanone	ug/l	50	5	U	2.2	J	5	U	5	U	1.9	U
Vinyl acetate	ug/l		5	U	5	U	5	U	5	U		
4-Methyl-2-pentanone	ug/l		5	U	5	U	5	U	5	U	1.3	U
2-Hexanone	ug/l	50	5	U	5	U	5	U	5	U	1.1	U
Bromochloromethane	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.41	U
2,2-Dichloropropane	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
1,2-Dibromoethane	ug/l	0.0006	2	U	2	U	2	U	2	U	0.50	U
1,3-Dichloropropane	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
1,1,1,2-Tetrachloroethane	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
Bromobenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
n-Butylbenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
sec-Butylbenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
tert-Butylbenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
o-Chlorotoluene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
p-Chlorotoluene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
1,2-Dibromo-3-chloropropane	ug/l	0.04	2.5	U	2.5	U	2.5	U	2.5	U	0.38	U
Hexachlorobutadiene	ug/l	0.5	2.5	U	2.5	U	2.5	U	2.5	U		
Isopropylbenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.34	U
p-Isopropyltoluene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
Naphthalene	ug/l	10	2.5	U	2.5	U	2.5	U	2.5	U		
n-Propylbenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
1,2,3-Trichlorobenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.36	U *
1,2,4-Trichlorobenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U	0.37	U *
1,3,5-Trimethylbenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
1,2,4-Trimethylbenzene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
1,4-Dioxane	ug/l		250	U	250	U	250	U	250	U	28	U *
p-Diethylbenzene	ug/l		2	U	2	U	2	U	2	U		
p-Ethyltoluene	ug/l		2	U	2	U	2	U	2	U		
1,2,4,5-Tetramethylbenzene	ug/l	5	2	U	2	U	2	U	2	U		
Ethyl ether	ug/l		2.5	U	2.5	U	2.5	U	2.5	U		
trans-1,4-Dichloro-2-butene	ug/l	5	2.5	U	2.5	U	2.5	U	2.5	U		
Cyclohexane	ug/l	NA									0.32	U
Freon TF	ug/l	NA									0.31	U
Methyl acetate	ug/l	NA									0.79	U
Methylcyclohexane	ug/l	NA									0.26	U
MTBE	ug/l	NA									0.47	U
Total Conc	ug/l	NA									3.8	
Total Estimated Conc. (TICs)	ug/l	NA									0.0*T	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
Exceeds NY Groundwater Standards:
* : LCS or LCSD is outside acceptance limits.
*T There are no TICs reported for the sample

Table 2
500 Main Street, New Rochelle, NY
Volatile Organic Compounds in Water

LOCATION	Units	NY-AWQS	TW-3		TB		MW-1		TW-1		TB	
SAMPLING DATE			9/11/2019		7/19/2019		7/16/2019		7/17/2019		7/17/2019	
LAB SAMPLE ID			L1941891-01		460-187054-2		460-186859-6		460-186947-6		460-186947-7	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by GC/MS												
Methylene chloride	ug/l	5	2.5	U	0.32	U	0.32	U	0.55	J	0.32	U
1,1-Dichloroethane	ug/l	5	2.5	U	0.26	U	0.26	U	0.26	U	0.26	U
Chloroform	ug/l	7	2.5	U	0.33	U	0.33	U	0.83	J	0.33	U
Carbon tetrachloride	ug/l	5	0.5	U	0.21	U	0.21	U	0.21	U	0.21	U
1,2-Dichloropropane	ug/l	1	1	U	0.35	U	0.35	U	0.35	U	0.35	U
Dibromochloromethane	ug/l	50	0.5	U	0.28	U	0.28	U	0.28	U	0.28	U
1,1,2-Trichloroethane	ug/l	1	1.5	U	0.43	U	0.43	U	0.43	U	0.43	U
Tetrachloroethene	ug/l	5	0.5	U	0.25	U	0.31	U	**9.3**		0.31	U
Chlorobenzene	ug/l	5	2.5	U	0.38	U	0.38	U	0.38	U	0.38	U
Trichlorofluoromethane	ug/l	5	2.5	U	0.32	U	0.32	U	0.32	U	0.32	U
1,2-Dichloroethane	ug/l	0.6	0.5	U			0.43	U	0.43	U	0.43	U
1,1,1-Trichloroethane	ug/l	5	2.5	U	0.24	U	0.24	U	0.24	U	0.24	U
Bromodichloromethane	ug/l	50	0.5	U	0.34	U	0.34	U	0.34	U	0.34	U
trans-1,3-Dichloropropene	ug/l	0.4	0.5	U	0.49	U	0.49	U	0.49	U	0.49	U
cis-1,3-Dichloropropene	ug/l	0.4	0.5	U								
1,3-Dichloropropene, Total	ug/l		0.5	U	0.22	U	0.22	U	0.22	U	0.22	U
1,1-Dichloropropene	ug/l	5	2.5	U								
Bromoform	ug/l	50	2	U	0.54	U	0.54	U	0.54	U	0.54	U
1,1,2,2-Tetrachloroethane	ug/l	5	0.5	U	0.37	U	0.37	U	0.37	U	0.37	U
Benzene	ug/l	1	0.5	U	0.20	U	0.20	U	0.20	U	0.20	U
Toluene	ug/l	5	2.5	U	0.38	U	0.38	U	0.38	U	0.38	U
Ethylbenzene	ug/l	5	2.5	U	0.30	U	0.30	U	0.30	U	0.30	U
Chloromethane	ug/l		2.5	U	0.40	U	0.40	U	0.40	U	0.40	U
Bromomethane	ug/l	5	2.5	U	0.55	U	0.55	U	0.55	U	0.55	U
Vinyl chloride	ug/l	2	1	U	0.17	U	0.17	U	0.17	U	0.17	U
Chloroethane	ug/l	5	2.5	U	0.32	U	0.32	U	0.32	U	0.32	U
1,1-Dichloroethene	ug/l	5	0.5	U			0.26	U	0.26	U	0.26	U
trans-1,2-Dichloroethene	ug/l	5	2.5	U	0.24	U	0.24	U	0.67	J	0.24	U
Trichloroethene	ug/l	5	0.5	U	0.31	U	0.31	U	**9.3**		0.31	U
1,2-Dichlorobenzene	ug/l	3	2.5	U	0.43	U	0.43	U	0.43	U	0.43	U
1,3-Dichlorobenzene	ug/l	3	2.5	U	0.34	U	0.34	U	0.34	U	0.34	U
1,4-Dichlorobenzene	ug/l	3	2.5	U	0.33	U	0.33	U	0.33	U	0.33	U
Methyl tert butyl ether	ug/l	10	2.5	U								
p/m-Xylene	ug/l	5	2.5	U	0.30	U	0.30	U	0.30	U	0.30	U
o-Xylene	ug/l	5	2.5	U	0.36	U	0.36	U	0.36	U	0.36	U
Xylenes, Total	ug/l		2.5	U								
cis-1,2-Dichloroethene	ug/l	5	2.5	U	0.22	U	0.22	U	27		0.22	U
1,2-Dichloroethene, Total	ug/l		2.5	U	0.43	U						
Dibromomethane	ug/l	5	5	U								
1,2,3-Trichloropropane	ug/l	0.04	2.5	U								
Acrylonitrile	ug/l	5	5	U								
Styrene	ug/l	5	2.5	U	0.42	U	0.42	U	0.42	U	0.42	U
Dichlorodifluoromethane	ug/l	5	5	U	0.31	U	0.31	U	0.31	U	0.31	U
Acetone	ug/l	50	9.7		4.4	U	4.4	U	4.4	U	4.4	U
Carbon disulfide	ug/l	60	5	U	0.82	U	0.82	U	0.82	U	0.82	U
2-Butanone	ug/l	50	5	U	1.9	U	1.9	U	1.9	U	1.9	U
Vinyl acetate	ug/l		5	U								
4-Methyl-2-pentanone	ug/l		5	U	1.3	U	1.3	U	1.3	U	1.3	U
2-Hexanone	ug/l	50	5	U	1.1	U	1.1	U	1.1	U	1.1	U
Bromochloromethane	ug/l	5	2.5	U	0.41	U	0.41	U	0.41	U	0.41	U
2,2-Dichloropropane	ug/l	5	2.5	U								
1,2-Dibromoethane	ug/l	0.0006	2	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichloropropane	ug/l	5	2.5	U								
1,1,1,2-Tetrachloroethane	ug/l	5	2.5	U								
Bromobenzene	ug/l	5	2.5	U								
n-Butylbenzene	ug/l	5	2.5	U								
sec-Butylbenzene	ug/l	5	2.5	U								
tert-Butylbenzene	ug/l	5	2.5	U								
o-Chlorotoluene	ug/l	5	2.5	U								
p-Chlorotoluene	ug/l	5	2.5	U								
1,2-Dibromo-3-chloropropane	ug/l	0.04	2.5	U	0.38	U	0.38	U	0.38	U	0.38	U
Hexachlorobutadiene	ug/l	0.5	2.5	U								
Isopropylbenzene	ug/l	5	2.5	U	0.34	U	0.34	U	0.34	U	0.34	U
p-Isopropyltoluene	ug/l	5	2.5	U								
Naphthalene	ug/l	10	2.5	U								
n-Propylbenzene	ug/l	5	2.5	U								
1,2,3-Trichlorobenzene	ug/l	5	2.5	U	0.36	U *	0.36	U	0.36	U	0.36	U
1,2,4-Trichlorobenzene	ug/l	5	2.5	U	0.37	U *	0.37	U	0.37	U	0.37	U
1,3,5-Trimethylbenzene	ug/l	5	2.5	U								
1,2,4-Trimethylbenzene	ug/l	5	2.5	U								
1,4-Dioxane	ug/l		250	U	28	U *	28	U	28	U	28	U
p-Diethylbenzene	ug/l		2	U								
p-Ethyltoluene	ug/l		2	U								
1,2,4,5-Tetramethylbenzene	ug/l	5	2	U								
Ethyl ether	ug/l		2.5	U								
trans-1,4-Dichloro-2-butene	ug/l	5	2.5	U								
Cyclohexane	ug/l	NA			0.32	U	U	0.32	U	0.32	U	0.32
Freon TF	ug/l	NA			0.31	U	U	0.31	U	0.31	U	0.31
Methyl acetate	ug/l	NA			0.79	U	U	0.79	U	0.79	U	0.79
Methylcyclohexane	ug/l	NA			0.26	U	U	0.26	U	0.26	U	0.26
MTBE	ug/l	NA			0.47	U	U	0.47	J	0.47	U	0.47
Total Conc	ug/l	NA			0.0							
Total Estimated Conc. (TICs)	ug/l	NA			0.0*T							

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
Exceeds NY Groundwater Standards:
* : LCS or LCSD is outside acceptance limits.
*T There are no TICs reported for the sample

Table 3
500 Main Street, New Rochelle, NY
Total Metals in Groundwater

LOCATION	Units	NY-AWQS	MW-2		MW-1		TW-1		TW-3		TW-4		TW-5	
SAMPLING DATE			7/18/2019		7/16/2019		7/17/2019		9/11/2019		9/12/2019		9/12/2019	
LAB SAMPLE ID			460-187054-1		460-186859-6		460-186947-6		L1941891-01		L1941891-02		L1941891-03	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals														
Aluminum, Total	ug/l		22700		358000		572000		82200		32500		36900	
Antimony, Total	ug/l	3	0.40	U	0.82	J	0.40	U	50	U	50	U	50	U
Arsenic, Total	ug/l	25	2.8		32.7		27.5		6		2	J	3	J
Barium, Total	ug/l	1000	482		3750		8530		1460		615		541	
Beryllium, Total	ug/l	3	0.62	J	14.7		26.2		3	J	5	U	1	J
Cadmium, Total	ug/l	5	0.81	U	4.3		7.1		4	J	2	J	2	J
Calcium, Total	ug/l		118000		107000		185000		146000		159000		76200	
Chromium, Total	ug/l	50	58.1		1540		1830		283		109		126	
Cobalt, Total	ug/l		29.2		330		879		163		48		53	
Copper, Total	ug/l	200	62.9		867		1410		270		118		105	
Iron, Total	ug/l	300	35900		701000		1380000		112000		57700		64600	
Lead, Total	ug/l	25	11.0		976		526		152		83		49	
Magnesium, Total	ug/l	35000	28200		180000		276000		36000		27300		27200	
Manganese, Total	ug/l	300	1470		21900		72200		9800		4030		4320	
Mercury, Total	ug/l	0.7	0.12	U	0.76		0.49		0.2	U	0.26		0.2	U
Nickel, Total	ug/l	100	64.3		1300		2340		248		96		99	
Potassium, Total	ug/l		24200		156000		279000		42900		33900		27900	
Selenium, Total	ug/l	10	5.4	U	53.5	U	53.5	U	10	U	10	U	10	U
Silver, Total	ug/l	50	0.59	U	1.9	J	1.7	J	7	U	7	U	7	U
Sodium, Total	ug/l	20000	816000		28900		124000		309000		877000		535000	
Thallium, Total	ug/l	0.5	0.43	J	9.3		18.4		3	J	20	U	20	U
Vanadium, Total	ug/l		48.6		1020		1400		162		85		91	
Zinc, Total	ug/l	2000	83.4		2080		2850		460		327		217	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
Exceeds NY Groundwater Standards:

Table 4
500 Main Street, New Rochelle, NY
PCB's and Pesticides in Groundwater

LOCATION	Units	NY-AWQS	MW-2		MW-1		TW-1		TW-3		TW-4		TW-5	
SAMPLING DATE			7/18/2019		7/16/2019		7/17/2019		9/11/2019		9/12/2019		9/12/2019	
LAB SAMPLE ID			460-187054-1		460-186859-6		460-186947-6		L1941891-01		L1941891-02		L1941891-03	
SAMPLE TYPE			WATER		WATER		WATER		WATER		WATER		WATER	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry														
Cyanide, Total	ug/l	200	0.0040	U			0.0040	U	5	U	5	U	5	U
Organochlorine Pesticides by GC														
Delta-BHC	ug/l	0.04	0.0050	U	0.0050	U H	0.0050	U	0.014	U	0.014	U	0.05	U
Lindane	ug/l	0.05	0.012	U	0.012	U H	0.012	U	0.014	U	0.014	U	0.05	U
Alpha-BHC	ug/l	0.01	0.0070	U	0.0070	U H	0.0070	U	0.014	U	0.014	U	0.05	U
Beta-BHC	ug/l	0.04	0.0040	U	0.0040	U H	0.0040	U	0.014	U	0.014	U	0.05	U
Heptachlor	ug/l	0.04	0.0030	U	0.0030	U H	0.0030	U	0.014	U	0.014	U	0.05	U
Aldrin	ug/l	0	0.0030	U	0.0030	U H	0.0030	U	0.014	U	0.014	U	0.05	U
Heptachlor epoxide	ug/l	0.03	0.0050	U	0.0050	U H	0.0050	U	0.014	U	0.014	U	0.05	U
Endrin	ug/l	0	0.0040	U	0.0040	U H	0.0040	U	0.029	U	0.029	U	0.1	U
Endrin aldehyde	ug/l	5	0.0080	U	0.0080	U H	0.0080	U	0.029	U	0.029	U	0.023	J
Endrin ketone	ug/l	5	0.0080	U	0.0080	U H	0.0080	U	0.029	U	0.029	U	0.1	U
Dieldrin	ug/l	0.004	0.0030	U	0.0030	U H	0.0030	U	0.029	U	0.029	U	0.1	U
4,4'-DDE	ug/l	0.2	0.0020	U	0.0020	U H	0.0020	U	0.029	U	0.029	U	0.1	U
4,4'-DDD	ug/l	0.3	0.0020	U	0.0020	U H	0.0020	U	0.029	U	0.029	U	0.1	U
4,4'-DDT	ug/l	0.2	0.0040	U	0.0040	U H	0.0040	U	0.029	U	0.029	U	0.1	U
Endosulfan I	ug/l		0.0020	U	0.0020	U H	0.0020	U	0.014	U	0.014	U	0.05	U
Endosulfan II	ug/l		0.0040	U	0.0040	U H	0.0040	U	0.029	U	0.029	U	0.1	U
Endosulfan sulfate	ug/l		0.0060	U	0.0060	U H	0.0060	U	0.029	U	0.029	U	0.1	U
Methoxychlor	ug/l	35	0.0040	U	0.0040	U H	0.0040	U	0.143	U	0.143	U	0.5	U
Toxaphene	ug/l	0.06	0.11	U	0.11	U H	0.11	U	0.143	U	0.143	U	0.5	U
cis-Chlordane	ug/l								0.014	U	0.014	U	0.05	U
trans-Chlordane	ug/l								0.014	U	0.014	U	0.05	U
Chlordane	ug/l	0.05	0.055	U	0.055	U H	0.055	U	0.143	U	0.143	U	0.5	U
Polychlorinated Biphenyls by GC														
Aroclor 1016	ug/l	0.09	0.12	U	0.12	U H	0.12	U	0.083	U	0.083	U	0.5	U
Aroclor 1221	ug/l	0.09	0.12	U	0.12	U H	0.12	U	0.083	U	0.083	U	0.5	U
Aroclor 1232	ug/l	0.09	0.12	U	0.12	U H	0.12	U	0.083	U	0.083	U	0.5	U
Aroclor 1242	ug/l	0.09	0.12	U	0.12	U H	0.12	U	0.083	U	0.083	U	0.5	U
Aroclor 1248	ug/l	0.09	0.12	U	0.12	U H	0.12	U	0.083	U	0.083	U	0.5	U
Aroclor 1254	ug/l	0.09	0.11	U	0.11	U H	0.11	U	0.052	JP	0.06	J	0.5	U
Aroclor 1260	ug/l	0.09	0.11	U	0.11	U H	0.11	U	0.083	U	0.083	U	0.5	U
Aroclor 1262	ug/l	0.09	0.11	U	0.11	U H	0.11	U	0.083	U	0.083	U	0.5	U
Aroclor 1268	ug/l	0.09	0.11	U	0.11	U H	0.11	U	0.083	U	0.083	U	0.5	U
PCBs, Total	ug/l		0.12	U	0.12	U H	0.12	U	0.052	J	0.06	J	0.5	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
Exceeds NY Groundwater Standards:
H : Sample was prepped or analyzed beyond the specified holding time

Table 5
500 Main Street, New Rochelle, NY
PFAS Compounds in Groundwater

LOCATION	Units	CHURCH-TW-1		CHURCH-TW-2		FB	
SAMPLING DATE		12/18/2019		12/18/2019		12/18/2019	
LAB SAMPLE ID		L1960688-01		L1960688-02		L1960688-03	
SAMPLE TYPE		WATER		WATER		WATER	
		Results	Qual	Results	Qual	Results	Qual
Perfluorinated Aklyl Acids By Isotope Dilution (PFAS)							
Perfluorobutanoic Acid (PFBA)	ug/l	0.00787		0.013		ND	
Perfluoropentanoic Acid (PFPeA)	ug/l	0.0124		0.0117		ND	
Perfluorobutanesulfonic Acid (PFBS)	ug/l	0.00469		0.011		ND	
Perfluorohexanoic Acid (PFHxA)	ug/l	0.0119		0.012		0.000334	J
Perfluoroheptanoic Acid (PFHpA)	ug/l	0.00644		0.00779		ND	
Perfluorohexanesulfonic Acid (PFHxS)	ug/l	0.00149	J	0.00208		ND	
Perfluorooctanoic Acid (PFOA)	ug/l	0.0231		0.0213		ND	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ug/l	ND		ND		ND	
Perfluoroheptanesulfonic Acid (PFHpS)	ug/l	ND		0.000762	J	ND	
Perfluorononanoic Acid (PFNA)	ug/l	0.00538		0.00417		ND	
Perfluorooctanesulfonic Acid (PFOS)	ug/l	0.0699		0.1		ND	
Perfluorodecanoic Acid (PFDA)	ug/l	0.00614		0.00376		ND	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ug/l	ND		ND		ND	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ug/l	0.000993	J	ND		ND	
Perfluoroundecanoic Acid (PFUnA)	ug/l	0.00222		0.00139	J	ND	
Perfluorodecanesulfonic Acid (PFDS)	ug/l	0.00333		0.0029		ND	
Perfluorooctanesulfonamide (FOSA)	ug/l	ND		ND		ND	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ug/l	ND		ND		ND	
Perfluorododecanoic Acid (PFDoA)	ug/l	0.000626	J	ND		ND	
Perfluorotridecanoic Acid (PFTrDA)	ug/l	ND		ND		ND	
Perfluorotetradecanoic Acid (PFTA)	ug/l	ND		ND		ND	
PFOA/PFOS, Total	ug/l	0.093		0.121		ND	

Nondetect = ND

J - Presumptive evidence of compound.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-1(2.5-3.0)		SB-1(4.5-5.0)		SB-2(1.5-2.0)	
SAMPLING DATE					7/16/2019		7/16/2019		7/16/2019	
LAB SAMPLE ID					460-186859-1		460-186859-2		460-186859-3	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS										
Acenaphthene	mg/kg	100	100	20	0.029	U	0.030	U	0.68	J
1,2,4-Trichlorobenzene	mg/kg									
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.0058	U	0.0060	U	0.011	U
Bis(2-chloroethyl)ether	mg/kg				0.0048	U	0.0050	U	0.0090	U
2-Chloronaphthalene	mg/kg				0.018	U	0.019	U	0.034	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1						
1,3-Dichlorobenzene	mg/kg	17	49	2.4						
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8						
3,3'-Dichlorobenzidine	mg/kg				0.060	U	0.062	U	0.11	U
2,4-Dinitrotoluene	mg/kg				0.020	U	0.021	U	0.038	U
2,6-Dinitrotoluene	mg/kg				0.013	U	0.013	U	0.024	U
Fluoranthene	mg/kg	100	100	100	0.0052	U	0.0054	U	0.047	J
4-Chlorophenyl phenyl ether	mg/kg				0.0063	U	0.0065	U	0.012	U
4-Bromophenyl phenyl ether	mg/kg				0.0051	U	0.0053	U	0.0096	U
Bis(2-chloroisopropyl)ether	mg/kg									
Bis(2-chloroethoxy)methane	mg/kg				0.014	U	0.014	U	0.026	U
Hexachlorobutadiene	mg/kg				0.0084	U	0.0088	U	0.016	U
Hexachlorocyclopentadiene	mg/kg				0.035	U	0.036	U	0.065	U
Hexachloroethane	mg/kg				0.0061	U	0.0064	U	0.011	U
Isophorone	mg/kg				0.010	U	0.011	U	0.020	U
Naphthalene	mg/kg	100	100	12	0.0069	U	0.0071	U	2.2	
Nitrobenzene	mg/kg				0.0095	U	0.0099	U	0.018	U
NDPA/DPA	mg/kg									
n-Nitrosodi-n-propylamine	mg/kg				0.0063	U	0.0066	U	0.012	U
Bis(2-ethylhexyl)phthalate	mg/kg				0.021	U	0.022	U	0.039	U
Butyl benzyl phthalate	mg/kg				0.019	U	0.019	U	0.035	U
Di-n-butylphthalate	mg/kg				0.070	U	0.073	U	0.13	U
Di-n-octylphthalate	mg/kg				0.021	U	0.022	U	0.039	U
Diethyl phthalate	mg/kg				0.0057	U	0.0060	U	0.011	U
Dimethyl phthalate	mg/kg				0.0048	U	0.0050	U	0.0090	U
Benzo(a)anthracene	mg/kg	1	1	1	0.014	U	0.014	U	0.026	U
Benzo(a)pyrene	mg/kg	1	1	1	0.011	U	0.011	U	0.020	U
Benzo(b)fluoranthene	mg/kg	1	1	1	0.010	U	0.011	U	0.019	U
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.0078	U	0.0081	U	0.015	U
Chrysene	mg/kg	1	3.9	1	0.0067	U	0.0070	U	0.013	U
Acenaphthylene	mg/kg	100	100	100	0.0041	U	0.0043	U	0.36	J
Anthracene	mg/kg	100	100	100	0.0044	U	0.0046	U	0.25	J
Benzo(ghi)perylene	mg/kg	100	100	100	0.012	U	0.012	U	0.022	U
Fluorene	mg/kg	100	100	30	0.0054	U	0.0056	U	1.7	
Phenanthrene	mg/kg	100	100	100	0.0070	U	0.0072	U	3.9	
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.017	U	0.018	U	0.032	U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.015	U	0.016	U	0.029	U
Pyrene	mg/kg	100	100	100	0.0099	U	0.010	U	0.22	J
Biphenyl	mg/kg				0.0053	U	0.0055	U	1.6	
4-Chloroaniline	mg/kg				0.028	U	0.029	U	0.052	U
2-Nitroaniline	mg/kg				0.015	U	0.015	U	0.028	U
3-Nitroaniline	mg/kg				0.022	U	0.022	U	0.040	U
4-Nitroaniline	mg/kg				0.015	U	0.015	U	0.028	U
Dibenzofuran	mg/kg	14	59	7	0.0056	U	0.0058	U	0.95	
2-Methylnaphthalene	mg/kg	0.41			0.0050	U	0.0051	U	10	
1,2,4,5-Tetrachlorobenzene	mg/kg				0.0052	U	0.0054	U	0.0097	U
Acetophenone	mg/kg				0.0064	U	0.0066	U	0.012	U
2,4,6-Trichlorophenol	mg/kg				0.020	U	0.021	U	0.037	U
p-Chloro-m-cresol	mg/kg									
2-Chlorophenol	mg/kg				0.0056	U *	0.0058	U *	0.010	U *
2,4-Dichlorophenol	mg/kg				0.0084	U	0.0087	U	0.016	U
2,4-Dimethylphenol	mg/kg				0.017	U	0.018	U	0.033	U
2-Nitrophenol	mg/kg				0.013	U	0.013	U	0.024	U
4-Nitrophenol	mg/kg				0.065	U	0.067	U	0.12	U
2,4-Dinitrophenol	mg/kg				0.19	U	0.20	U	0.37	U
4,6-Dinitro-o-cresol	mg/kg									
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.081	U	0.085	U	0.15	U
Phenol	mg/kg	100	100	0.33	0.0059	U *	0.0061	U *	0.011	U *
2-Methylphenol	mg/kg	100	100	0.33	0.0064	U *	0.0067	U *	0.012	U *
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.0068	U *	0.0070	U *	0.013	U *
2,4,5-Trichlorophenol	mg/kg				0.013	U	0.014	U	0.025	U
Benzoic Acid	mg/kg									
Benzyl Alcohol	mg/kg									
Carbazole	mg/kg				0.0046	U	0.0048	U	0.0087	U
1,4-Dioxane	mg/kg	9.8	13	0.1						
2,2'-oxybis[1-chloropropane]	mg/kg				0.0072	U	0.0075	U	0.013	U
2,3,4,6-Tetrachlorophenol	mg/kg				0.027	U	0.028	U	0.050	U
4,6-Dinitro-2-methylphenol	mg/kg				0.064	U	0.067	U	0.12	U
4-Chloro-3-methylphenol	mg/kg				0.0066	U	0.0069	U	0.012	U
Atrazine	mg/kg				0.010	U *	0.010	U *	0.019	U *
Benzaldehyde	mg/kg				0.017	U	0.018	U	0.032	U
Caprolactam	mg/kg				0.024	U	0.025	U	0.045	U
N-Nitrosodiphenylamine	mg/kg				0.0076	U	0.0079	U	3.2	
Total Conc	mg/kg				0.0		0.0		25.107	
Total Estimated Conc. (TICs)	mg/kg				0.8		0.65		112.13	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-2(3-3.5)		SB-3(3.5-4.0)		S-4(4-4.5)	
SAMPLING DATE					7/16/2019		7/16/2019		7/17/2019	
LAB SAMPLE ID					460-186859-4		460-186859-5		460-186947-1	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS										
Acenaphthene	mg/kg	100	100	20	0.027	U	0.029	U	0.028	U F1
1,2,4-Trichlorobenzene	mg/kg									
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.0054	U	0.0059	U	0.0056	U F1
Bis(2-chloroethyl)ether	mg/kg				0.0045	U	0.0049	U	0.0046	U F1
2-Chloronaphthalene	mg/kg				0.017	U	0.019	U	0.018	U F1
1,2-Dichlorobenzene	mg/kg	100	100	1.1						
1,3-Dichlorobenzene	mg/kg	17	49	2.4						
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8						
3,3'-Dichlorobenzidine	mg/kg				0.056	U	0.061	U	0.058	U F1
2,4-Dinitrotoluene	mg/kg				0.019	U	0.020	U	0.019	U F1
2,6-Dinitrotoluene	mg/kg				0.012	U	0.013	U	0.012	U F1
Fluoranthene	mg/kg	100	100	100	0.020	J	0.0052	U	0.0050	U F1
4-Chlorophenyl phenyl ether	mg/kg				0.0058	U	0.0064	U	0.0061	U F1
4-Bromophenyl phenyl ether	mg/kg				0.0048	U	0.0052	U	0.0050	U F1
Bis(2-chloroisopropyl)ether	mg/kg									
Bis(2-chloroethoxy)methane	mg/kg				0.013	U	0.014	U	0.013	U F1
Hexachlorobutadiene	mg/kg				0.0079	U	0.0086	U	0.0082	U F1
Hexachlorocyclopentadiene	mg/kg				0.032	U	0.035	U	0.034	U F1
Hexachloroethane	mg/kg				0.0057	U	0.0062	U	0.0059	U F1
Isophorone	mg/kg				0.0097	U	0.011	U	0.010	U F1
Naphthalene	mg/kg	100	100	12	0.0064	U	0.0070	U	0.0066	U F1
Nitrobenzene	mg/kg				0.0089	U	0.0097	U	0.0092	U F1
NDPA/DPA	mg/kg									
n-Nitrosodi-n-propylamine	mg/kg				0.0059	U	0.0064	U	0.0061	U F1
Bis(2-ethylhexyl)phthalate	mg/kg				0.020	U	0.021	U	0.020	U F1
Butyl benzyl phthalate	mg/kg				0.017	U	0.019	U	0.018	U F1
Di-n-butylphthalate	mg/kg				0.065	U	0.071	U	0.068	U F1
Di-n-octylphthalate	mg/kg				0.020	U	0.021	U	0.020	U F1
Diethyl phthalate	mg/kg				0.0054	U	0.0058	U	0.0056	U F1
Dimethyl phthalate	mg/kg				0.0045	U	0.0049	U	0.0046	U F1
Benzo(a)anthracene	mg/kg	1	1	1	0.013	U	0.014	U	0.013	U F1
Benzo(a)pyrene	mg/kg	1	1	1	0.0099	U	0.011	U	0.010	U F1
Benzo(b)fluoranthene	mg/kg	1	1	1	0.0096	U	0.010	U	0.0099	U F1
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.0073	U	0.0079	U	0.0075	U F1
Chrysene	mg/kg	1	3.9	1	0.0063	U	0.0068	U	0.0065	U F1
Acenaphthylene	mg/kg	100	100	100	0.0038	U	0.0042	U	0.0040	U F1
Anthracene	mg/kg	100	100	100	0.13	J	0.0045	U	0.0043	U F1
Benzo(ghi)perylene	mg/kg	100	100	100	0.011	U	0.012	U	0.011	U F1
Fluorene	mg/kg	100	100	30	0.30	J	0.0055	U	0.0052	U F1
Phenanthrene	mg/kg	100	100	100	0.70		0.0071	U	0.0067	U F1
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.016	U	0.017	U	0.017	U F1
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.014	U	0.016	U	0.015	U F1
Pyrene	mg/kg	100	100	100	0.061	J	0.010	U	0.0095	U F1
Biphenyl	mg/kg				0.36	J	0.0054	U	0.0051	U F1
4-Chloroaniline	mg/kg				0.026	U	0.028	U	0.027	U F1
2-Nitroaniline	mg/kg				0.014	U	0.015	U	0.014	U F1
3-Nitroaniline	mg/kg				0.020	U	0.022	U	0.021	U F1
4-Nitroaniline	mg/kg				0.014	U	0.015	U	0.014	U F1
Dibenzofuran	mg/kg	14	59	7	0.21	J	0.0057	U	0.0054	U F1
2-Methylnaphthalene	mg/kg	0.41			0.025	J	0.0050	U	0.0048	U F1
1,2,4,5-Tetrachlorobenzene	mg/kg				0.0048	U	0.0053	U	0.0050	U F1
Acetophenone	mg/kg				0.0060	U	0.0065	U	0.0062	U F1
2,4,6-Trichlorophenol	mg/kg				0.019	U	0.020	U	0.019	U F1
p-Chloro-m-cresol	mg/kg									
2-Chlorophenol	mg/kg				0.0052	U *	0.0056	U *	0.0054	U F1
2,4-Dichlorophenol	mg/kg				0.0078	U	0.0085	U	0.0081	U F1
2,4-Dimethylphenol	mg/kg				0.016	U	0.018	U	0.017	U F1
2-Nitrophenol	mg/kg				0.012	U	0.013	U	0.012	U F1
4-Nitrophenol	mg/kg				0.060	U	0.066	U	0.063	U F1
2,4-Dinitrophenol	mg/kg				0.18	U	0.20	U	0.19	U F1 F2
4,6-Dinitro-o-cresol	mg/kg									
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.076	U	0.083	U	0.079	U F1
Phenol	mg/kg	100	100	0.33	0.0055	U *	0.0060	U *	0.0057	U F1
2-Methylphenol	mg/kg	100	100	0.33	0.0060	U *	0.0065	U *	0.0062	U F1
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.0063	U *	0.0069	U *	0.0065	U F1
2,4,5-Trichlorophenol	mg/kg				0.012	U	0.013	U	0.013	U F1
Benzoic Acid	mg/kg									
Benzyl Alcohol	mg/kg									
Carbazole	mg/kg				0.0043	U	0.0047	U	0.0045	U F1
1,4-Dioxane	mg/kg	9.8	13	0.1						
2,2'-oxybis[1-chloropropane]	mg/kg				0.0067	U	0.0073	U	0.0069	U F1
2,3,4,6-Tetrachlorophenol	mg/kg				0.025	U	0.027	U	0.026	U F1
4,6-Dinitro-2-methylphenol	mg/kg				0.060	U	0.065	U	0.062	U F1
4-Chloro-3-methylphenol	mg/kg				0.0062	U	0.0067	U	0.0064	U F1
Atrazine	mg/kg				0.0093	U *	0.010	U *	0.0097	U
Benzaldehyde	mg/kg				0.016	U	0.018	U	0.017	U F1
Caprolactam	mg/kg				0.022	U	0.024	U	0.023	U
N-Nitrosodiphenylamine	mg/kg				0.0071	U	0.0077	U	0.0073	U F1
Total Conc	mg/kg				1.806		0.0		0.0	
Total Estimated Conc. (TICs)	mg/kg				56.1		0.65		0.79	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-5(2-2.5)		S-6(5-5.5)		S-7(2.5-3)	
SAMPLING DATE					7/17/2019		7/17/2019		7/17/2019	
LAB SAMPLE ID					460-186947-2		460-186947-3		460-186947-4	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS										
Acenaphthene	mg/kg	100	100	20	0.029	U	0.031	U	0.031	U
1,2,4-Trichlorobenzene	mg/kg									
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.0059	U	0.0063	U	0.0062	U
Bis(2-chloroethyl)ether	mg/kg				0.0049	U	0.0052	U	0.0051	U
2-Chloronaphthalene	mg/kg				0.019	U	0.020	U	0.020	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1						
1,3-Dichlorobenzene	mg/kg	17	49	2.4						
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8						
3,3'-Dichlorobenzidine	mg/kg				0.061	U	0.065	U	0.064	U
2,4-Dinitrotoluene	mg/kg				0.020	U	0.022	U	0.021	U
2,6-Dinitrotoluene	mg/kg				0.013	U	0.014	U	0.014	U
Fluoranthene	mg/kg	100	100	100	0.0052	U	0.0056	U	0.0055	U
4-Chlorophenyl phenyl ether	mg/kg				0.0064	U	0.0068	U	0.0067	U
4-Bromophenyl phenyl ether	mg/kg				0.0052	U	0.0056	U	0.0055	U
Bis(2-chloroisopropyl)ether	mg/kg									
Bis(2-chloroethoxy)methane	mg/kg				0.014	U	0.015	U	0.015	U
Hexachlorobutadiene	mg/kg				0.0086	U	0.0092	U	0.0090	U
Hexachlorocyclopentadiene	mg/kg				0.035	U	0.038	U	0.037	U
Hexachloroethane	mg/kg				0.0062	U	0.0067	U	0.0065	U
Isophorone	mg/kg				0.011	U	0.011	U	0.011	U
Naphthalene	mg/kg	100	100	12	0.0070	U	0.0075	U	0.0073	U
Nitrobenzene	mg/kg				0.0097	U	0.010	U	0.010	U
NDPA/DPA	mg/kg									
n-Nitrosodi-n-propylamine	mg/kg				0.0064	U	0.0069	U	0.0068	U
Bis(2-ethylhexyl)phthalate	mg/kg				0.021	U	0.023	U	0.054	J
Butyl benzyl phthalate	mg/kg				0.019	U	0.020	U	0.020	U
Di-n-butylphthalate	mg/kg				0.071	U	0.076	U	0.075	U
Di-n-octylphthalate	mg/kg				0.021	U	0.023	U	0.022	U
Diethyl phthalate	mg/kg				0.0058	U	0.0063	U	0.0062	U
Dimethyl phthalate	mg/kg				0.0049	U	0.0052	U	0.0051	U
Benzo(a)anthracene	mg/kg	1	1	1	0.014	U	0.015	J	0.015	U
Benzo(a)pyrene	mg/kg	1	1	1	0.011	U	0.012	U	0.011	U
Benzo(b)fluoranthene	mg/kg	1	1	1	0.010	U	0.011	U	0.011	U
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.0079	U	0.0085	U	0.0083	U
Chrysene	mg/kg	1	3.9	1	0.0068	U	0.0073	U	0.0072	U
Acenaphthylene	mg/kg	100	100	100	0.0042	U	0.0045	U	0.0044	U
Anthracene	mg/kg	100	100	100	0.0045	U	0.0048	U	0.0047	U
Benzo(ghi)perylene	mg/kg	100	100	100	0.012	U	0.013	U	0.013	U
Fluorene	mg/kg	100	100	30	0.0055	U	0.0059	U	0.0058	U
Phenanthrene	mg/kg	100	100	100	0.0071	U	0.0076	U	0.0075	U
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.017	U	0.019	U	0.018	U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.016	U	0.017	U	0.017	U
Pyrene	mg/kg	100	100	100	0.010	U	0.011	U	0.011	U
Biphenyl	mg/kg				0.0053	U	0.0057	U	0.0056	U
4-Chloroaniline	mg/kg				0.028	U	0.030	U	0.030	U
2-Nitroaniline	mg/kg				0.015	U	0.016	U	0.016	U
3-Nitroaniline	mg/kg				0.022	U	0.023	U	0.023	U
4-Nitroaniline	mg/kg				0.015	U	0.016	U	0.016	U
Dibenzofuran	mg/kg	14	59	7	0.0057	U	0.0061	U	0.0060	U
2-Methylnaphthalene	mg/kg	0.41			0.0050	U	0.0054	U	0.012	J
1,2,4,5-Tetrachlorobenzene	mg/kg				0.0053	U	0.0057	U	0.0056	U
Acetophenone	mg/kg				0.0065	U	0.0070	U	0.0068	U
2,4,6-Trichlorophenol	mg/kg				0.020	U	0.022	U	0.021	U
p-Chloro-m-cresol	mg/kg									
2-Chlorophenol	mg/kg				0.0056	U	0.0061	U	0.0060	U
2,4-Dichlorophenol	mg/kg				0.0085	U	0.0091	U	0.0090	U
2,4-Dimethylphenol	mg/kg				0.018	U	0.019	U	0.019	U
2-Nitrophenol	mg/kg				0.013	U	0.014	U	0.014	U
4-Nitrophenol	mg/kg				0.066	U	0.071	U	0.069	U
2,4-Dinitrophenol	mg/kg				0.20	U	0.21	U	0.21	U
4,6-Dinitro-o-cresol	mg/kg									
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.083	U	0.089	U	0.087	U
Phenol	mg/kg	100	100	0.33	0.0060	U	0.0064	U	0.0063	U
2-Methylphenol	mg/kg	100	100	0.33	0.0065	U	0.0070	U	0.0069	U
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.0069	U	0.0074	U	0.0072	U
2,4,5-Trichlorophenol	mg/kg				0.013	U	0.014	U	0.014	U
Benzoic Acid	mg/kg									
Benzyl Alcohol	mg/kg									
Carbazole	mg/kg				0.0047	U	0.0051	U	0.0050	U
1,4-Dioxane	mg/kg	9.8	13	0.1						
2,2'-oxybis[1-chloropropane]	mg/kg				0.0073	U	0.0078	U	0.0077	U
2,3,4,6-Tetrachlorophenol	mg/kg				0.027	U	0.029	U	0.029	U
4,6-Dinitro-2-methylphenol	mg/kg				0.065	U	0.070	U	0.069	U
4-Chloro-3-methylphenol	mg/kg				0.0067	U	0.0072	U	0.0071	U
Atrazine	mg/kg				0.010	U	0.011	U	0.011	U
Benzaldehyde	mg/kg				0.018	U	0.019	U	0.019	U
Caprolactam	mg/kg				0.024	U	0.026	U	0.025	U
N-Nitrosodiphenylamine	mg/kg				0.0077	U	0.0083	U	0.0081	U
Total Conc	mg/kg				0.0		0.015		0.066	
Total Estimated Conc. (TICs)	mg/kg				6.6		1.1		30.0	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-8(7.5-8)		S-9 (2.5-3)		S-10 (5.5-6)	
SAMPLING DATE					7/17/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-186947-5		460-187026-1		460-187026-2	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS										
Acenaphthene	mg/kg	100	100	20	0.028	U	0.029	U	0.031	U
1,2,4-Trichlorobenzene	mg/kg									
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.0056	U	0.0058	U	0.0062	U
Bis(2-chloroethyl)ether	mg/kg				0.0046	U	0.0047	U	0.0051	U
2-Chloronaphthalene	mg/kg				0.018	U	0.018	U	0.020	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1						
1,3-Dichlorobenzene	mg/kg	17	49	2.4						
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8						
3,3'-Dichlorobenzidine	mg/kg				0.058	U	0.059	U	0.064	U
2,4-Dinitrotoluene	mg/kg				0.019	U	0.020	U	0.022	U
2,6-Dinitrotoluene	mg/kg				0.012	U	0.013	U	0.014	U
Fluoranthene	mg/kg	100	100	100	0.0050	U	0.0051	U	0.0055	U
4-Chlorophenyl phenyl ether	mg/kg				0.0060	U	0.0062	U	0.0067	U
4-Bromophenyl phenyl ether	mg/kg				0.0049	U	0.0051	U	0.0055	U
Bis(2-chloroisopropyl)ether	mg/kg									
Bis(2-chloroethoxy)methane	mg/kg				0.013	U	0.013	U	0.015	U
Hexachlorobutadiene	mg/kg				0.0081	U	0.0084	U	0.0091	U
Hexachlorocyclopentadiene	mg/kg				0.033	U	0.034	U *	0.037	U *
Hexachloroethane	mg/kg				0.0059	U	0.0061	U	0.0066	U
Isophorone	mg/kg				0.010	U	0.010	U *	0.011	U *
Naphthalene	mg/kg	100	100	12	0.0066	U	0.0068	U	0.0074	U
Nitrobenzene	mg/kg				0.0092	U	0.0094	U	0.010	U
NDPA/DPA	mg/kg									
n-Nitrosodi-n-propylamine	mg/kg				0.0061	U	0.0063	U	0.0068	U
Bis(2-ethylhexyl)phthalate	mg/kg				0.020	U	0.021	U	0.023	U
Butyl benzyl phthalate	mg/kg				0.018	U	0.018	U	0.020	U
Di-n-butylphthalate	mg/kg				0.067	U	0.069	U	0.075	U
Di-n-octylphthalate	mg/kg				0.020	U	0.021	U	0.023	U
Diethyl phthalate	mg/kg				0.0055	U	0.0057	U	0.0062	U
Dimethyl phthalate	mg/kg				0.0046	U	0.0047	U	0.0051	U
Benzo(a)anthracene	mg/kg	1	1	1	0.013	U	0.014	U	0.015	U
Benzo(a)pyrene	mg/kg	1	1	1	0.010	U	0.010	U	0.011	U
Benzo(b)fluoranthene	mg/kg	1	1	1	0.0099	U	0.010	U	0.011	U
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.0075	U	0.0077	U	0.0084	U
Chrysene	mg/kg	1	3.9	1	0.0064	U	0.0066	U	0.0072	U
Acenaphthylene	mg/kg	100	100	100	0.0039	U	0.0041	U	0.0044	U
Anthracene	mg/kg	100	100	100	0.0043	U	0.0044	U	0.0048	U
Benzo(ghi)perylene	mg/kg	100	100	100	0.011	U	0.012	U	0.013	U
Fluorene	mg/kg	100	100	30	0.0052	U	0.0053	U	0.0058	U
Phenanthrene	mg/kg	100	100	100	0.0067	U	0.0069	U	0.0075	U
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.017	U	0.017	U	0.018	U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.015	U	0.015	U	0.017	U
Pyrene	mg/kg	100	100	100	0.0095	U	0.0098	U	0.011	U
Biphenyl	mg/kg				0.0051	U	0.0052	U	0.0057	U
4-Chloroaniline	mg/kg				0.027	U	0.027	U	0.030	U
2-Nitroaniline	mg/kg				0.014	U	0.015	U	0.016	U
3-Nitroaniline	mg/kg				0.021	U	0.021	U	0.023	U
4-Nitroaniline	mg/kg				0.014	U	0.015	U	0.016	U
Dibenzofuran	mg/kg	14	59	7	0.0054	U	0.0055	U	0.0060	U
2-Methylnaphthalene	mg/kg	0.41			0.0048	U	0.0049	U	0.0053	U
1,2,4,5-Tetrachlorobenzene	mg/kg				0.0050	U	0.0051	U	0.0056	U
Acetophenone	mg/kg				0.0062	U	0.0063	U	0.0069	U
2,4,6-Trichlorophenol	mg/kg				0.019	U	0.020	U	0.021	U
p-Chloro-m-cresol	mg/kg									
2-Chlorophenol	mg/kg				0.0053	U	0.0055	U	0.0060	U
2,4-Dichlorophenol	mg/kg				0.0081	U	0.0083	U	0.0090	U
2,4-Dimethylphenol	mg/kg				0.017	U	0.017	U	0.019	U
2-Nitrophenol	mg/kg				0.012	U	0.013	U	0.014	U
4-Nitrophenol	mg/kg				0.062	U	0.064	U	0.069	U
2,4-Dinitrophenol	mg/kg				0.19	U	0.19	U	0.21	U
4,6-Dinitro-o-cresol	mg/kg									
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.078	U	0.30	J	0.087	U
Phenol	mg/kg	100	100	0.33	0.0057	U	0.0058	U	0.0063	U
2-Methylphenol	mg/kg	100	100	0.33	0.0062	U	0.0063	U	0.0069	U
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.0065	U	0.0067	U	0.0073	U
2,4,5-Trichlorophenol	mg/kg				0.013	U	0.013	U	0.014	U
Benzoic Acid	mg/kg									
Benzyl Alcohol	mg/kg									
Carbazole	mg/kg				0.0045	U	0.0046	U	0.0050	U
1,4-Dioxane	mg/kg	9.8	13	0.1						
2,2'-oxybis[1-chloropropane]	mg/kg				0.0069	U	0.0071	U	0.0077	U
2,3,4,6-Tetrachlorophenol	mg/kg				0.026	U	0.027	U	0.029	U
4,6-Dinitro-2-methylphenol	mg/kg				0.062	U	0.064	U	0.069	U
4-Chloro-3-methylphenol	mg/kg				0.0063	U	0.0065	U	0.0071	U
Atrazine	mg/kg				0.0096	U	0.0099	U	0.011	U
Benzaldehyde	mg/kg				0.017	U	0.017	U	0.019	U
Caprolactam	mg/kg				0.023	U	0.024	U	0.025	U
N-Nitrosodiphenylamine	mg/kg				0.0073	U	0.0075	U	0.0081	U
Total Conc	mg/kg				0.0		0.3		0.0	
Total Estimated Conc. (TICs)	mg/kg				0.67		0.91		5.14	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-11 (2.5-3)		S-12 (2-2.5)		S-13 (4-4.5)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-3		460-187026-4		460-187026-5	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS										
Acenaphthene	mg/kg	100	100	20	0.029	U	0.027	U F1	0.027	U
1,2,4-Trichlorobenzene	mg/kg									
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.0059	U	0.0055	U	0.0055	U
Bis(2-chloroethyl)ether	mg/kg				0.0049	U	0.0046	U F1	0.0045	U
2-Chloronaphthalene	mg/kg				0.019	U	0.017	U F1	0.017	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1						
1,3-Dichlorobenzene	mg/kg	17	49	2.4						
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8						
3,3'-Dichlorobenzidine	mg/kg				0.061	U	0.057	U	0.057	U
2,4-Dinitrotoluene	mg/kg				0.020	U	0.019	U F1	0.019	U
2,6-Dinitrotoluene	mg/kg				0.013	U	0.012	U F1	0.012	U
Fluoranthene	mg/kg	100	100	100	0.0052	U	0.0049	U F1	0.0049	U
4-Chlorophenyl phenyl ether	mg/kg				0.0063	U	0.0059	U F1	0.0059	U
4-Bromophenyl phenyl ether	mg/kg				0.0052	U	0.0049	U	0.0049	U
Bis(2-chloroisopropyl)ether	mg/kg									
Bis(2-chloroethoxy)methane	mg/kg				0.014	U	0.013	U F1	0.013	U
Hexachlorobutadiene	mg/kg				0.0086	U	0.0080	U F1	0.0080	U
Hexachlorocyclopentadiene	mg/kg				0.035	U *	0.033	U * F1	0.033	U *
Hexachloroethane	mg/kg				0.0062	U	0.0058	U F1	0.0058	U
Isophorone	mg/kg				0.011	U *	0.0099	U * F1	0.0099	U *
Naphthalene	mg/kg	100	100	12	0.0070	U	0.0065	U F1	0.0065	U
Nitrobenzene	mg/kg				0.0097	U	0.0091	U F1	0.0090	U
NDPA/DPA	mg/kg									
n-Nitrosodi-n-propylamine	mg/kg				0.0064	U	0.0060	U F1	0.0060	U
Bis(2-ethylhexyl)phthalate	mg/kg				0.021	U	0.020	U F1	0.020	U
Butyl benzyl phthalate	mg/kg				0.019	U	0.018	U F1	0.018	U
Di-n-butylphthalate	mg/kg				0.071	U	0.067	U F1	0.066	U
Di-n-octylphthalate	mg/kg				0.021	U	0.020	U	0.020	U
Diethyl phthalate	mg/kg				0.0058	U	0.0055	U F1	0.0054	U
Dimethyl phthalate	mg/kg				0.0049	U	0.0045	U F1	0.0045	U
Benzo(a)anthracene	mg/kg	1	1	1	0.014	U	0.013	U F1	0.013	U
Benzo(a)pyrene	mg/kg	1	1	1	0.011	U	0.010	U F1	0.010	U
Benzo(b)fluoranthene	mg/kg	1	1	1	0.010	U	0.0098	U F1	0.0097	U
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.0079	U	0.0074	U F1	0.0074	U
Chrysene	mg/kg	1	3.9	1	0.0068	U	0.0064	U F1	0.0063	U
Acenaphthylene	mg/kg	100	100	100	0.0042	U	0.0039	U F1	0.0039	U
Anthracene	mg/kg	100	100	100	0.0045	U	0.0042	U F1	0.0042	U
Benzo(ghi)perylene	mg/kg	100	100	100	0.012	U	0.011	U	0.011	U
Fluorene	mg/kg	100	100	30	0.0055	U	0.0051	U F1	0.0051	U
Phenanthrene	mg/kg	100	100	100	0.0071	U	0.0066	U F1	0.0066	U
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.017	U	0.016	U	0.016	U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.016	U	0.015	U	0.015	U
Pyrene	mg/kg	100	100	100	0.010	U	0.0094	U F1	0.0093	U
Biphenyl	mg/kg				0.0053	U	0.0050	U F1	0.0050	U
4-Chloroaniline	mg/kg				0.028	U	0.026	U	0.026	U
2-Nitroaniline	mg/kg				0.015	U	0.014	U F1	0.014	U
3-Nitroaniline	mg/kg				0.022	U	0.020	U	0.020	U
4-Nitroaniline	mg/kg				0.015	U	0.014	U	0.014	U
Dibenzofuran	mg/kg	14	59	7	0.0057	U	0.0053	U F1	0.0053	U
2-Methylnaphthalene	mg/kg	0.41			0.0050	U	0.0047	U F1	0.0047	U
1,2,4,5-Tetrachlorobenzene	mg/kg				0.0053	U	0.0049	U F1	0.0049	U
Acetophenone	mg/kg				0.0065	U	0.0061	U F1	0.0061	U
2,4,6-Trichlorophenol	mg/kg				0.020	U	0.019	U F1	0.019	U
p-Chloro-m-cresol	mg/kg									
2-Chlorophenol	mg/kg				0.0056	U	0.0053	U F1	0.0053	U
2,4-Dichlorophenol	mg/kg				0.0085	U	0.0080	U F1	0.0079	U
2,4-Dimethylphenol	mg/kg				0.018	U	0.017	U F1	0.017	U
2-Nitrophenol	mg/kg				0.013	U	0.012	U F1	0.012	U
4-Nitrophenol	mg/kg				0.066	U	0.061	U	0.061	U
2,4-Dinitrophenol	mg/kg				0.20	U	0.19	U F1	0.18	U
4,6-Dinitro-o-cresol	mg/kg									
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.082	U	0.077	U F1	0.077	U
Phenol	mg/kg	100	100	0.33	0.0060	U	0.0056	U F1	0.0056	U
2-Methylphenol	mg/kg	100	100	0.33	0.0065	U	0.0061	U F1	0.0061	U
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.0069	U	0.0064	U F1	0.0064	U
2,4,5-Trichlorophenol	mg/kg				0.013	U	0.012	U F1	0.012	U
Benzoic Acid	mg/kg									
Benzyl Alcohol	mg/kg									
Carbazole	mg/kg				0.0047	U	0.0044	U F1	0.0044	U
1,4-Dioxane	mg/kg	9.8	13	0.1						
2,2'-oxybis[1-chloropropane]	mg/kg				0.0073	U	0.0068	U F1	0.0068	U
2,3,4,6-Tetrachlorophenol	mg/kg				0.027	U	0.026	U F1	0.025	U
4,6-Dinitro-2-methylphenol	mg/kg				0.065	U	0.061	U F1	0.061	U
4-Chloro-3-methylphenol	mg/kg				0.0067	U	0.0063	U F1	0.0062	U
Atrazine	mg/kg				0.010	U	0.0095	U	0.0095	U
Benzaldehyde	mg/kg				0.018	U	0.016	U F1	0.016	U
Caprolactam	mg/kg				0.024	U	0.023	U	0.022	U
N-Nitrosodiphenylamine	mg/kg				0.0077	U	0.0072	U F1	0.0072	U
Total Conc	mg/kg				0.0		0.0		0.0	
Total Estimated Conc. (TICs)	mg/kg				7.73		6.2		0.58	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-14 (1.5-2)		S-15 (3-3.5)		S-16 (1.5-2)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-6		460-187026-7		460-187026-8	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS										
Acenaphthene	mg/kg	100	100	20	0.027	U	0.030	U	0.030	U
1,2,4-Trichlorobenzene	mg/kg									
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.0055	U	0.0060	U	0.0061	U
Bis(2-chloroethyl)ether	mg/kg				0.0045	U	0.0049	U	0.0050	U
2-Chloronaphthalene	mg/kg				0.017	U	0.019	U	0.019	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1						
1,3-Dichlorobenzene	mg/kg	17	49	2.4						
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8						
3,3'-Dichlorobenzidine	mg/kg				0.056	U	0.061	U	0.063	U
2,4-Dinitrotoluene	mg/kg				0.019	U	0.021	U	0.021	U
2,6-Dinitrotoluene	mg/kg				0.012	U	0.013	U	0.013	U
Fluoranthene	mg/kg	100	100	100	0.0048	U	0.0053	U	0.0054	U
4-Chlorophenyl phenyl ether	mg/kg				0.0059	U	0.0064	U	0.0065	U
4-Bromophenyl phenyl ether	mg/kg				0.0048	U	0.0053	U	0.0054	U
Bis(2-chloroisopropyl)ether	mg/kg									
Bis(2-chloroethoxy)methane	mg/kg				0.013	U	0.014	U	0.014	U
Hexachlorobutadiene	mg/kg				0.0079	U	0.0086	U	0.0088	U
Hexachlorocyclopentadiene	mg/kg				0.033	U *	0.036	U *	0.036	U *
Hexachloroethane	mg/kg				0.0058	U	0.0063	U	0.0064	U
Isophorone	mg/kg				0.0098	U *	0.011	U *	0.011	U *
Naphthalene	mg/kg	100	100	12	0.0064	U	0.0070	U	0.0072	U
Nitrobenzene	mg/kg				0.0090	U	0.0098	U	0.010	U
NDPA/DPA	mg/kg									
n-Nitrosodi-n-propylamine	mg/kg				0.0059	U	0.0065	U	0.0066	U
Bis(2-ethylhexyl)phthalate	mg/kg				0.020	U	0.021	U	0.022	U
Butyl benzyl phthalate	mg/kg				0.017	U	0.019	U	0.019	U
Di-n-butylphthalate	mg/kg				0.066	U	0.072	U	0.073	U
Di-n-octylphthalate	mg/kg				0.020	U	0.022	U	0.022	U
Diethyl phthalate	mg/kg				0.0054	U	0.0059	U	0.0060	U
Dimethyl phthalate	mg/kg				0.0045	U	0.0049	U	0.0050	U
Benzo(a)anthracene	mg/kg	1	1	1	0.013	U	0.014	U	0.014	U
Benzo(a)pyrene	mg/kg	1	1	1	0.0099	U	0.011	U	0.011	U
Benzo(b)fluoranthene	mg/kg	1	1	1	0.0096	U	0.011	U	0.011	U
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.0073	U	0.0080	U	0.0081	U
Chrysene	mg/kg	1	3.9	1	0.0063	U	0.0069	U	0.0070	U
Acenaphthylene	mg/kg	100	100	100	0.0039	U	0.0042	U	0.0043	U
Anthracene	mg/kg	100	100	100	0.0042	U	0.0045	U	0.0046	U
Benzo(ghi)perylene	mg/kg	100	100	100	0.011	U	0.012	U	0.012	U
Fluorene	mg/kg	100	100	30	0.0051	U	0.0055	U	0.0056	U
Phenanthrene	mg/kg	100	100	100	0.0066	U	0.0071	U	0.0073	U
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.016	U	0.018	U	0.018	U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.015	U	0.016	U	0.016	U
Pyrene	mg/kg	100	100	100	0.0093	U	0.010	U	0.010	U
Biphenyl	mg/kg				0.0050	U	0.0054	U	0.0055	U
4-Chloroaniline	mg/kg				0.026	U	0.028	U	0.029	U
2-Nitroaniline	mg/kg				0.014	U	0.015	U	0.015	U
3-Nitroaniline	mg/kg				0.020	U	0.022	U	0.022	U
4-Nitroaniline	mg/kg				0.014	U	0.015	U	0.015	U
Dibenzofuran	mg/kg	14	59	7	0.0052	U	0.0057	U	0.0058	U
2-Methylnaphthalene	mg/kg	0.41			0.0047	U	0.0051	U	0.0052	U
1,2,4,5-Tetrachlorobenzene	mg/kg				0.0049	U	0.0053	U	0.0054	U
Acetophenone	mg/kg				0.0060	U	0.0066	U	0.0067	U
2,4,6-Trichlorophenol	mg/kg				0.019	U	0.020	U	0.021	U
p-Chloro-m-cresol	mg/kg									
2-Chlorophenol	mg/kg				0.0052	U	0.0057	U	0.0058	U
2,4-Dichlorophenol	mg/kg				0.0079	U	0.0086	U	0.0088	U
2,4-Dimethylphenol	mg/kg				0.016	U	0.018	U	0.018	U
2-Nitrophenol	mg/kg				0.012	U	0.013	U	0.013	U
4-Nitrophenol	mg/kg				0.061	U	0.066	U	0.068	U
2,4-Dinitrophenol	mg/kg				0.18	U	0.20	U	0.20	U
4,6-Dinitro-o-cresol	mg/kg									
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.076	U	0.083	U	0.085	U
Phenol	mg/kg	100	100	0.33	0.0055	U	0.0060	U	0.0061	U
2-Methylphenol	mg/kg	100	100	0.33	0.0060	U	0.0066	U	0.0067	U
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.0064	U	0.0069	U	0.0071	U
2,4,5-Trichlorophenol	mg/kg				0.012	U	0.013	U	0.014	U
Benzoic Acid	mg/kg									
Benzyl Alcohol	mg/kg									
Carbazole	mg/kg				0.0044	U	0.0048	U	0.0049	U
1,4-Dioxane	mg/kg	9.8	13	0.1						
2,2'-oxybis[1-chloropropane]	mg/kg				0.0067	U	0.0074	U	0.0075	U
2,3,4,6-Tetrachlorophenol	mg/kg				0.025	U	0.028	U	0.028	U
4,6-Dinitro-2-methylphenol	mg/kg				0.061	U	0.066	U	0.067	U
4-Chloro-3-methylphenol	mg/kg				0.0062	U	0.0068	U	0.0069	U
Atrazine	mg/kg				0.0094	U	0.010	U	0.010	U
Benzaldehyde	mg/kg				0.016	U	0.018	U	0.018	U
Caprolactam	mg/kg				0.022	U	0.024	U	0.025	U
N-Nitrosodiphenylamine	mg/kg				0.0071	U	0.0078	U	0.0079	U
Total Conc	mg/kg				0.0		0.0		0.0	
Total Estimated Conc. (TICs)	mg/kg				2.67		12.0		25.0	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-17 (2-2.5)		S-18 (3.5-4)		S-19 (3-3.5)	
SAMPLING DATE					7/18/2019		7/18/2019		7/19/2019	
LAB SAMPLE ID					460-187026-9		460-187026-10		460-187054-3	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS										
Acenaphthene	mg/kg	100	100	20	0.030	U	0.028	U	0.030	U
1,2,4-Trichlorobenzene	mg/kg									
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.0060	U	0.0057	U	0.0060	U
Bis(2-chloroethyl)ether	mg/kg				0.0049	U	0.0047	U	0.0050	U
2-Chloronaphthalene	mg/kg				0.019	U	0.018	U	0.019	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1						
1,3-Dichlorobenzene	mg/kg	17	49	2.4						
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8						
3,3'-Dichlorobenzidine	mg/kg				0.061	U	0.059	U	0.062	U
2,4-Dinitrotoluene	mg/kg				0.021	U	0.020	U	0.021	U
2,6-Dinitrotoluene	mg/kg				0.013	U	0.013	U	0.013	U
Fluoranthene	mg/kg	100	100	100	0.090	J	0.24	J	0.041	J
4-Chlorophenyl phenyl ether	mg/kg				0.0064	U	0.0061	U	0.0065	U
4-Bromophenyl phenyl ether	mg/kg				0.0053	U	0.0050	U	0.0053	U
Bis(2-chloroisopropyl)ether	mg/kg									
Bis(2-chloroethoxy)methane	mg/kg				0.014	U	0.013	U	0.014	U
Hexachlorobutadiene	mg/kg				0.0086	U	0.0083	U	0.0088	U
Hexachlorocyclopentadiene	mg/kg				0.036	U *	0.034	U	0.036	U
Hexachloroethane	mg/kg				0.0063	U	0.0060	U	0.0064	U
Isophorone	mg/kg				0.011	U *	0.010	U	0.011	U
Naphthalene	mg/kg	100	100	12	0.0070	U	0.026	J	0.0071	U
Nitrobenzene	mg/kg				0.0097	U	0.0093	U	0.0099	U
NDPA/DPA	mg/kg									
n-Nitrosodi-n-propylamine	mg/kg				0.0065	U	0.0062	U	0.0066	U
Bis(2-ethylhexyl)phthalate	mg/kg				0.021	U	0.021	U	0.022	U
Butyl benzyl phthalate	mg/kg				0.019	U	0.018	U	0.019	U
Di-n-butylphthalate	mg/kg				0.072	U	0.069	U	0.073	U
Di-n-octylphthalate	mg/kg				0.021	U	0.021	U	0.022	U
Diethyl phthalate	mg/kg				0.0059	U	0.0056	U	0.0060	U
Dimethyl phthalate	mg/kg				0.0049	U	0.0047	U	0.0050	U
Benzo(a)anthracene	mg/kg	1	1	1	0.054		0.14		0.036	J
Benzo(a)pyrene	mg/kg	1	1	1	0.038	J	0.14		0.026	J
Benzo(b)fluoranthene	mg/kg	1	1	1	0.058		0.21		0.029	J
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.024	J	0.090		0.018	J
Chrysene	mg/kg	1	3.9	1	0.040	J	0.17	J	0.025	J
Acenaphthylene	mg/kg	100	100	100	0.0042	U	0.0040	U	0.0043	U
Anthracene	mg/kg	100	100	100	0.0045	U	0.027	J	0.0046	U
Benzo(ghi)perylene	mg/kg	100	100	100	0.021	J	0.12	J	0.012	J
Fluorene	mg/kg	100	100	30	0.0055	U	0.0053	U	0.0056	U
Phenanthrene	mg/kg	100	100	100	0.020	J	0.10	J	0.017	J
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.018	U	0.038	J	0.018	U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.024	J	0.12		0.016	J
Pyrene	mg/kg	100	100	100	0.080	J	0.25	J	0.054	J
Biphenyl	mg/kg				0.0054	U	0.0052	U	0.0055	U
4-Chloroaniline	mg/kg				0.028	U	0.027	U	0.029	U
2-Nitroaniline	mg/kg				0.015	U	0.015	U	0.015	U
3-Nitroaniline	mg/kg				0.022	U	0.021	U	0.022	U
4-Nitroaniline	mg/kg				0.015	U	0.014	U	0.015	U
Dibenzofuran	mg/kg	14	59	7	0.0057	U	0.0055	U	0.0058	U
2-Methylnaphthalene	mg/kg	0.41			0.0051	U	0.029	J	0.0052	U
1,2,4,5-Tetrachlorobenzene	mg/kg				0.0053	U	0.0051	U	0.0054	U
Acetophenone	mg/kg				0.0065	U	0.0063	U	0.0067	U
2,4,6-Trichlorophenol	mg/kg				0.020	U	0.020	U	0.021	U
p-Chloro-m-cresol	mg/kg									
2-Chlorophenol	mg/kg				0.0057	U	0.0054	U	0.0058	U
2,4-Dichlorophenol	mg/kg				0.0086	U	0.0082	U	0.0087	U
2,4-Dimethylphenol	mg/kg				0.018	U	0.017	U	0.018	U
2-Nitrophenol	mg/kg				0.013	U	0.012	U	0.013	U
4-Nitrophenol	mg/kg				0.066	U	0.063	U	0.067	U
2,4-Dinitrophenol	mg/kg				0.20	U	0.19	U	0.20	U
4,6-Dinitro-o-cresol	mg/kg									
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.083	U	0.080	U	0.085	U
Phenol	mg/kg	100	100	0.33	0.0060	U	0.0058	U	0.0061	U
2-Methylphenol	mg/kg	100	100	0.33	0.0065	U	0.0063	U	0.0067	U
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.0069	U	0.0066	U	0.0070	U
2,4,5-Trichlorophenol	mg/kg				0.013	U	0.013	U	0.014	U
Benzoic Acid	mg/kg									
Benzyl Alcohol	mg/kg									
Carbazole	mg/kg				0.0048	U	0.018	J	0.0048	U
1,4-Dioxane	mg/kg	9.8	13	0.1						
2,2'-oxybis[1-chloropropane]	mg/kg				0.0073	U	0.0070	U	0.0075	U
2,3,4,6-Tetrachlorophenol	mg/kg				0.028	U	0.026	U	0.028	U
4,6-Dinitro-2-methylphenol	mg/kg				0.066	U	0.063	U	0.067	U
4-Chloro-3-methylphenol	mg/kg				0.0067	U	0.0065	U	0.0069	U
Atrazine	mg/kg				0.010	U	0.0098	U	0.010	U
Benzaldehyde	mg/kg				0.018	U	0.017	U	0.018	U
Caprolactam	mg/kg				0.024	U	0.023	U	0.025	U
N-Nitrosodiphenylamine	mg/kg				0.0078	U	0.0074	U	0.0079	U
Total Conc	mg/kg				0.449		1.718		0.274	
Total Estimated Conc. (TICs)	mg/kg				16.0		1.2		69.0	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-20 (2-2.5)		S-21 (1.5-2)		S-22 (1.5-2)	
SAMPLING DATE					7/19/2019		7/19/2019		7/19/2019	
LAB SAMPLE ID					460-187054-4		460-187054-5		460-187054-6	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS										
Acenaphthene	mg/kg	100	100	20	0.030	U	0.029	U	0.030	U
1,2,4-Trichlorobenzene	mg/kg									
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.0060	U	0.0058	U	0.0060	U
Bis(2-chloroethyl)ether	mg/kg				0.0049	U	0.0047	U	0.0050	U
2-Chloronaphthalene	mg/kg				0.019	U	0.018	U	0.019	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1						
1,3-Dichlorobenzene	mg/kg	17	49	2.4						
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8						
3,3'-Dichlorobenzidine	mg/kg				0.062	U	0.059	U	0.062	U
2,4-Dinitrotoluene	mg/kg				0.021	U	0.020	U	0.021	U
2,6-Dinitrotoluene	mg/kg				0.013	U	0.013	U	0.013	U
Fluoranthene	mg/kg	100	100	100	0.0053	U	0.021	J	0.18	J
4-Chlorophenyl phenyl ether	mg/kg				0.0064	U	0.0062	U	0.0065	U
4-Bromophenyl phenyl ether	mg/kg				0.0053	U	0.0051	U	0.0053	U
Bis(2-chloroisopropyl)ether	mg/kg									
Bis(2-chloroethoxy)methane	mg/kg				0.014	U	0.013	U	0.014	U
Hexachlorobutadiene	mg/kg				0.0087	U				
Hexachlorocyclopentadiene	mg/kg				0.036	U	0.034	U	0.036	U
Hexachloroethane	mg/kg				0.0063	U	0.0061	U	0.0063	U
Isophorone	mg/kg				0.011	U	0.010	U	0.011	U
Naphthalene	mg/kg	100	100	12	0.0071	U	0.0068	U	0.0071	U
Nitrobenzene	mg/kg				0.0098	U	0.0094	U	0.0098	U
NDPA/DPA	mg/kg									
n-Nitrosodi-n-propylamine	mg/kg				0.0065	U	0.0063	U	0.0065	U
Bis(2-ethylhexyl)phthalate	mg/kg				0.022	U	0.12	J	0.12	J
Butyl benzyl phthalate	mg/kg				0.019	U	0.018	U	0.044	J
Di-n-butylphthalate	mg/kg				0.072	U	0.069	U	0.072	U
Di-n-octylphthalate	mg/kg				0.022	U	0.021	U	0.022	U
Diethyl phthalate	mg/kg				0.0059	U	0.0057	U	0.0059	U
Dimethyl phthalate	mg/kg				0.0049	U	0.0047	U	0.0049	U
Benzo(a)anthracene	mg/kg	1	1	1	0.014	U	0.021	J	0.11	
Benzo(a)pyrene	mg/kg	1	1	1	0.011	U	0.010	U	0.092	
Benzo(b)fluoranthene	mg/kg	1	1	1	0.011	U	0.012	J	0.14	
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.0080	U	0.0077	U	0.070	
Chrysene	mg/kg	1	3.9	1	0.0069	U	0.016	J	0.12	J
Acenaphthylene	mg/kg	100	100	100	0.0042	U	0.0041	U	0.013	J
Anthracene	mg/kg	100	100	100	0.0046	U	0.0044	U	0.0046	U
Benzo(ghi)perylene	mg/kg	100	100	100	0.012	U	0.012	U	0.056	J
Fluorene	mg/kg	100	100	30	0.0055	U	0.0053	U	0.0056	U
Phenanthrene	mg/kg	100	100	100	0.0072	U	0.023	J	0.069	J
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.018	U	0.017	U	0.018	J
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.016	U	0.015	U	0.075	
Pyrene	mg/kg	100	100	100	0.010	U	0.025	J	0.19	J
Biphenyl	mg/kg				0.0054	U	0.0052	U	0.0054	U
4-Chloroaniline	mg/kg				0.029	U	0.027	U	0.029	U
2-Nitroaniline	mg/kg				0.015	U	0.015	U	0.015	U
3-Nitroaniline	mg/kg				0.022	U	0.021	U	0.022	U
4-Nitroaniline	mg/kg				0.015	U	0.015	U	0.015	U
Dibenzofuran	mg/kg	14	59	7	0.0057	U	0.0055	U	0.0058	U
2-Methylnaphthalene	mg/kg	0.41			0.0051	U	0.0049	U	0.0051	U
1,2,4,5-Tetrachlorobenzene	mg/kg				0.0053	U	0.0051	U	0.0054	U
Acetophenone	mg/kg				0.0066	U	0.0063	U	0.0066	U
2,4,6-Trichlorophenol	mg/kg				0.021	U	0.020	U	0.021	U
p-Chloro-m-cresol	mg/kg									
2-Chlorophenol	mg/kg				0.0057	U	0.0055	U	0.0057	U
2,4-Dichlorophenol	mg/kg				0.0086	U	0.0083	U	0.0087	U
2,4-Dimethylphenol	mg/kg				0.018	U	0.017	U	0.018	U
2-Nitrophenol	mg/kg				0.013	U	0.013	U	0.013	U
4-Nitrophenol	mg/kg				0.066	U	0.064	U	0.067	U
2,4-Dinitrophenol	mg/kg				0.20	U	0.19	U	0.20	U
4,6-Dinitro-o-cresol	mg/kg									
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.084	U	0.080	U	0.084	U
Phenol	mg/kg	100	100	0.33	0.0060	U	0.0058	U	0.0061	U
2-Methylphenol	mg/kg	100	100	0.33	0.0066	U	0.0063	U	0.0066	U
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.0070	U	0.0067	U	0.0070	U
2,4,5-Trichlorophenol	mg/kg				0.013	U	0.013	U	0.014	U
Benzoic Acid	mg/kg									
Benzyl Alcohol	mg/kg									
Carbazole	mg/kg				0.0048	U	0.0046	U	0.012	J
1,4-Dioxane	mg/kg	9.8	13	0.1						
2,2'-oxybis[1-chloropropane]	mg/kg				0.0074	U	0.0071	U	0.0074	U
2,3,4,6-Tetrachlorophenol	mg/kg				0.028	U	0.027	U	0.028	U
4,6-Dinitro-2-methylphenol	mg/kg				0.066	U	0.064	U	0.067	U
4-Chloro-3-methylphenol	mg/kg				0.0068	U	0.0065	U	0.0068	U
Atrazine	mg/kg				0.010	U	0.0099	U	0.010	U
Benzaldehyde	mg/kg				0.018	U	0.017	U	0.018	U
Caprolactam	mg/kg				0.024	U	0.024	U	0.025	U
N-Nitrosodiphenylamine	mg/kg				0.0078	U	0.0075	U	0.0078	U
Total Conc	mg/kg				0.0		0.238		1.309	
Total Estimated Conc. (TICs)	mg/kg				343.0		185.26		1158.29	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-23 (1-1.5)		SB-27 (5-5.5)		SB-28 (5-5.5)	
SAMPLING DATE					7/19/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID					460-187054-7		L1941489-01		L1941489-02	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS										
Acenaphthene	mg/kg	100	100	20	0.026	U	0.19	U	0.16	U
1,2,4-Trichlorobenzene	mg/kg						0.23	U	0.2	U
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.0052	U	0.14	U	0.12	U
Bis(2-chloroethyl)ether	mg/kg				0.0043	U	0.21	U	0.18	U
2-Chloronaphthalene	mg/kg				0.017	U	0.23	U	0.2	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1			0.23	U	0.2	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4			0.23	U	0.2	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8			0.23	U	0.2	U
3,3'-Dichlorobenzidine	mg/kg				0.054	U	0.23	U	0.2	U
2,4-Dinitrotoluene	mg/kg				0.018	U	0.23	U	0.2	U
2,6-Dinitrotoluene	mg/kg				0.012	U	0.23	U	0.2	U
Fluoranthene	mg/kg	100	100	100	0.0046	U	0.08	J	0.12	U
4-Chlorophenyl phenyl ether	mg/kg				0.0056	U	0.23	U	0.2	U
4-Bromophenyl phenyl ether	mg/kg				0.0046	U	0.23	U	0.2	U
Bis(2-chloroisopropyl)ether	mg/kg						0.28	U	0.24	U
Bis(2-chloroethoxy)methane	mg/kg				0.012	U	0.25	U	0.22	U
Hexachlorobutadiene	mg/kg						0.23	U	0.2	U
Hexachlorocyclopentadiene	mg/kg				0.031	U	0.67	U	0.58	U
Hexachloroethane	mg/kg				0.0055	U	0.19	U	0.16	U
Isophorone	mg/kg				0.0094	U	0.21	U	0.18	U
Naphthalene	mg/kg	100	100	12	0.0062	U	0.23	U	0.2	U
Nitrobenzene	mg/kg				0.0086	U	0.21	U	0.18	U
NDPA/DPA	mg/kg						0.19	U	0.16	U
n-Nitrosodi-n-propylamine	mg/kg				0.0057	U	0.23	U	0.2	U
Bis(2-ethylhexyl)phthalate	mg/kg				0.027	J	0.23	U	0.2	U
Butyl benzyl phthalate	mg/kg				0.017	U	0.23	U	0.2	U
Di-n-butylphthalate	mg/kg				0.063	U	0.23	U	0.2	U
Di-n-octylphthalate	mg/kg				0.019	U	0.23	U	0.2	U
Diethyl phthalate	mg/kg				0.0052	U	0.23	U	0.2	U
Dimethyl phthalate	mg/kg				0.0043	U	0.23	U	0.2	U
Benzo(a)anthracene	mg/kg	1	1	1	0.012	U	0.059	J	0.12	U
Benzo(a)pyrene	mg/kg	1	1	1	0.0095	U	0.19	U	0.16	U
Benzo(b)fluoranthene	mg/kg	1	1	1	0.0093	U	0.07	J	0.12	U
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.0070	U	0.14	U	0.12	U
Chrysene	mg/kg	1	3.9	1	0.0060	U	0.048	J	0.12	U
Acenaphthylene	mg/kg	100	100	100	0.0037	U	0.19	U	0.16	U
Anthracene	mg/kg	100	100	100	0.0040	U	0.14	U	0.12	U
Benzo(ghi)perylene	mg/kg	100	100	100	0.011	U	0.031	J	0.16	U
Fluorene	mg/kg	100	100	30	0.0049	U	0.23	U	0.2	U
Phenanthrene	mg/kg	100	100	100	0.0063	U	0.073	J	0.12	U
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.015	U	0.14	U	0.12	U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.014	U	0.038	J	0.16	U
Pyrene	mg/kg	100	100	100	0.0089	U	0.07	J	0.12	U
Biphenyl	mg/kg				0.0047	U	0.53	U	0.46	U
4-Chloroaniline	mg/kg				0.025	U	0.23	U	0.2	U
2-Nitroaniline	mg/kg				0.013	U	0.23	U	0.2	U
3-Nitroaniline	mg/kg				0.019	U	0.23	U	0.2	U
4-Nitroaniline	mg/kg				0.013	U	0.23	U	0.2	U
Dibenzofuran	mg/kg	14	59	7	0.0050	U	0.23	U	0.2	U
2-Methylnaphthalene	mg/kg	0.41			0.0045	U	0.28	U	0.24	U
1,2,4,5-Tetrachlorobenzene	mg/kg				0.0047	U	0.23	U	0.2	U
Acetophenone	mg/kg				0.0058	U	0.23	U	0.2	U
2,4,6-Trichlorophenol	mg/kg				0.018	U	0.14	U	0.12	U
p-Chloro-m-cresol	mg/kg						0.23	U	0.2	U
2-Chlorophenol	mg/kg				0.0050	U	0.23	U	0.2	U
2,4-Dichlorophenol	mg/kg				0.0076	U	0.21	U	0.18	U
2,4-Dimethylphenol	mg/kg				0.016	U	0.23	U	0.2	U
2-Nitrophenol	mg/kg				0.011	U	0.5	U	0.44	U
4-Nitrophenol	mg/kg				0.058	U	0.33	U	0.28	U
2,4-Dinitrophenol	mg/kg				0.18	U	1.1	U	0.98	U
4,6-Dinitro-o-cresol	mg/kg						0.61	U	0.53	U
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.073	U	0.19	U	0.16	U
Phenol	mg/kg	100	100	0.33	0.0053	U	0.23	U	0.2	U
2-Methylphenol	mg/kg	100	100	0.33	0.0058	U	0.23	U	0.2	U
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.0061	U	0.34	U	0.29	U
2,4,5-Trichlorophenol	mg/kg				0.012	U	0.23	U	0.2	U
Benzoic Acid	mg/kg						0.76	U	0.66	U
Benzyl Alcohol	mg/kg						0.23	U	0.2	U
Carbazole	mg/kg				0.0042	U	0.23	U	0.2	U
1,4-Dioxane	mg/kg	9.8	13	0.1			0.035	U	0.03	U
2,2'-oxybis[1-chloropropane]	mg/kg				0.0065	U				
2,3,4,6-Tetrachlorophenol	mg/kg				0.024	U				
4,6-Dinitro-2-methylphenol	mg/kg				0.058	U				
4-Chloro-3-methylphenol	mg/kg				0.0059	U				
Atrazine	mg/kg				0.0090	U				
Benzaldehyde	mg/kg				0.016	U				
Caprolactam	mg/kg				0.021	U				
N-Nitrosodiphenylamine	mg/kg				0.0068	U				
Total Conc	mg/kg				0.027					
Total Estimated Conc. (TICs)	mg/kg				361.0					

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 6
500 Main Street, New Rochelle, NY
Semi-Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-29 (7-7.5)		SB-26 (7.5-8)		SB-26 (1.5-2)		SB-29 (2-2.5)	
SAMPLING DATE					9/11/2019		9/11/2019		9/12/2019		9/12/2019	
LAB SAMPLE ID					L1941489-03		L1941489-04		L1941891-04		L1941891-05	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semivolatile Organics by GC/MS												
Acenaphthene	mg/kg	100	100	20	0.15	U	0.15	U	0.15	U	0.033	J
1,2,4-Trichlorobenzene	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Hexachlorobenzene	mg/kg	0.33	1.2	0.33	0.11	U	0.11	U	0.11	U	0.11	U
Bis(2-chloroethyl)ether	mg/kg				0.17	U	0.17	U	0.17	U	0.16	U
2-Chloronaphthalene	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.19	U	0.19	U	0.19	U	0.18	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.19	U	0.19	U	0.19	U	0.18	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.19	U	0.19	U	0.19	U	0.18	U
3,3'-Dichlorobenzidine	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
2,4-Dinitrotoluene	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
2,6-Dinitrotoluene	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Fluoranthene	mg/kg	100	100	100	0.11	U	0.11	U	0.045	J	0.7	
4-Chlorophenyl phenyl ether	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
4-Bromophenyl phenyl ether	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Bis(2-chloroisopropyl)ether	mg/kg				0.22	U	0.23	U	0.23	U	0.22	U
Bis(2-chloroethoxy)methane	mg/kg				0.2	U	0.2	U	0.2	U	0.2	U
Hexachlorobutadiene	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Hexachlorocyclopentadiene	mg/kg				0.54	U	0.54	U	0.54	U	0.52	U
Hexachloroethane	mg/kg				0.15	U	0.15	U	0.15	U	0.14	U
Isophorone	mg/kg				0.17	U	0.17	U	0.17	U	0.16	U
Naphthalene	mg/kg	100	100	12	0.19	U	0.19	U	0.19	U	0.18	U
Nitrobenzene	mg/kg				0.17	U	0.17	U	0.17	U	0.16	U
NDPA/DPA	mg/kg				0.15	U	0.15	U	0.15	U	0.14	U
n-Nitrosodi-n-propylamine	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Bis(2-ethylhexyl)phthalate	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Butyl benzyl phthalate	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Di-n-butylphthalate	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Di-n-octylphthalate	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Diethyl phthalate	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Dimethyl phthalate	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Benzo(a)anthracene	mg/kg	1	1	1	0.11	U	0.11	U	0.03	J	0.33	
Benzo(a)pyrene	mg/kg	1	1	1	0.15	U	0.15	U	0.15	U	0.26	
Benzo(b)fluoranthene	mg/kg	1	1	1	0.11	U	0.11	U	0.039	J	0.36	
Benzo(k)fluoranthene	mg/kg	1	3.9	0.8	0.11	U	0.11	U	0.11	U	0.13	
Chrysene	mg/kg	1	3.9	1	0.11	U	0.11	U	0.027	J	0.3	
Acenaphthylene	mg/kg	100	100	100	0.15	U	0.15	U	0.15	U	0.14	U
Anthracene	mg/kg	100	100	100	0.11	U	0.11	U	0.11	U	0.11	
Benzo(ghi)perylene	mg/kg	100	100	100	0.15	U	0.15	U	0.022	J	0.17	
Fluorene	mg/kg	100	100	30	0.19	U	0.19	U	0.19	U	0.029	J
Phenanthrene	mg/kg	100	100	100	0.11	U	0.11	U	0.11	U	0.41	
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.11	U	0.11	U	0.11	U	0.044	J
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.15	U	0.15	U	0.15	U	0.18	
Pyrene	mg/kg	100	100	100	0.11	U	0.11	U	0.043	J	0.57	
Biphenyl	mg/kg				0.43	U	0.43	U	0.43	U	0.41	U
4-Chloroaniline	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
2-Nitroaniline	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
3-Nitroaniline	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
4-Nitroaniline	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Dibenzofuran	mg/kg	14	59	7	0.19	U	0.19	U	0.19	U	0.18	U
2-Methylnaphthalene	mg/kg	0.41			0.22	U	0.23	U	0.23	U	0.22	U
1,2,4,5-Tetrachlorobenzene	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Acetophenone	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
2,4,6-Trichlorophenol	mg/kg				0.11	U	0.11	U	0.11	U	0.11	U
p-Chloro-m-cresol	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
2-Chlorophenol	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
2,4-Dichlorophenol	mg/kg				0.17	U	0.17	U	0.17	U	0.16	U
2,4-Dimethylphenol	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
2-Nitrophenol	mg/kg				0.41	U	0.41	U	0.41	U	0.39	U
4-Nitrophenol	mg/kg				0.26	U	0.26	U	0.26	U	0.25	U
2,4-Dinitrophenol	mg/kg				0.9	U	0.91	U	0.91	U	0.87	U
4,6-Dinitro-o-cresol	mg/kg				0.49	U	0.49	U	0.49	U	0.47	U
Pentachlorophenol	mg/kg	2.4	6.7	0.8	0.15	U	0.15	U	0.15	U	0.14	U
Phenol	mg/kg	100	100	0.33	0.19	U	0.19	U	0.19	U	0.18	U
2-Methylphenol	mg/kg	100	100	0.33	0.19	U	0.19	U	0.19	U	0.18	U
3-Methylphenol/4-Methylphenol	mg/kg	34	100	0.33	0.27	U	0.27	U	0.27	U	0.26	U
2,4,5-Trichlorophenol	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Benzoic Acid	mg/kg				0.61	U	0.61	U	0.61	U	0.59	U
Benzyl Alcohol	mg/kg				0.19	U	0.19	U	0.19	U	0.18	U
Carbazole	mg/kg				0.19	U	0.19	U	0.19	U	0.027	J
1,4-Dioxane	mg/kg	9.8	13	0.1	0.028	U	0.028	U	0.028	U	0.027	U
2,2'-oxybis[1-chloropropane]	mg/kg											
2,3,4,6-Tetrachlorophenol	mg/kg											
4,6-Dinitro-2-methylphenol	mg/kg											
4-Chloro-3-methylphenol	mg/kg											
Atrazine	mg/kg											
Benzaldehyde	mg/kg											
Caprolactam	mg/kg											
N-Nitrosodiphenylamine	mg/kg											
Total Conc	mg/kg											
Total Estimated Conc. (TICs)	mg/kg											

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-1(2.5-3.0)		SB-1(4.5-5.0)		SB-2(1.5-2.0)		SB-2(3-3.5)		SB-3(3.5-4.0)	
SAMPLING DATE					7/16/2019		7/16/2019		7/16/2019		7/16/2019		7/16/2019	
LAB SAMPLE ID					460-186859-1		460-186859-2		460-186859-3		460-186859-4		460-186859-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035														
Methylene chloride	mg/kg	51	100	0.05	0.00048	U	0.00052	U	0.022	U	0.018	U	0.00051	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00021	U	0.00023	U	0.025	U	0.021	U	0.00023	U
Chloroform	mg/kg	10	49	0.37	0.00033	U	0.00035	U	0.023	U	0.019	U	0.00035	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00040	U	0.00043	U	0.034	U	0.029	U	0.00043	U
1,2-Dichloropropane	mg/kg				0.00044	U	0.00047	U	0.019	U	0.016	U	0.00047	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00018	U	0.00020	U	0.0083	U	0.0070	U	0.00020	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00015	U	0.00016	U	0.037	U	0.032	U	0.00016	U
Chlorobenzene	mg/kg	100	100	1.1	0.00018	U	0.00020	U	0.025	U	0.021	U	0.00020	U
Trichlorofluoromethane	mg/kg				0.00042	J	0.00045	U	0.033	U	0.028	U	0.00048	J
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00030	U	0.00033	U	0.026	U	0.022	U	0.00033	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00024	U	0.00026	U	0.029	U	0.025	U	0.00026	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00027	U	0.00030	U	0.020	U	0.017	U	0.00029	U
cis-1,3-Dichloropropene	mg/kg				0.00028	U	0.00030	U	0.023	U	0.019	U	0.00030	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00044	U	0.00047	U	0.019	U	0.016	U	0.00047	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00022	U	0.00024	U	0.020	U	0.017	U	0.00024	U
Benzene	mg/kg	2.9	4.8	0.06	0.00027	U	0.00029	U	0.021	U	0.018	U	0.00029	U
Toluene	mg/kg	100	100	0.7	0.00024	U	0.00026	U	0.026	U	0.022	U	0.00026	U
Ethylbenzene	mg/kg	30	41	1	0.00020	U	0.00022	U	0.047	J	0.041	J	0.00022	U
Chloromethane	mg/kg				0.00045	U	0.00048	U	0.042	U	0.035	U	0.00048	U
Bromomethane	mg/kg				0.00049	U	0.00053	U	0.057	U	0.049	U	0.00053	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00056	U	0.00061	U	0.021	U	0.018	U	0.00060	U
Chloroethane	mg/kg				0.00054	U	0.00058	U	0.038	U	0.032	U	0.00058	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00023	U	0.00025	U	0.027	U	0.023	U	0.00025	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00025	U	0.00027	U	0.019	U	0.016	U	0.00027	U
Trichloroethene	mg/kg	10	21	0.47	0.00015	U	0.00016	U	0.023	U	0.019	U	0.00016	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00015	U	0.00016	U	0.023	U	0.019	U	0.00016	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00016	U	0.00018	U	0.034	U	0.029	U	0.00018	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00023	U	0.00025	U	0.035	U	0.029	U	0.00025	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00013	U	0.00014	U	0.013	U	0.011	U	0.00014	U
p/m-Xylene	mg/kg				0.00018	U	0.00019	U	0.071	J	0.079	J	0.00019	U
o-Xylene	mg/kg				0.00020	U	0.00022	U	0.050	J	0.040	J	0.00021	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00016	U	0.00017	U	0.027	U	0.023	U	0.00017	U
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00029	U	0.00031	U	0.018	U	0.015	U	0.00031	U
Dichlorodifluoromethane	mg/kg				0.00035	U	0.00038	U	0.032	U	0.027	U	0.00037	U
Acetone	mg/kg	100	100	0.05	0.0059	U	0.0064	U	0.46	U	0.39	U	0.0098	
Carbon disulfide	mg/kg				0.00027	U	0.00030	U	0.070	U	0.059	U	0.00029	U
2-Butanone	mg/kg	100	100	0.12	0.0028	U	0.0030	U	0.23	U	0.19	U	0.0030	U
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0016	U	0.0017	U	0.14	U	0.11	U	0.0017	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0018	U	0.0019	U	0.12	U	0.099	U	0.0019	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00047	U	0.00051	U	0.024	U	0.020	U	0.00051	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00013	U	0.00014	U	0.053	J	0.12		0.00014	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00019	U	0.00020	U	0.036	U	0.031	U	0.00020	U
1,2,4-Trichlorobenzene	mg/kg				0.00037	U	0.00040	U	0.028	U	0.024	U	0.00040	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0095	U	0.010	U	0.90	U	0.76	U	0.010	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-1(2.5-3.0)		SB-1(4.5-5.0)		SB-2(1.5-2.0)		SB-2(3-3.5)		SB-3(3.5-4.0)	
SAMPLING DATE					7/16/2019		7/16/2019		7/16/2019		7/16/2019		7/16/2019	
LAB SAMPLE ID					460-186859-1		460-186859-2		460-186859-3		460-186859-4		460-186859-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035 High														
Methylene chloride	mg/kg	51	100	0.05	0.00048	U	0.00052	U	0.022	U	0.018	U	0.00051	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00021	U	0.00023	U	0.025	U	0.021	U	0.00023	U
Chloroform	mg/kg	10	49	0.37	0.00033	U	0.00035	U	0.023	U	0.019	U	0.00035	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00040	U	0.00043	U	0.034	U	0.029	U	0.00043	U
1,2-Dichloropropane	mg/kg				0.00044	U	0.00047	U	0.019	U	0.016	U	0.00047	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00018	U	0.00020	U	0.0083	U	0.0070	U	0.00020	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00015	U	0.00016	U	0.037	U	0.032	U	0.00016	U
Chlorobenzene	mg/kg	100	100	1.1	0.00018	U	0.00020	U	0.025	U	0.021	U	0.00020	U
Trichlorofluoromethane	mg/kg				0.00042	J	0.00045	U	0.033	U	0.028	U	0.00048	J
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00030	U	0.00033	U	0.026	U	0.022	U	0.00033	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00024	U	0.00026	U	0.029	U	0.025	U	0.00026	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00027	U	0.00030	U	0.020	U	0.017	U	0.00029	U
cis-1,3-Dichloropropene	mg/kg				0.00028	U	0.00030	U	0.023	U	0.019	U	0.00030	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00044	U	0.00047	U	0.019	U	0.016	U	0.00047	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00022	U	0.00024	U	0.020	U	0.017	U	0.00024	U
Benzene	mg/kg	2.9	4.8	0.06	0.00027	U	0.00029	U	0.021	U	0.018	U	0.00029	U
Toluene	mg/kg	100	100	0.7	0.00024	U	0.00026	U	0.026	U	0.022	U	0.00026	U
Ethylbenzene	mg/kg	30	41	1	0.00020	U	0.00022	U	0.047	J	0.041	J	0.00022	U
Chloromethane	mg/kg				0.00045	U	0.00048	U	0.042	U	0.035	U	0.00048	U
Bromomethane	mg/kg				0.00049	U	0.00053	U	0.057	U	0.049	U	0.00053	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00056	U	0.00061	U	0.021	U	0.018	U	0.00060	U
Chloroethane	mg/kg				0.00054	U	0.00058	U	0.038	U	0.032	U	0.00058	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00023	U	0.00025	U	0.027	U	0.023	U	0.00025	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00025	U	0.00027	U	0.019	U	0.016	U	0.00027	U
Trichloroethene	mg/kg	10	21	0.47	0.00015	U	0.00016	U	0.023	U	0.019	U	0.00016	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00015	U	0.00016	U	0.023	U	0.019	U	0.00016	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00016	U	0.00018	U	0.034	U	0.029	U	0.00018	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00023	U	0.00025	U	0.035	U	0.029	U	0.00025	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00013	U	0.00014	U	0.013	U	0.011	U	0.00014	U
p/m-Xylene	mg/kg				0.00018	U	0.00019	U	0.071	J	0.079	J	0.00019	U
o-Xylene	mg/kg				0.00020	U	0.00022	U	0.050	J	0.040	J	0.00021	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00016	U	0.00017	U	0.027	U	0.023	U	0.00017	U
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00029	U	0.00031	U	0.018	U	0.015	U	0.00031	U
Dichlorodifluoromethane	mg/kg				0.00035	U	0.00038	U	0.032	U	0.027	U	0.00037	U
Acetone	mg/kg	100	100	0.05	0.0059	U	0.0064	U	0.46	U	0.39	U	0.0098	
Carbon disulfide	mg/kg				0.00027	U	0.00030	U	0.070	U	0.059	U	0.00029	U
2-Butanone	mg/kg	100	100	0.12	0.0028	U	0.0030	U	0.23	U	0.19	U	0.0030	U
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0016	U	0.0017	U	0.14	U	0.11	U	0.0017	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0018	U	0.0019	U	0.12	U	0.099	U	0.0019	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00047	U	0.00051	U	0.024	U	0.020	U	0.00051	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00013	U	0.00014	U	0.053	J	0.12		0.00014	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00019	U	0.00020	U	0.036	U	0.031	U	0.00020	U
1,2,4-Trichlorobenzene	mg/kg				0.00037	U	0.00040	U	0.028	U	0.024	U	0.00040	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0095	U	0.010	U	0.90	U	0.76	U	0.010	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													
1,1,2-Trichloro-1,2,2-trifluoroethane		100			0.00031	U	0.00033	U	0.035	U	0.030	U	0.00033	U
Chlorobromomethane					0.00029	U	0.00031	U	0.031	U	0.026	U	0.00031	U
Chlorodibromomethane					0.00020	U	0.00022	U	0.023	U	0.019	U	0.00021	U
Cyclohexane					0.00023	U	0.00025	U	0.035	J	0.032	J	0.00024	U
Dichlorobromomethane					0.00026	U	0.00029	U	0.016	U	0.013	U	0.00028	U
Ethylene Dibromide					0.00019	U	0.00020	U	0.020	U	0.017	U	0.00020	U
Methyl acetate					0.0044	U	0.0048	U	0.081	U	0.069	U	0.0048	U
Methylcyclohexane					0.00051	U	0.00056	U	0.26		0.41		0.00055	U
Total Conc					0.00042		0.0		0.516		0.722		0.01028	
Total Estimated Conc. (TICs)					0.0*T		0.0*T		46.3		74.9		0.0073	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
* : LCS or LCSD is outside acceptance limits.
*T There are no TICs reported for the sample

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-4(4-4.5)		S-5(2-2.5)		S-6(5-5.5)		S-7(2.5-3)		S-8(7.5-8)	
SAMPLING DATE					7/17/2019		7/17/2019		7/17/2019		7/17/2019		7/17/2019	
LAB SAMPLE ID					460-186947-1		460-186947-2		460-186947-3		460-186947-4		460-186947-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035														
Methylene chloride	mg/kg	51	100	0.05	0.00048	U	0.00043	U	0.00056	U	0.00052	U	0.00043	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00021	U	0.00019	U	0.00025	U	0.00023	U	0.00019	U
Chloroform	mg/kg	10	49	0.37	0.00033	U	0.00029	U	0.00038	U	0.00036	U	0.00029	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00040	U	0.00036	U	0.00046	U	0.00044	U	0.00036	U
1,2-Dichloropropane	mg/kg				0.00044	U	0.00039	U	0.00051	U	0.00048	U	0.00039	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00018	U	0.00016	U	0.00021	U	0.00020	U	0.00016	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00015	U	0.00013	U	0.00065	J	0.00016	U	0.00013	U
Chlorobenzene	mg/kg	100	100	1.1	0.00018	U	0.00016	U	0.00021	U	0.00020	U	0.00016	U
Trichlorofluoromethane	mg/kg				0.00042	U	0.00038	U	0.00049	U	0.00046	U	0.00038	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00031	U	0.00027	U	0.00036	U	0.00033	U	0.00027	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00024	U	0.00022	U	0.00028	U	0.00026	U	0.00022	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00028	U	0.00025	U	0.00032	U	0.00030	U	0.00025	U
cis-1,3-Dichloropropene	mg/kg				0.00028	U	0.00025	U	0.00033	U	0.00031	U	0.00025	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00044	U	0.00039	U	0.00051	U	0.00048	U	0.00039	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00022	U	0.00020	U	0.00026	U	0.00024	U	0.00020	U
Benzene	mg/kg	2.9	4.8	0.06	0.00027	U	0.00024	U	0.00031	U	0.00029	U	0.00024	U
Toluene	mg/kg	100	100	0.7	0.00024	U	0.00022	U	0.00028	U	0.00026	U	0.00022	U
Ethylbenzene	mg/kg	30	41	1	0.00021	U	0.00018	U	0.00024	U	0.00022	U	0.00018	U
Chloromethane	mg/kg				0.00045	U	0.00040	U	0.00052	U	0.00049	U	0.00040	U
Bromomethane	mg/kg				0.00049	U	0.00044	U	0.00057	U	0.00053	U	0.00044	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00056	U	0.00050	U	0.00066	U	0.00061	U	0.00050	U
Chloroethane	mg/kg				0.00054	U	0.00048	U	0.00063	U	0.00059	U	0.00048	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00023	U	0.00021	U	0.00027	U	0.00025	U	0.00021	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00025	U	0.00023	U	0.00030	U	0.00028	U	0.00023	U
Trichloroethene	mg/kg	10	21	0.47	0.00015	U	0.00013	U	0.00017	J	0.00016	U	0.00024	J
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00015	U	0.00013	U	0.00017	U	0.00016	U	0.00013	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00016	U	0.00015	U	0.00019	U	0.00018	U	0.00015	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00023	U	0.00021	U	0.00027	U	0.00025	U	0.00021	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00013	U	0.00012	U	0.00015	U	0.00014	U	0.00012	U
p/m-Xylene	mg/kg				0.00018	U	0.00016	U	0.00021	U	0.00020	U	0.00016	U
o-Xylene	mg/kg				0.00020	U	0.00018	U	0.00023	U	0.00022	U	0.00018	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00016	U	0.00014	U	0.00018	U	0.00017	U	0.00095	
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00029	U	0.00026	U	0.00033	U	0.00031	U	0.00026	U
Dichlorodifluoromethane	mg/kg				0.00035	U *	0.00031	U *	0.00041	U *	0.00038	U *	0.00031	U *
Acetone	mg/kg	100	100	0.05	0.0059	U	0.0053	U	0.0069	U	0.0064	U	0.0053	U
Carbon disulfide	mg/kg				0.00028	U	0.00025	U	0.00032	U	0.00030	U	0.00025	U
2-Butanone	mg/kg	100	100	0.12	0.0028	U	0.0025	U	0.0033	U	0.0030	U	0.0025	U
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0016	U	0.0014	U	0.0019	U	0.0017	U	0.0014	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0018	U	0.0016	U	0.0021	U	0.0019	U	0.0016	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00048	U	0.00043	U	0.00055	U	0.00052	U	0.00043	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00013	U	0.00012	U	0.00015	U	0.00014	U	0.00012	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00019	U	0.00017	U	0.00022	U	0.00020	U	0.00017	U
1,2,4-Trichlorobenzene	mg/kg				0.00037	U	0.00033	U	0.00043	U	0.00040	U	0.00033	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0095	U	0.0085	U	0.011	U	0.010	U	0.0085	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-4(4-4.5)		S-5(2-2.5)		S-6(5-5.5)		S-7(2.5-3)		S-8(7.5-8)	
SAMPLING DATE					7/17/2019		7/17/2019		7/17/2019		7/17/2019		7/17/2019	
LAB SAMPLE ID					460-186947-1		460-186947-2		460-186947-3		460-186947-4		460-186947-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035 High														
Methylene chloride	mg/kg	51	100	0.05	0.00048	U	0.00043	U	0.00056	U	0.00052	U	0.00043	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00021	U	0.00019	U	0.00025	U	0.00023	U	0.00019	U
Chloroform	mg/kg	10	49	0.37	0.00033	U	0.00029	U	0.00038	U	0.00036	U	0.00029	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00040	U	0.00036	U	0.00046	U	0.00044	U	0.00036	U
1,2-Dichloropropane	mg/kg				0.00044	U	0.00039	U	0.00051	U	0.00048	U	0.00039	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00018	U	0.00016	U	0.00021	U	0.00020	U	0.00016	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00015	U	0.00013	U	0.00065	J	0.00016	U	0.00013	U
Chlorobenzene	mg/kg	100	100	1.1	0.00018	U	0.00016	U	0.00021	U	0.00020	U	0.00016	U
Trichlorofluoromethane	mg/kg				0.00042	U	0.00038	U	0.00049	U	0.00046	U	0.00038	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00031	U	0.00027	U	0.00036	U	0.00033	U	0.00027	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00024	U	0.00022	U	0.00028	U	0.00026	U	0.00022	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00028	U	0.00025	U	0.00032	U	0.00030	U	0.00025	U
cis-1,3-Dichloropropene	mg/kg				0.00028	U	0.00025	U	0.00033	U	0.00031	U	0.00025	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00044	U	0.00039	U	0.00051	U	0.00048	U	0.00039	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00022	U	0.00020	U	0.00026	U	0.00024	U	0.00020	U
Benzene	mg/kg	2.9	4.8	0.06	0.00027	U	0.00024	U	0.00031	U	0.00029	U	0.00024	U
Toluene	mg/kg	100	100	0.7	0.00024	U	0.00022	U	0.00028	U	0.00026	U	0.00022	U
Ethylbenzene	mg/kg	30	41	1	0.00021	U	0.00018	U	0.00024	U	0.00022	U	0.00018	U
Chloromethane	mg/kg				0.00045	U	0.00040	U	0.00052	U	0.00049	U	0.00040	U
Bromomethane	mg/kg				0.00049	U	0.00044	U	0.00057	U	0.00053	U	0.00044	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00056	U	0.00050	U	0.00066	U	0.00061	U	0.00050	U
Chloroethane	mg/kg				0.00054	U	0.00048	U	0.00063	U	0.00059	U	0.00048	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00023	U	0.00021	U	0.00027	U	0.00025	U	0.00021	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00025	U	0.00023	U	0.00030	U	0.00028	U	0.00023	U
Trichloroethene	mg/kg	10	21	0.47	0.00015	U	0.00013	U	0.00017	J	0.00016	U	0.00024	J
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00015	U	0.00013	U	0.00017	U	0.00016	U	0.00013	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00016	U	0.00015	U	0.00019	U	0.00018	U	0.00015	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00023	U	0.00021	U	0.00027	U	0.00025	U	0.00021	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00013	U	0.00012	U	0.00015	U	0.00014	U	0.00012	U
p/m-Xylene	mg/kg				0.00018	U	0.00016	U	0.00021	U	0.00020	U	0.00016	U
o-Xylene	mg/kg				0.00020	U	0.00018	U	0.00023	U	0.00022	U	0.00018	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00016	U	0.00014	U	0.00018	U	0.00017	U	0.00095	
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00029	U	0.00026	U	0.00033	U	0.00031	U	0.00026	U
Dichlorodifluoromethane	mg/kg				0.00035	U *	0.00031	U *	0.00041	U *	0.00038	U *	0.00031	U *
Acetone	mg/kg	100	100	0.05	0.0059	U	0.0053	U	0.0069	U	0.0064	U	0.0053	U
Carbon disulfide	mg/kg				0.00028	U	0.00025	U	0.00032	U	0.00030	U	0.00025	U
2-Butanone	mg/kg	100	100	0.12	0.0028	U	0.0025	U	0.0033	U	0.0030	U	0.0025	U
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0016	U	0.0014	U	0.0019	U	0.0017	U	0.0014	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0018	U	0.0016	U	0.0021	U	0.0019	U	0.0016	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00048	U	0.00043	U	0.00055	U	0.00052	U	0.00043	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00013	U	0.00012	U	0.00015	U	0.00014	U	0.00012	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00019	U	0.00017	U	0.00022	U	0.00020	U	0.00017	U
1,2,4-Trichlorobenzene	mg/kg				0.00037	U	0.00033	U	0.00043	U	0.00040	U	0.00033	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0095	U	0.0085	U	0.011	U	0.010	U	0.0085	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													
1,1,2-Trichloro-1,2,2-trifluoroethane		100			0.00031	U	0.00028	U	0.00036	U	0.00034	U	0.00028	U
Chlorobromomethane					0.00029	U	0.00026	U	0.00034	U	0.00032	U	0.00026	U
Chlorodibromomethane					0.00020	U	0.00018	U	0.00023	U	0.00022	U	0.00018	U
Cyclohexane					0.00023	U	0.00020	U	0.00027	U	0.00025	U	0.00020	U
Dichlorobromomethane					0.00027	U	0.00024	U	0.00031	U	0.00029	U	0.00024	U
Ethylene Dibromide					0.00019	U	0.00017	U	0.00022	U	0.00020	U	0.00017	U
Methyl acetate					0.0044	U	0.0040	U	0.0052	U	0.0048	U	0.0040	U
Methylcyclohexane					0.00052	U	0.00046	U	0.00060	U	0.00056	U	0.00046	U
Total Conc					0.0		0.0		0.00082		0.0		0.00119	
Total Estimated Conc. (TICs)					0.0*T		0.0*T		0.0*T		0.287		0.0*T	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
* : LCS or LCSD is outside acceptance limits.
*T There are no TICs reported for the sample

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-9 (2.5-3)		S-10 (5.5-6)		S-11 (2.5-3)		S-12 (2-2.5)		S-13 (4-4.5)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-1		460-187026-2		460-187026-3		460-187026-4		460-187026-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035														
Methylene chloride	mg/kg	51	100	0.05	0.00048	U	0.00050	U	0.00044	U	0.00042	U	0.00041	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00022	U	0.00022	U	0.00020	U	0.00019	U	0.00018	U
Chloroform	mg/kg	10	49	0.37	0.00033	U	0.00034	U	0.00031	U	0.00029	U	0.00028	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00040	U	0.00042	U	0.00037	U	0.00035	U	0.00034	U
1,2-Dichloropropane	mg/kg				0.00044	U	0.00045	U	0.00041	U	0.00038	U	0.00038	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00019	U	0.00019	U	0.00017	U	0.00016	U	0.00016	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00015	U	0.00015	U	0.00014	U	0.00013	U	0.00013	U
Chlorobenzene	mg/kg	100	100	1.1	0.00018	U	0.00019	U	0.00017	U	0.00016	U	0.00016	U
Trichlorofluoromethane	mg/kg				0.00042	U	0.00044	U	0.00039	U	0.00037	U	0.00036	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00031	U	0.00032	U	0.00028	U	0.00027	U	0.00026	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00024	U	0.00025	U	0.00022	U	0.00021	U	0.00021	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00028	U	0.00029	U	0.00025	U	0.00024	U	0.00024	U
cis-1,3-Dichloropropene	mg/kg				0.00029	U	0.00029	U	0.00026	U	0.00025	U	0.00024	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00044	U	0.00046	U	0.00041	U	0.00038	U	0.00038	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00022	U	0.00023	U	0.00021	U	0.00019	U	0.00019	U
Benzene	mg/kg	2.9	4.8	0.06	0.00027	U	0.00028	U	0.00025	U	0.00023	U	0.00023	U
Toluene	mg/kg	100	100	0.7	0.00024	U	0.00025	U	0.00022	U	0.00021	U	0.00021	U
Ethylbenzene	mg/kg	30	41	1	0.00021	U	0.00021	U	0.00019	U	0.00018	U	0.00018	U
Chloromethane	mg/kg				0.00045	U	0.00047	U	0.00042	U	0.00039	U	0.00039	U
Bromomethane	mg/kg				0.00050	U	0.00051	U	0.00045	U	0.00043	U	0.00042	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00057	U	0.00059	U	0.00052	U	0.00049	U	0.00048	U
Chloroethane	mg/kg				0.00055	U	0.00056	U	0.00050	U	0.00047	U	0.00046	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00024	U	0.00024	U	0.00022	U	0.00020	U	0.00020	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00026	U	0.00026	U	0.00024	U	0.00022	U	0.00022	U
Trichloroethene	mg/kg	10	21	0.47	0.00015	U	0.00015	U	0.00014	U	0.00013	U	0.00013	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00015	U	0.00015	U	0.00014	U	0.00013	U	0.00013	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00017	U	0.00017	U	0.00015	U	0.00014	U	0.00014	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00024	U	0.00024	U	0.00022	U	0.00020	U	0.00020	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00013	U	0.00013	U	0.00012	U	0.00011	U	0.00011	U
p/m-Xylene	mg/kg				0.00018	U	0.00019	U	0.00017	U	0.00016	U	0.00015	U
o-Xylene	mg/kg				0.00020	U	0.00021	U	0.00019	U	0.00017	U	0.00017	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00059	J	0.0029		0.00015	U	0.00014	U	0.00013	U
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00029	U	0.00030	U	0.00027	U	0.00025	U	0.00025	U
Dichlorodifluoromethane	mg/kg				0.00035	U *	0.00036	U *	0.00032	U *	0.00030	U *	0.00030	U *
Acetone	mg/kg	100	100	0.05	0.0082		0.011		0.025		0.0051	U	0.0051	U
Carbon disulfide	mg/kg				0.00028	U	0.00029	U	0.00078	J	0.00034	J	0.00024	U
2-Butanone	mg/kg	100	100	0.12	0.0028	U	0.0029	U	0.0026	U	0.0024	U	0.0024	U
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0016	U	0.0017	U	0.0015	U	0.0014	U	0.0014	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0018	U	0.0018	U	0.0016	U	0.0015	U	0.0015	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00048	U	0.00049	U	0.00044	U	0.00041	U	0.00041	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00013	U	0.00014	U	0.00012	U	0.00011	U	0.00011	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00019	U	0.00019	U	0.00017	U	0.00016	U	0.00016	U
1,2,4-Trichlorobenzene	mg/kg				0.00037	U	0.00038	U	0.00034	U	0.00032	U	0.00032	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0096	U	0.0099	U	0.0088	U	0.0083	U	0.0082	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-9 (2.5-3)		S-10 (5.5-6)		S-11 (2.5-3)		S-12 (2-2.5)		S-13 (4-4.5)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-1		460-187026-2		460-187026-3		460-187026-4		460-187026-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035 High														
Methylene chloride	mg/kg	51	100	0.05	0.00048	U	0.00050	U	0.00044	U	0.00042	U	0.00041	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00022	U	0.00022	U	0.00020	U	0.00019	U	0.00018	U
Chloroform	mg/kg	10	49	0.37	0.00033	U	0.00034	U	0.00031	U	0.00029	U	0.00028	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00040	U	0.00042	U	0.00037	U	0.00035	U	0.00034	U
1,2-Dichloropropane	mg/kg				0.00044	U	0.00045	U	0.00041	U	0.00038	U	0.00038	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00019	U	0.00019	U	0.00017	U	0.00016	U	0.00016	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00015	U	0.00015	U	0.00014	U	0.00013	U	0.00013	U
Chlorobenzene	mg/kg	100	100	1.1	0.00018	U	0.00019	U	0.00017	U	0.00016	U	0.00016	U
Trichlorofluoromethane	mg/kg				0.00042	U	0.00044	U	0.00039	U	0.00037	U	0.00036	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00031	U	0.00032	U	0.00028	U	0.00027	U	0.00026	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00024	U	0.00025	U	0.00022	U	0.00021	U	0.00021	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00028	U	0.00029	U	0.00025	U	0.00024	U	0.00024	U
cis-1,3-Dichloropropene	mg/kg				0.00029	U	0.00029	U	0.00026	U	0.00025	U	0.00024	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00044	U	0.00046	U	0.00041	U	0.00038	U	0.00038	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00022	U	0.00023	U	0.00021	U	0.00019	U	0.00019	U
Benzene	mg/kg	2.9	4.8	0.06	0.00027	U	0.00028	U	0.00025	U	0.00023	U	0.00023	U
Toluene	mg/kg	100	100	0.7	0.00024	U	0.00025	U	0.00022	U	0.00021	U	0.00021	U
Ethylbenzene	mg/kg	30	41	1	0.00021	U	0.00021	U	0.00019	U	0.00018	U	0.00018	U
Chloromethane	mg/kg				0.00045	U	0.00047	U	0.00042	U	0.00039	U	0.00039	U
Bromomethane	mg/kg				0.00050	U	0.00051	U	0.00045	U	0.00043	U	0.00042	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00057	U	0.00059	U	0.00052	U	0.00049	U	0.00048	U
Chloroethane	mg/kg				0.00055	U	0.00056	U	0.00050	U	0.00047	U	0.00046	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00024	U	0.00024	U	0.00022	U	0.00020	U	0.00020	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00026	U	0.00026	U	0.00024	U	0.00022	U	0.00022	U
Trichloroethene	mg/kg	10	21	0.47	0.00015	U	0.00015	U	0.00014	U	0.00013	U	0.00013	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00015	U	0.00015	U	0.00014	U	0.00013	U	0.00013	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00017	U	0.00017	U	0.00015	U	0.00014	U	0.00014	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00024	U	0.00024	U	0.00022	U	0.00020	U	0.00020	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00013	U	0.00013	U	0.00012	U	0.00011	U	0.00011	U
p/m-Xylene	mg/kg				0.00018	U	0.00019	U	0.00017	U	0.00016	U	0.00015	U
o-Xylene	mg/kg				0.00020	U	0.00021	U	0.00019	U	0.00017	U	0.00017	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00059	J	0.0029		0.00015	U	0.00014	U	0.00013	U
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00029	U	0.00030	U	0.00027	U	0.00025	U	0.00025	U
Dichlorodifluoromethane	mg/kg				0.00035	U *	0.00036	U *	0.00032	U *	0.00030	U *	0.00030	U *
Acetone	mg/kg	100	100	0.05	0.0082		0.011		0.025		0.0051	U	0.0051	U
Carbon disulfide	mg/kg				0.00028	U	0.00029	U	0.00078	J	0.00034	J	0.00024	U
2-Butanone	mg/kg	100	100	0.12	0.0028	U	0.0029	U	0.0026	U	0.0024	U	0.0024	U
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0016	U	0.0017	U	0.0015	U	0.0014	U	0.0014	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0018	U	0.0018	U	0.0016	U	0.0015	U	0.0015	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00048	U	0.00049	U	0.00044	U	0.00041	U	0.00041	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00013	U	0.00014	U	0.00012	U	0.00011	U	0.00011	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00019	U	0.00019	U	0.00017	U	0.00016	U	0.00016	U
1,2,4-Trichlorobenzene	mg/kg				0.00037	U	0.00038	U	0.00034	U	0.00032	U	0.00032	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0096	U	0.0099	U	0.0088	U	0.0083	U	0.0082	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													
1,1,2-Trichloro-1,2,2-trifluoroethane		100			0.00031	U	0.00032	U	0.00029	U	0.00027	U	0.00027	U
Chlorobromomethane					0.00029	U	0.00030	U	0.00027	U	0.00025	U	0.00025	U
Chlorodibromomethane					0.00020	U	0.00021	U	0.00019	U	0.00017	U	0.00017	U
Cyclohexane					0.00023	U	0.00024	U	0.00021	U	0.00020	U	0.00020	U
Dichlorobromomethane					0.00027	U	0.00028	U	0.00025	U	0.00023	U	0.00023	U
Ethylene Dibromide					0.00019	U	0.00019	U	0.00017	U	0.00016	U	0.00016	U
Methyl acetate					0.0045	U *	0.0046	U *	0.0041	U *	0.0039	U	0.0038	U
Methylcyclohexane					0.00052	U	0.00054	U	0.00048	U	0.00045	U	0.00044	U
Total Conc					0.00879		0.0139		0.02578		0.00034		0.0	
Total Estimated Conc. (TICs)					0.0*T		0.0*T		0.1162		0.0*T		0.0*T	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
* : LCS or LCSD is outside acceptance limits.
*T There are no TICs reported for the sample

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-14 (1.5-2)		S-15 (3-3.5)		S-16 (1.5-2)		S-17 (2-2.5)		S-18 (3.5-4)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-6		460-187026-7		460-187026-8		460-187026-9		460-187026-10	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035														
Methylene chloride	mg/kg	51	100	0.05	0.00045	U	0.00046	U	0.00050	U	0.00048	U	0.00048	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00020	U	0.00021	U	0.00022	U	0.00022	U	0.00021	U
Chloroform	mg/kg	10	49	0.37	0.00031	U	0.00032	U	0.00034	U	0.00033	U	0.00033	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00037	U	0.00039	U	0.00042	U	0.00040	U	0.00040	U
1,2-Dichloropropane	mg/kg				0.00041	U	0.00042	U	0.00046	U	0.00044	U	0.00044	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00017	U	0.00018	U	0.00019	U	0.00019	U	0.00018	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00014	U	0.00014	U	0.00015	U	0.00015	U	0.00015	U
Chlorobenzene	mg/kg	100	100	1.1	0.00017	U	0.00018	U	0.00019	U	0.00018	U	0.00018	U
Trichlorofluoromethane	mg/kg				0.00039	U	0.00041	U	0.00044	U	0.00042	U	0.00042	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00028	U	0.00030	U	0.00032	U	0.00031	U	0.00031	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00022	U	0.00023	U	0.00025	U	0.00024	U	0.00024	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00026	U	0.00027	U	0.00029	U	0.00028	U	0.00028	U
cis-1,3-Dichloropropene	mg/kg				0.00026	U	0.00027	U	0.00030	U	0.00029	U	0.00028	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00041	U	0.00043	U	0.00046	U	0.00044	U	0.00044	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00021	U	0.00021	U	0.00023	U	0.00022	U	0.00022	U
Benzene	mg/kg	2.9	4.8	0.06	0.00025	U	0.00026	U	0.00028	U	0.00027	U	0.00027	U
Toluene	mg/kg	100	100	0.7	0.00023	U	0.00023	U	0.00025	U	0.00024	U	0.00024	U
Ethylbenzene	mg/kg	30	41	1	0.00019	U	0.00020	U	0.00022	U	0.00021	U	0.00021	U
Chloromethane	mg/kg				0.00042	U	0.00044	U	0.00047	U	0.00045	U	0.00045	U
Bromomethane	mg/kg				0.00046	U	0.00047	U	0.00051	U	0.00050	U	0.00049	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00053	U	0.00055	U	0.00059	U	0.00057	U	0.00057	U
Chloroethane	mg/kg				0.00050	U	0.00052	U	0.00056	U	0.00055	U	0.00054	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00022	U	0.00023	U	0.00024	U	0.00024	U	0.00023	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00024	U	0.00025	U	0.00027	U	0.00026	U	0.00025	U
Trichloroethene	mg/kg	10	21	0.47	0.00014	U	0.00014	U	0.00016	U	0.00015	U	0.00015	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00014	U	0.00014	U	0.00016	U	0.00015	U	0.00015	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00015	U	0.00016	U	0.00017	U	0.00017	U	0.00016	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00022	U	0.00023	U	0.00024	U	0.00024	U	0.00023	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00076	J	0.00013	U	0.00014	U	0.00013	U	0.00039	J
p/m-Xylene	mg/kg				0.00017	U	0.00017	U	0.00019	U	0.00018	U	0.00018	U
o-Xylene	mg/kg				0.00019	U	0.00019	U	0.00021	U	0.00020	U	0.00020	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00015	U	0.00015	U	0.00016	U	0.00016	U	0.00016	U
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00027	U	0.00028	U	0.00030	U	0.00029	U	0.00029	U
Dichlorodifluoromethane	mg/kg				0.00033	U *	0.00034	U *	0.00037	U *	0.00035	U *	0.00035	U *
Acetone	mg/kg	100	100	0.05	0.015		0.0080		0.012		0.0096		0.031	
Carbon disulfide	mg/kg				0.00036	J	0.00057	J	0.00029	U	0.00028	U	0.00071	J
2-Butanone	mg/kg	100	100	0.12	0.0026	U	0.0027	U	0.0029	U	0.0028	U	0.0088	
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0015	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0016	U	0.0017	U	0.0018	U	0.0018	U	0.0018	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00044	U	0.00046	U	0.00050	U	0.00048	U	0.00048	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00012	U	0.00013	U	0.00014	U	0.00013	U	0.00013	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00017	U	0.00018	U	0.00020	U	0.00019	U	0.00019	U
1,2,4-Trichlorobenzene	mg/kg				0.00034	U	0.00036	U	0.00039	U	0.00037	U	0.00037	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0088	U	0.0092	U	0.0099	U	0.0096	U	0.0095	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-14 (1.5-2)		S-15 (3-3.5)		S-16 (1.5-2)		S-17 (2-2.5)		S-18 (3.5-4)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-6		460-187026-7		460-187026-8		460-187026-9		460-187026-10	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035 High														
Methylene chloride	mg/kg	51	100	0.05	0.00045	U	0.00046	U	0.00050	U	0.00048	U	0.00048	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00020	U	0.00021	U	0.00022	U	0.00022	U	0.00021	U
Chloroform	mg/kg	10	49	0.37	0.00031	U	0.00032	U	0.00034	U	0.00033	U	0.00033	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00037	U	0.00039	U	0.00042	U	0.00040	U	0.00040	U
1,2-Dichloropropane	mg/kg				0.00041	U	0.00042	U	0.00046	U	0.00044	U	0.00044	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00017	U	0.00018	U	0.00019	U	0.00019	U	0.00018	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00014	U	0.00014	U	0.00015	U	0.00015	U	0.00015	U
Chlorobenzene	mg/kg	100	100	1.1	0.00017	U	0.00018	U	0.00019	U	0.00018	U	0.00018	U
Trichlorofluoromethane	mg/kg				0.00039	U	0.00041	U	0.00044	U	0.00042	U	0.00042	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00028	U	0.00030	U	0.00032	U	0.00031	U	0.00031	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00022	U	0.00023	U	0.00025	U	0.00024	U	0.00024	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00026	U	0.00027	U	0.00029	U	0.00028	U	0.00028	U
cis-1,3-Dichloropropene	mg/kg				0.00026	U	0.00027	U	0.00030	U	0.00029	U	0.00028	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00041	U	0.00043	U	0.00046	U	0.00044	U	0.00044	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00021	U	0.00021	U	0.00023	U	0.00022	U	0.00022	U
Benzene	mg/kg	2.9	4.8	0.06	0.00025	U	0.00026	U	0.00028	U	0.00027	U	0.00027	U
Toluene	mg/kg	100	100	0.7	0.00023	U	0.00023	U	0.00025	U	0.00024	U	0.00024	U
Ethylbenzene	mg/kg	30	41	1	0.00019	U	0.00020	U	0.00022	U	0.00021	U	0.00021	U
Chloromethane	mg/kg				0.00042	U	0.00044	U	0.00047	U	0.00045	U	0.00045	U
Bromomethane	mg/kg				0.00046	U	0.00047	U	0.00051	U	0.00050	U	0.00049	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00053	U	0.00055	U	0.00059	U	0.00057	U	0.00057	U
Chloroethane	mg/kg				0.00050	U	0.00052	U	0.00056	U	0.00055	U	0.00054	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00022	U	0.00023	U	0.00024	U	0.00024	U	0.00023	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00024	U	0.00025	U	0.00027	U	0.00026	U	0.00025	U
Trichloroethene	mg/kg	10	21	0.47	0.00014	U	0.00014	U	0.00016	U	0.00015	U	0.00015	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00014	U	0.00014	U	0.00016	U	0.00015	U	0.00015	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00015	U	0.00016	U	0.00017	U	0.00017	U	0.00016	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00022	U	0.00023	U	0.00024	U	0.00024	U	0.00023	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00076	J	0.00013	U	0.00014	U	0.00013	U	0.00039	J
p/m-Xylene	mg/kg				0.00017	U	0.00017	U	0.00019	U	0.00018	U	0.00018	U
o-Xylene	mg/kg				0.00019	U	0.00019	U	0.00021	U	0.00020	U	0.00020	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00015	U	0.00015	U	0.00016	U	0.00016	U	0.00016	U
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00027	U	0.00028	U	0.00030	U	0.00029	U	0.00029	U
Dichlorodifluoromethane	mg/kg				0.00033	U *	0.00034	U *	0.00037	U *	0.00035	U *	0.00035	U *
Acetone	mg/kg	100	100	0.05	0.015		0.0080		0.012		0.0096		0.031	
Carbon disulfide	mg/kg				0.00036	J	0.00057	J	0.00029	U	0.00028	U	0.00071	J
2-Butanone	mg/kg	100	100	0.12	0.0026	U	0.0027	U	0.0029	U	0.0028	U	0.0088	
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0015	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0016	U	0.0017	U	0.0018	U	0.0018	U	0.0018	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00044	U	0.00046	U	0.00050	U	0.00048	U	0.00048	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00012	U	0.00013	U	0.00014	U	0.00013	U	0.00013	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00017	U	0.00018	U	0.00020	U	0.00019	U	0.00019	U
1,2,4-Trichlorobenzene	mg/kg				0.00034	U	0.00036	U	0.00039	U	0.00037	U	0.00037	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0088	U	0.0092	U	0.0099	U	0.0096	U	0.0095	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													
1,1,2-Trichloro-1,2,2-trifluoroethane		100			0.00029	U	0.00030	U	0.00033	U	0.00031	U	0.00031	U
Chlorobromomethane					0.00027	U	0.00028	U	0.00030	U	0.00029	U	0.00029	U
Chlorodibromomethane					0.00019	U	0.00019	U	0.00021	U	0.00020	U	0.00020	U
Cyclohexane					0.00021	U	0.00022	U	0.00024	U	0.00023	U	0.00023	U
Dichlorobromomethane					0.00025	U	0.00026	U	0.00028	U	0.00027	U	0.00027	U
Ethylene Dibromide					0.00017	U	0.00018	U	0.00019	U	0.00019	U	0.00019	U
Methyl acetate					0.0041	U	0.0043	U	0.0046	U	0.0045	U	0.0045	U
Methylcyclohexane					0.00048	U	0.00050	U	0.00054	U	0.00052	U	0.00052	U
Total Conc					0.01612		0.00857		0.012		0.0096		0.0409	
Total Estimated Conc. (TICs)					0.0*T		0.0512		0.042		0.017		0.0*T	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
* : LCS or LCSD is outside acceptance limits.
*T There are no TICs reported for the sample

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-19 (3-3.5)		S-20 (2-2.5)		S-21 (1.5-2)		S-22 (1.5-2)		S-23 (1-1.5)	
SAMPLING DATE					7/19/2019		7/19/2019		7/19/2019		7/19/2019		7/19/2019	
LAB SAMPLE ID					460-187054-3		460-187054-4		460-187054-5		460-187054-6		460-187054-7	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035														
Methylene chloride	mg/kg	51	100	0.05	0.00097	B	0.00089	U	0.00067	U	0.00047	U	0.00050	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00020	U	0.00040	U	0.00030	U	0.00021	U	0.00022	U
Chloroform	mg/kg	10	49	0.37	0.00031	U	0.00062	U	0.0023		0.0010		0.00034	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00037	U	0.00075	U	0.00056	U	0.00039	U	0.00042	U
1,2-Dichloropropane	mg/kg				0.00041	U	0.00082	U	0.00061	U	0.00043	U	0.00046	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00017	U	0.00034	U	0.00026	U	0.00018	U	0.00019	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00014	U	0.00028	U	0.00021	U	0.00014	U	0.00015	U
Chlorobenzene	mg/kg	100	100	1.1	0.00017	U	0.00034	U	0.00025	U	0.00018	U	0.00019	U
Trichlorofluoromethane	mg/kg				0.00039	U	0.00078	U	0.00060	J	0.00051	J	0.00044	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00028	U	0.00057	U	0.00042	U	0.00030	U	0.00032	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00022	U	0.00045	U	0.00033	U	0.00023	U	0.00025	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00026	U	0.00051	U	0.00038	U	0.00027	U	0.00029	U
cis-1,3-Dichloropropene	mg/kg				0.00026	U	0.00053	U	0.00039	U	0.00027	U	0.00029	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00041	U	0.00082	U	0.00061	U	0.00043	U	0.00046	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00021	U	0.00041	U	0.00031	U	0.00022	U	0.00023	U
Benzene	mg/kg	2.9	4.8	0.06	0.00025	U	0.00050	U	0.00051	J	0.00026	U	0.00028	U
Toluene	mg/kg	100	100	0.7	0.00023	U	0.00045	U	0.00034	U	0.00024	U	0.00025	U
Ethylbenzene	mg/kg	30	41	1	0.00019	U	0.00038	U	0.00029	U	0.0013		0.00021	U
Chloromethane	mg/kg				0.00042	U	0.00084	U	0.00062	U	0.00044	U	0.00047	U
Bromomethane	mg/kg				0.00046	U	0.00091	U	0.00068	U	0.00048	U	0.00051	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00053	U	0.0011	U	0.00078	U	0.00055	U	0.00059	U
Chloroethane	mg/kg				0.00050	U	0.0010	U	0.00075	U	0.00053	U	0.00056	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00022	U	0.00043	U	0.00032	U	0.00023	U	0.00024	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00024	U	0.00047	U	0.00035	U	0.00025	U	0.00027	U
Trichloroethene	mg/kg	10	21	0.47	0.00014	U	0.00028	U	0.00021	U	0.00014	U	0.00016	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00014	U	0.00028	U	0.00021	U	0.00014	U	0.00016	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00015	U	0.00031	U	0.00023	U	0.00016	U	0.00017	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00022	U	0.00043	U	0.00032	U	0.00023	U	0.00024	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00048	J	0.0030		0.00018	U	0.00013	U	0.00013	U
p/m-Xylene	mg/kg				0.00017	U	0.00034	U	0.00025	U	0.0057		0.00021	J
o-Xylene	mg/kg				0.00019	U	0.00037	U	0.00028	U	0.0035		0.00021	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00015	U	0.00029	U	0.00022	U	0.00015	U	0.00016	U
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00027	U	0.00054	U	0.00040	U	0.00028	U	0.00030	U
Dichlorodifluoromethane	mg/kg				0.00033	U	0.00065	U	0.00048	U	0.00034	U	0.00036	U
Acetone	mg/kg	100	100	0.05	0.0055	U	0.011	U	0.011		0.018		0.0069	
Carbon disulfide	mg/kg				0.0019		0.0018	J	0.00038	U	0.00073	J	0.00029	U
2-Butanone	mg/kg	100	100	0.12	0.0026	U	0.0052	U	0.0039	U	0.0036	J	0.0029	U
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0015	U	0.0030	U	0.0022	U	0.0016	U	0.0017	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0016	U	0.0033	U	0.0025	U	0.0017	U	0.0018	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00044	U	0.00089	U	0.00066	U	0.00046	U	0.00050	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00015	J	0.00024	U	0.00018	U	0.00013	U	0.00014	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00017	U	0.00035	U	0.00026	U	0.00018	U	0.00020	U
1,2,4-Trichlorobenzene	mg/kg				0.00034	U	0.00069	U	0.00051	U	0.00036	U	0.00039	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0088	U	0.018	U	0.013	U	0.0092	U	0.0099	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-19 (3-3.5)		S-20 (2-2.5)		S-21 (1.5-2)		S-22 (1.5-2)		S-23 (1-1.5)	
SAMPLING DATE					7/19/2019		7/19/2019		7/19/2019		7/19/2019		7/19/2019	
LAB SAMPLE ID					460-187054-3		460-187054-4		460-187054-5		460-187054-6		460-187054-7	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035 High														
Methylene chloride	mg/kg	51	100	0.05	0.00097	B	0.00089	U	0.00067	U	0.00047	U	0.00050	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00020	U	0.00040	U	0.00030	U	0.00021	U	0.00022	U
Chloroform	mg/kg	10	49	0.37	0.00031	U	0.00062	U	0.0023		0.0010		0.00034	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00037	U	0.00075	U	0.00056	U	0.00039	U	0.00042	U
1,2-Dichloropropane	mg/kg				0.00041	U	0.00082	U	0.00061	U	0.00043	U	0.00046	U
Dibromochloromethane	mg/kg													
1,1,2-Trichloroethane	mg/kg				0.00017	U	0.00034	U	0.00026	U	0.00018	U	0.00019	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00014	U	0.00028	U	0.00021	U	0.00014	U	0.00015	U
Chlorobenzene	mg/kg	100	100	1.1	0.00017	U	0.00034	U	0.00025	U	0.00018	U	0.00019	U
Trichlorofluoromethane	mg/kg				0.00039	U	0.00078	U	0.00060	J	0.00051	J	0.00044	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00028	U	0.00057	U	0.00042	U	0.00030	U	0.00032	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00022	U	0.00045	U	0.00033	U	0.00023	U	0.00025	U
Bromodichloromethane	mg/kg													
trans-1,3-Dichloropropene	mg/kg				0.00026	U	0.00051	U	0.00038	U	0.00027	U	0.00029	U
cis-1,3-Dichloropropene	mg/kg				0.00026	U	0.00053	U	0.00039	U	0.00027	U	0.00029	U
1,3-Dichloropropene, Total	mg/kg													
1,1-Dichloropropene	mg/kg													
Bromoform	mg/kg				0.00041	U	0.00082	U	0.00061	U	0.00043	U	0.00046	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00021	U	0.00041	U	0.00031	U	0.00022	U	0.00023	U
Benzene	mg/kg	2.9	4.8	0.06	0.00025	U	0.00050	U	0.00051	J	0.00026	U	0.00028	U
Toluene	mg/kg	100	100	0.7	0.00023	U	0.00045	U	0.00034	U	0.00024	U	0.00025	U
Ethylbenzene	mg/kg	30	41	1	0.00019	U	0.00038	U	0.00029	U	0.0013		0.00021	U
Chloromethane	mg/kg				0.00042	U	0.00084	U	0.00062	U	0.00044	U	0.00047	U
Bromomethane	mg/kg				0.00046	U	0.00091	U	0.00068	U	0.00048	U	0.00051	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00053	U	0.0011	U	0.00078	U	0.00055	U	0.00059	U
Chloroethane	mg/kg				0.00050	U	0.0010	U	0.00075	U	0.00053	U	0.00056	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00022	U	0.00043	U	0.00032	U	0.00023	U	0.00024	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00024	U	0.00047	U	0.00035	U	0.00025	U	0.00027	U
Trichloroethene	mg/kg	10	21	0.47	0.00014	U	0.00028	U	0.00021	U	0.00014	U	0.00016	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.00014	U	0.00028	U	0.00021	U	0.00014	U	0.00016	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.00015	U	0.00031	U	0.00023	U	0.00016	U	0.00017	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.00022	U	0.00043	U	0.00032	U	0.00023	U	0.00024	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00048	J	0.0030		0.00018	U	0.00013	U	0.00013	U
p/m-Xylene	mg/kg				0.00017	U	0.00034	U	0.00025	U	0.0057		0.00021	J
o-Xylene	mg/kg				0.00019	U	0.00037	U	0.00028	U	0.0035		0.00021	U
Xylenes, Total	mg/kg	100	100	0.26										
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00015	U	0.00029	U	0.00022	U	0.00015	U	0.00016	U
1,2-Dichloroethene, Total	mg/kg													
Dibromomethane	mg/kg													
Styrene	mg/kg				0.00027	U	0.00054	U	0.00040	U	0.00028	U	0.00030	U
Dichlorodifluoromethane	mg/kg				0.00033	U	0.00065	U	0.00048	U	0.00034	U	0.00036	U
Acetone	mg/kg	100	100	0.05	0.0055	U	0.011	U	0.011		0.018		0.0069	
Carbon disulfide	mg/kg				0.0019		0.0018	J	0.00038	U	0.00073	J	0.00029	U
2-Butanone	mg/kg	100	100	0.12	0.0026	U	0.0052	U	0.0039	U	0.0036	J	0.0029	U
Vinyl acetate	mg/kg													
4-Methyl-2-pentanone	mg/kg				0.0015	U	0.0030	U	0.0022	U	0.0016	U	0.0017	U
1,2,3-Trichloropropane	mg/kg													
2-Hexanone	mg/kg				0.0016	U	0.0033	U	0.0025	U	0.0017	U	0.0018	U
Bromochloromethane	mg/kg													
2,2-Dichloropropane	mg/kg													
1,2-Dibromoethane	mg/kg													
1,3-Dichloropropane	mg/kg													
1,1,1,2-Tetrachloroethane	mg/kg													
Bromobenzene	mg/kg													
n-Butylbenzene	mg/kg	100	100	12										
sec-Butylbenzene	mg/kg	100	100	11										
tert-Butylbenzene	mg/kg	100	100	5.9										
o-Chlorotoluene	mg/kg													
p-Chlorotoluene	mg/kg													
1,2-Dibromo-3-chloropropane	mg/kg				0.00044	U	0.00089	U	0.00066	U	0.00046	U	0.00050	U
Hexachlorobutadiene	mg/kg													
Isopropylbenzene	mg/kg				0.00015	J	0.00024	U	0.00018	U	0.00013	U	0.00014	U
p-Isopropyltoluene	mg/kg													
Naphthalene	mg/kg	100	100	12										
Acrylonitrile	mg/kg													
n-Propylbenzene	mg/kg	100	100	3.9										
1,2,3-Trichlorobenzene	mg/kg				0.00017	U	0.00035	U	0.00026	U	0.00018	U	0.00020	U
1,2,4-Trichlorobenzene	mg/kg				0.00034	U	0.00069	U	0.00051	U	0.00036	U	0.00039	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4										
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6										
1,4-Dioxane	mg/kg	9.8	13	0.1	0.0088	U	0.018	U	0.013	U	0.0092	U	0.0099	U
p-Diethylbenzene	mg/kg													
p-Ethyltoluene	mg/kg													
1,2,4,5-Tetramethylbenzene	mg/kg													
Ethyl ether	mg/kg													
trans-1,4-Dichloro-2-butene	mg/kg													
1,1,2-Trichloro-1,2,2-trifluoroethane		100			0.00029	U	0.00058	U	0.00043	U	0.00030	U	0.00032	U
Chlorobromomethane					0.00027	U	0.00054	U	0.00040	U	0.00028	U	0.00030	U
Chlorodibromomethane					0.00019	U	0.00037	U	0.00028	U	0.00020	U	0.00021	U
Cyclohexane					0.00021	U	0.00043	U	0.00032	U	0.00022	U	0.00024	U
Dichlorobromomethane					0.00025	U	0.00050	U	0.00037	U	0.00026	U	0.00028	U
Ethylene Dibromide					0.00017	U	0.00035	U	0.00026	U	0.00018	U	0.00019	U
Methyl acetate					0.0041	U	0.0083	U	0.0062	U	0.0043	U	0.0046	U
Methylcyclohexane					0.00048	U	0.00096	U	0.00072	U	0.00050	U	0.00054	U
Total Conc					0.0035		0.0048		0.01441		0.03434		0.00711	
Total Estimated Conc. (TICs)					0.0*T		0.0*T		0.0*T		0.0*T		0.0*T	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
* : LCS or LCSD is outside acceptance limits.
*T There are no TICs reported for the sample

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-27 (5-5.5)		SB-28 (5-5.5)		SB-29 (7-7.5)	
SAMPLING DATE					9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID					L1941489-01		L1941489-02		L1941489-03	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035										
Methylene chloride	mg/kg	51	100	0.05	0.0066	U	0.005	U	0.0049	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.0013	U	0.00099	U	0.00099	U
Chloroform	mg/kg	10	49	0.37	0.002	U	0.0015	U	0.0015	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.0013	U	0.00099	U	0.00099	U
1,2-Dichloropropane	mg/kg				0.0013	U	0.00099	U	0.00099	U
Dibromochloromethane	mg/kg				0.0013	U	0.00099	U	0.00099	U
1,1,2-Trichloroethane	mg/kg				0.0013	U	0.00099	U	0.00099	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00066	U	0.0005	U	0.00049	U
Chlorobenzene	mg/kg	100	100	1.1	0.00066	U	0.0005	U	0.00049	U
Trichlorofluoromethane	mg/kg				0.0053	U	0.004	U	0.004	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.0013	U	0.00099	U	0.00099	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00066	U	0.0005	U	0.00049	U
Bromodichloromethane	mg/kg				0.00066	U	0.0005	U	0.00049	U
trans-1,3-Dichloropropene	mg/kg				0.0013	U	0.00099	U	0.00099	U
cis-1,3-Dichloropropene	mg/kg				0.00066	U	0.0005	U	0.00049	U
1,3-Dichloropropene, Total	mg/kg				0.00066	U	0.0005	U	0.00049	U
1,1-Dichloropropene	mg/kg				0.00066	U	0.0005	U	0.00049	U
Bromoform	mg/kg				0.0053	U	0.004	U	0.004	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00066	U	0.0005	U	0.00049	U
Benzene	mg/kg	2.9	4.8	0.06	0.00066	U	0.0005	U	0.00049	U
Toluene	mg/kg	100	100	0.7	0.0013	U	0.00099	U	0.00099	U
Ethylbenzene	mg/kg	30	41	1	0.0013	U	0.00099	U	0.00099	U
Chloromethane	mg/kg				0.0053	U	0.004	U	0.004	U
Bromomethane	mg/kg				0.0026	U	0.002	U	0.002	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.0013	U	0.00099	U	0.00099	U
Chloroethane	mg/kg				0.0026	U	0.002	U	0.002	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.0013	U	0.00099	U	0.00099	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00031	J	0.00036	J	0.00043	J
Trichloroethene	mg/kg	10	21	0.47	0.00066	U	0.0005	U	0.00049	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.0026	U	0.002	U	0.002	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.0026	U	0.002	U	0.002	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.0026	U	0.002	U	0.002	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.00094	J	0.00083	J	0.0008	J
p/m-Xylene	mg/kg				0.0026	U	0.002	U	0.002	U
o-Xylene	mg/kg				0.0013	U	0.00099	U	0.00099	U
Xylenes, Total	mg/kg	100	100	0.26	0.0013	U	0.00099	U	0.00099	U
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.0013	U	0.00099	U	0.00099	U
1,2-Dichloroethene, Total	mg/kg				0.00031	J	0.00036	J	0.00043	J
Dibromomethane	mg/kg				0.0026	U	0.002	U	0.002	U
Styrene	mg/kg				0.0013	U	0.00099	U	0.00099	U
Dichlorodifluoromethane	mg/kg				0.013	U	0.0099	U	0.0099	U
Acetone	mg/kg	100	100	0.05	0.16		0.18		0.42	E
Carbon disulfide	mg/kg				0.013	U	0.0099	U	0.0099	U
2-Butanone	mg/kg	100	100	0.12	0.013	U	0.0099	U	0.0033	J
Vinyl acetate	mg/kg				0.013	U	0.0099	U	0.0099	U
4-Methyl-2-pentanone	mg/kg				0.013	U	0.0099	U	0.0099	U
1,2,3-Trichloropropane	mg/kg				0.0026	U	0.002	U	0.002	U
2-Hexanone	mg/kg				0.013	U	0.0099	U	0.0099	U
Bromochloromethane	mg/kg				0.0026	U	0.002	U	0.002	U
2,2-Dichloropropane	mg/kg				0.0026	U	0.002	U	0.002	U
1,2-Dibromoethane	mg/kg				0.0013	U	0.00099	U	0.00099	U
1,3-Dichloropropane	mg/kg				0.0026	U	0.002	U	0.002	U
1,1,1,2-Tetrachloroethane	mg/kg				0.00066	U	0.0005	U	0.00049	U
Bromobenzene	mg/kg				0.0026	U	0.002	U	0.002	U
n-Butylbenzene	mg/kg	100	100	12	0.0013	U	0.00099	U	0.00099	U
sec-Butylbenzene	mg/kg	100	100	11	0.0013	U	0.00099	U	0.00099	U
tert-Butylbenzene	mg/kg	100	100	5.9	0.0026	U	0.002	U	0.002	U
o-Chlorotoluene	mg/kg				0.0026	U	0.002	U	0.002	U
p-Chlorotoluene	mg/kg				0.0026	U	0.002	U	0.002	U
1,2-Dibromo-3-chloropropane	mg/kg				0.004	U	0.003	U	0.003	U
Hexachlorobutadiene	mg/kg				0.0053	U	0.004	U	0.004	U
Isopropylbenzene	mg/kg				0.0013	U	0.00099	U	0.00099	U
p-Isopropyltoluene	mg/kg				0.0013	U	0.00099	U	0.00099	U
Naphthalene	mg/kg	100	100	12	0.0053	U	0.004	U	0.004	U
Acrylonitrile	mg/kg				0.0053	U	0.004	U	0.004	U
n-Propylbenzene	mg/kg	100	100	3.9	0.0013	U	0.00099	U	0.00099	U
1,2,3-Trichlorobenzene	mg/kg				0.0026	U	0.002	U	0.002	U
1,2,4-Trichlorobenzene	mg/kg				0.0026	U	0.002	U	0.002	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4	0.0026	U	0.002	U	0.002	U
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6	0.0026	U	0.002	U	0.002	U
1,4-Dioxane	mg/kg	9.8	13	0.1	0.1	U	0.08	U	0.079	U
p-Diethylbenzene	mg/kg				0.0026	U	0.002	U	0.002	U
p-Ethyltoluene	mg/kg				0.0026	U	0.002	U	0.002	U
1,2,4,5-Tetramethylbenzene	mg/kg				0.0026	U	0.002	U	0.002	U
Ethyl ether	mg/kg				0.0026	U	0.002	U	0.002	U
trans-1,4-Dichloro-2-butene	mg/kg				0.0066	U	0.005	U	0.0049	U

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-27 (5-5.5)		SB-28 (5-5.5)		SB-29 (7-7.5)	
SAMPLING DATE					9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID					L1941489-01		L1941489-02		L1941489-03	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035 High										
Methylene chloride	mg/kg	51	100	0.05	-	-	-	-	0.27	U
1,1-Dichloroethane	mg/kg	19	26	0.27	-	-	-	-	0.054	U
Chloroform	mg/kg	10	49	0.37	-	-	-	-	0.081	U
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	-	-	-	-	0.054	U
1,2-Dichloropropane	mg/kg				-	-	-	-	0.054	U
Dibromochloromethane	mg/kg				-	-	-	-	0.054	U
1,1,2-Trichloroethane	mg/kg				-	-	-	-	0.054	U
Tetrachloroethene	mg/kg	5.5	19	1.3	-	-	-	-	0.027	U
Chlorobenzene	mg/kg	100	100	1.1	-	-	-	-	0.027	U
Trichlorofluoromethane	mg/kg				-	-	-	-	0.22	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	-	-	-	-	0.054	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	-	-	-	-	0.027	U
Bromodichloromethane	mg/kg				-	-	-	-	0.027	U
trans-1,3-Dichloropropene	mg/kg				-	-	-	-	0.054	U
cis-1,3-Dichloropropene	mg/kg				-	-	-	-	0.027	U
1,3-Dichloropropene, Total	mg/kg				-	-	-	-	0.027	U
1,1-Dichloropropene	mg/kg				-	-	-	-	0.027	U
Bromoform	mg/kg				-	-	-	-	0.22	U
1,1,2,2-Tetrachloroethane	mg/kg				-	-	-	-	0.027	U
Benzene	mg/kg	2.9	4.8	0.06	-	-	-	-	0.027	U
Toluene	mg/kg	100	100	0.7	-	-	-	-	0.054	U
Ethylbenzene	mg/kg	30	41	1	-	-	-	-	0.054	U
Chloromethane	mg/kg				-	-	-	-	0.22	U
Bromomethane	mg/kg				-	-	-	-	0.11	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	-	-	-	-	0.054	U
Chloroethane	mg/kg				-	-	-	-	0.11	U
1,1-Dichloroethene	mg/kg	100	100	0.33	-	-	-	-	0.054	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	-	-	-	-	0.081	U
Trichloroethene	mg/kg	10	21	0.47	-	-	-	-	0.027	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	-	-	-	-	0.11	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	-	-	-	-	0.11	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	-	-	-	-	0.11	U
Methyl tert butyl ether	mg/kg	62	100	0.93	-	-	-	-	0.11	U
p/m-Xylene	mg/kg				-	-	-	-	0.11	U
o-Xylene	mg/kg				-	-	-	-	0.054	U
Xylenes, Total	mg/kg	100	100	0.26	-	-	-	-	0.054	U
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	-	-	-	-	0.054	U
1,2-Dichloroethene, Total	mg/kg				-	-	-	-	0.054	U
Dibromomethane	mg/kg				-	-	-	-	0.11	U
Styrene	mg/kg				-	-	-	-	0.054	U
Dichlorodifluoromethane	mg/kg				-	-	-	-	0.54	U
Acetone	mg/kg	100	100	0.05	-	-	-	-	0.54	U
Carbon disulfide	mg/kg				-	-	-	-	0.54	U
2-Butanone	mg/kg	100	100	0.12	-	-	-	-	0.54	U
Vinyl acetate	mg/kg				-	-	-	-	0.54	U
4-Methyl-2-pentanone	mg/kg				-	-	-	-	0.54	U
1,2,3-Trichloropropane	mg/kg				-	-	-	-	0.11	U
2-Hexanone	mg/kg				-	-	-	-	0.54	U
Bromochloromethane	mg/kg				-	-	-	-	0.11	U
2,2-Dichloropropane	mg/kg				-	-	-	-	0.11	U
1,2-Dibromoethane	mg/kg				-	-	-	-	0.054	U
1,3-Dichloropropane	mg/kg				-	-	-	-	0.11	U
1,1,1,2-Tetrachloroethane	mg/kg				-	-	-	-	0.027	U
Bromobenzene	mg/kg				-	-	-	-	0.11	U
n-Butylbenzene	mg/kg	100	100	12	-	-	-	-	0.054	U
sec-Butylbenzene	mg/kg	100	100	11	-	-	-	-	0.054	U
tert-Butylbenzene	mg/kg	100	100	5.9	-	-	-	-	0.11	U
o-Chlorotoluene	mg/kg				-	-	-	-	0.11	U
p-Chlorotoluene	mg/kg				-	-	-	-	0.11	U
1,2-Dibromo-3-chloropropane	mg/kg				-	-	-	-	0.16	U
Hexachlorobutadiene	mg/kg				-	-	-	-	0.22	U
Isopropylbenzene	mg/kg				-	-	-	-	0.054	U
p-Isopropyltoluene	mg/kg				-	-	-	-	0.054	U
Naphthalene	mg/kg	100	100	12	-	-	-	-	0.22	U
Acrylonitrile	mg/kg				-	-	-	-	0.22	U
n-Propylbenzene	mg/kg	100	100	3.9	-	-	-	-	0.054	U
1,2,3-Trichlorobenzene	mg/kg				-	-	-	-	0.11	U
1,2,4-Trichlorobenzene	mg/kg				-	-	-	-	0.11	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4	-	-	-	-	0.11	U
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6	-	-	-	-	0.11	U
1,4-Dioxane	mg/kg	9.8	13	0.1	-	-	-	-	4.3	U
p-Diethylbenzene	mg/kg				-	-	-	-	0.11	U
p-Ethyltoluene	mg/kg				-	-	-	-	0.11	U
1,2,4,5-Tetramethylbenzene	mg/kg				-	-	-	-	0.11	U
Ethyl ether	mg/kg				-	-	-	-	0.11	U
trans-1,4-Dichloro-2-butene	mg/kg				-	-	-	-	0.27	U
1,1,2-Trichloro-1,2,2-trifluoroethane		100								
Chlorobromomethane										
Chlorodibromomethane										
Cyclohexane										
Dichlorobromomethane										
Ethylene Dibromide										
Methyl acetate										
Methylcyclohexane										
Total Conc										
Total Estimated Conc. (TICs)										

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
* : LCS or LCSD is outside acceptance limits.
*T There are no TICs reported for the sample

Table 7
500 Main Street, New Rochelle, NY
Volatile Organics in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-26 (7.5-8)		SB-26 (1.5-2)		SB-29 (2-2.5)	
SAMPLING DATE					9/11/2019		9/12/2019		9/12/2019	
LAB SAMPLE ID					L1941489-04		L1941891-04		L1941891-05	
SAMPLE TYPE					SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual
Volatile Organics by EPA 5035										
Methylene chloride	mg/kg	51	100	0.05	0.0049	U	0.0045	U	0.0043	U
1,1-Dichloroethane	mg/kg	19	26	0.27	0.00099	U	0.0009	U	0.00086	U
Chloroform	mg/kg	10	49	0.37	0.0015	U	0.00017	J	0.00015	J
Carbon tetrachloride	mg/kg	1.4	2.4	0.76	0.00099	U	0.0009	U	0.00086	U
1,2-Dichloropropane	mg/kg				0.00099	U	0.0009	U	0.00086	U
Dibromochloromethane	mg/kg				0.00099	U	0.0009	U	0.00086	U
1,1,2-Trichloroethane	mg/kg				0.00099	U	0.0009	U	0.00086	U
Tetrachloroethene	mg/kg	5.5	19	1.3	0.00049	U	0.00045	U	0.00043	U
Chlorobenzene	mg/kg	100	100	1.1	0.00049	U	0.00045	U	0.00043	U
Trichlorofluoromethane	mg/kg				0.004	U	0.0036	U	0.0034	U
1,2-Dichloroethane	mg/kg	2.3	3.1	0.02	0.00099	U	0.0009	U	0.00086	U
1,1,1-Trichloroethane	mg/kg	100	100	0.68	0.00049	U	0.00045	U	0.00043	U
Bromodichloromethane	mg/kg				0.00049	U	0.00045	U	0.00043	U
trans-1,3-Dichloropropene	mg/kg				0.00099	U	0.0009	U	0.00086	U
cis-1,3-Dichloropropene	mg/kg				0.00049	U	0.00045	U	0.00043	U
1,3-Dichloropropene, Total	mg/kg				0.00049	U	0.00045	U	0.00043	U
1,1-Dichloropropene	mg/kg				0.00049	U	0.00045	U	0.00043	U
Bromoform	mg/kg				0.004	U	0.0036	U	0.0034	U
1,1,2,2-Tetrachloroethane	mg/kg				0.00049	U	0.00045	U	0.00043	U
Benzene	mg/kg	2.9	4.8	0.06	0.00049	U	0.00045	U	0.00043	U
Toluene	mg/kg	100	100	0.7	0.00099	U	0.0009	U	0.00086	U
Ethylbenzene	mg/kg	30	41	1	0.00099	U	0.0009	U	0.00086	U
Chloromethane	mg/kg				0.004	U	0.0036	U	0.0034	U
Bromomethane	mg/kg				0.002	U	0.0018	U	0.0017	U
Vinyl chloride	mg/kg	0.21	0.9	0.02	0.00099	U	0.0009	U	0.00086	U
Chloroethane	mg/kg				0.002	U	0.0018	U	0.0017	U
1,1-Dichloroethene	mg/kg	100	100	0.33	0.00099	U	0.0009	U	0.00086	U
trans-1,2-Dichloroethene	mg/kg	100	100	0.19	0.00057	J	0.00017	J	0.00021	J
Trichloroethene	mg/kg	10	21	0.47	0.00049	U	0.00045	U	0.00043	U
1,2-Dichlorobenzene	mg/kg	100	100	1.1	0.002	U	0.0018	U	0.0017	U
1,3-Dichlorobenzene	mg/kg	17	49	2.4	0.002	U	0.0018	U	0.0017	U
1,4-Dichlorobenzene	mg/kg	9.8	13	1.8	0.002	U	0.0018	U	0.0017	U
Methyl tert butyl ether	mg/kg	62	100	0.93	0.0009	J	0.00067	J	0.00057	J
p/m-Xylene	mg/kg				0.002	U	0.0018	U	0.0017	U
o-Xylene	mg/kg				0.00099	U	0.0009	U	0.00086	U
Xylenes, Total	mg/kg	100	100	0.26	0.00099	U	0.0009	U	0.00086	U
cis-1,2-Dichloroethene	mg/kg	59	100	0.25	0.00099	U	0.0009	U	0.00086	U
1,2-Dichloroethene, Total	mg/kg				0.00057	J	0.00017	J	0.00021	J
Dibromomethane	mg/kg				0.002	U	0.0018	U	0.0017	U
Styrene	mg/kg				0.00099	U	0.0009	U	0.00086	U
Dichlorodifluoromethane	mg/kg				0.0099	U	0.009	U	0.0086	U
Acetone	mg/kg	100	100	0.05	0.21		0.11		0.18	
Carbon disulfide	mg/kg				0.0099	U	0.009	U	0.0086	U
2-Butanone	mg/kg	100	100	0.12	0.0099	U	0.009	U	0.0022	J
Vinyl acetate	mg/kg				0.0099	U	0.009	U	0.0086	U
4-Methyl-2-pentanone	mg/kg				0.0099	U	0.009	U	0.0086	U
1,2,3-Trichloropropane	mg/kg				0.002	U	0.0018	U	0.0017	U
2-Hexanone	mg/kg				0.0099	U	0.009	U	0.0086	U
Bromochloromethane	mg/kg				0.002	U	0.0018	U	0.0017	U
2,2-Dichloropropane	mg/kg				0.002	U	0.0018	U	0.0017	U
1,2-Dibromoethane	mg/kg				0.00099	U	0.0009	U	0.00086	U
1,3-Dichloropropane	mg/kg				0.002	U	0.0018	U	0.0017	U
1,1,1,2-Tetrachloroethane	mg/kg				0.00049	U	0.00045	U	0.00043	U
Bromobenzene	mg/kg				0.002	U	0.0018	U	0.0017	U
n-Butylbenzene	mg/kg	100	100	12	0.00099	U	0.0009	U	0.00086	U
sec-Butylbenzene	mg/kg	100	100	11	0.00099	U	0.0009	U	0.00086	U
tert-Butylbenzene	mg/kg	100	100	5.9	0.002	U	0.0018	U	0.0017	U
o-Chlorotoluene	mg/kg				0.002	U	0.0018	U	0.0017	U
p-Chlorotoluene	mg/kg				0.002	U	0.0018	U	0.0017	U
1,2-Dibromo-3-chloropropane	mg/kg				0.003	U	0.0027	U	0.0026	U
Hexachlorobutadiene	mg/kg				0.004	U	0.0036	U	0.0034	U
Isopropylbenzene	mg/kg				0.00099	U	0.0009	U	0.00086	U
p-Isopropyltoluene	mg/kg				0.00099	U	0.0009	U	0.00086	U
Naphthalene	mg/kg	100	100	12	0.004	U	0.0036	U	0.0034	U
Acrylonitrile	mg/kg				0.004	U	0.0036	U	0.0034	U
n-Propylbenzene	mg/kg	100	100	3.9	0.00099	U	0.0009	U	0.00086	U
1,2,3-Trichlorobenzene	mg/kg				0.002	U	0.0018	U	0.0017	U
1,2,4-Trichlorobenzene	mg/kg				0.002	U	0.0018	U	0.0017	U
1,3,5-Trimethylbenzene	mg/kg	47	52	8.4	0.002	U	0.0018	U	0.0017	U
1,2,4-Trimethylbenzene	mg/kg	47	52	3.6	0.002	U	0.0018	U	0.0017	U
1,4-Dioxane	mg/kg	9.8	13	0.1	0.079	U	0.072	U	0.069	U
p-Diethylbenzene	mg/kg				0.002	U	0.0018	U	0.0017	U
p-Ethyltoluene	mg/kg				0.002	U	0.0018	U	0.0017	U
1,2,4,5-Tetramethylbenzene	mg/kg				0.002	U	0.0018	U	0.0017	U
Ethyl ether	mg/kg				0.002	U	0.0018	U	0.0017	U
trans-1,4-Dichloro-2-butene	mg/kg				0.0049	U	0.0045	U	0.0043	U

Table 8
500 Main Street, New Rochelle, NY
Total Metals in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-1(2.5-3.0)		SB-1(4.5-5.0)		SB-2(1.5-2.0)		SB-2(3-3.5)		SB-3(3.5-4.0)	
SAMPLING DATE					7/16/2019		7/16/2019		7/16/2019		7/16/2019		7/16/2019	
LAB SAMPLE ID					460-186859-1		460-186859-2		460-186859-3		460-186859-4		460-186859-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals														
Aluminum, Total	mg/kg				14700		12100		5770		5900		9370	
Antimony, Total	mg/kg				1.0	U	1.1	U	0.96	U	0.98	U	1.1	U
Arsenic, Total	mg/kg	16	16	13	4.2		2.1	J	1.7	J	1.1	U	1.9	J
Barium, Total	mg/kg	350	400	350	49.4		72.3		59.4		50.1		83.4	
Beryllium, Total	mg/kg	14	72	7.2	0.19	J	0.094	J	0.081	U	0.083	U	0.088	U
Cadmium, Total	mg/kg	2.5	4.3	2.5	0.13	U	0.14	U	0.12	U	0.13	U	0.13	U
Calcium, Total	mg/kg				1120		1060		923		885	J	923	J
Chromium, Total	mg/kg				29.5		25.7		13.2		13.5		19.7	
Cobalt, Total	mg/kg	30			9.2	J	5.2	J	5.8	J	5.6	J	7.7	J
Copper, Total	mg/kg	270	270	50	8.3		13.0		12.5		10.8		16.4	
Iron, Total	mg/kg				25500		17400		12000		13200		17900	
Lead, Total	mg/kg	400	400	63	10.6		7.3		3.4		2.7		4.7	
Magnesium, Total	mg/kg				2950		2520		1710		2120		2820	
Manganese, Total	mg/kg	2000	2000	1600	411		306		493		192		827	
Mercury, Total	mg/kg	0.81	0.81	0.18	0.070		0.017	J	0.011	U	0.011	U	0.012	U
Nickel, Total	mg/kg	140	310	30	12.9		13.8		16.4		14.3		23.4	
Potassium, Total	mg/kg				588	J	2230		1680		2140		3180	
Selenium, Total	mg/kg	36	180	3.9	2.3	U	2.5	U	2.2	U	2.2	U	2.4	U
Silver, Total	mg/kg	36	180	2	0.18	U	0.20	U	0.17	U	0.18	U	0.19	U
Sodium, Total	mg/kg				134	J	122	J	72.9	U	74.6	U	111	J
Thallium, Total	mg/kg				0.62	U	0.66	U	0.58	U	0.59	U	0.63	U
Vanadium, Total	mg/kg				35.0		26.3		15.9		18.5		22.5	
Zinc, Total	mg/kg	2200	10000	109	30.1		28.2		16.2		20.4		28.6	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.

Table 8
500 Main Street, New Rochelle, NY
Total Metals in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-4(4-4.5)		S-5(2-2.5)		S-6(5-5.5)		S-7(2.5-3)		S-8(7.5-8)	
SAMPLING DATE					7/17/2019		7/17/2019		7/17/2019		7/17/2019		7/17/2019	
LAB SAMPLE ID					460-186947-1		460-186947-2		460-186947-3		460-186947-4		460-186947-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals														
Aluminum, Total	mg/kg				10600		8810		12000		10100		8150	
Antimony, Total	mg/kg				0.89	U	0.96	U	1.1	U	1.1	U	1.2	U F1
Arsenic, Total	mg/kg	16	16	13	5.0		1.1	U	2.7	J	5.8		5.3	
Barium, Total	mg/kg	350	400	350	258		65.9		94.7		125		81.7	
Beryllium, Total	mg/kg	14	72	7.2	0.075	U	0.080	U	0.25	J	0.093	U	0.76	
Cadmium, Total	mg/kg	2.5	4.3	2.5	0.11	U	0.12	U	0.14	U	0.14	U	0.15	U F1
Calcium, Total	mg/kg				996		1200		874	J	21300		804	J
Chromium, Total	mg/kg				35.4		22.3		45.9		31.0		34.6	
Cobalt, Total	mg/kg	30			20.1		9.7		10.9		14.7		11.1	J
Copper, Total	mg/kg	270	270	50	22.0		11.0		26.2		38.7		18.4	
Iron, Total	mg/kg				38200		18500		28100		32800		33800	
Lead, Total	mg/kg	400	400	63	8.5		6.4		12.0		28.7		5.9	
Magnesium, Total	mg/kg				4350		4190		5070		11400		3220	
Manganese, Total	mg/kg	2000	2000	1600	3230		417		405		579		628	
Mercury, Total	mg/kg	0.81	0.81	0.18	0.011	U	0.011	U	0.012	U	0.022		0.011	U
Nickel, Total	mg/kg	140	310	30	70.2		24.4		35.1		30.5		32.3	
Potassium, Total	mg/kg				5140		5590		4670		4720		3740	
Selenium, Total	mg/kg	36	180	3.9	2.0	U	2.2	U	2.4	U	2.5	U	2.7	U
Silver, Total	mg/kg	36	180	2	0.16	U	0.17	U	0.19	U	0.20	U	0.21	U
Sodium, Total	mg/kg				129	J	130	J	226	J	233	J	102	J
Thallium, Total	mg/kg				2.7	U	0.58	U	0.65	U	0.67	U	1.6	J
Vanadium, Total	mg/kg				36.3		19.8		50.4		31.9		32.7	
Zinc, Total	mg/kg	2200	10000	109	73.4		42.4		79.6		96.0		50.7	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.

Table 8
500 Main Street, New Rochelle, NY
Total Metals in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-9 (2.5-3)		S-10 (5.5-6)		S-11 (2.5-3)		S-12 (2-2.5)		S-13 (4-4.5)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-1		460-187026-2		460-187026-3		460-187026-4		460-187026-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals														
Aluminum, Total	mg/kg				7080		11100		5420		8910		7500	
Antimony, Total	mg/kg				1.2	U	1.3	U	1.2	U	1.2	U	1.2	U
Arsenic, Total	mg/kg	16	16	13	4.1		3.0	J	2.8	J	2.9	J	4.5	
Barium, Total	mg/kg	350	400	350	86.0		122		63.6		95.7		82.4	
Beryllium, Total	mg/kg	14	72	7.2	0.73		0.76		0.47		0.57		0.45	
Cadmium, Total	mg/kg	2.5	4.3	2.5	0.16	U	0.16	U	0.16	U	0.15	U	0.15	U
Calcium, Total	mg/kg				3600		1590		3770		3770		1300	
Chromium, Total	mg/kg				26.9		39.1		19.7		30.0		21.4	
Cobalt, Total	mg/kg	30			12.6		15.0		22.7		12.8		8.8	J
Copper, Total	mg/kg	270	270	50	26.2		32.0		47.6		27.4		16.4	
Iron, Total	mg/kg				34900		33200		32600		24200		20600	
Lead, Total	mg/kg	400	400	63	10.4		11.6		5.9		6.9		4.6	
Magnesium, Total	mg/kg				3810		4880		1890		3710		3240	
Manganese, Total	mg/kg	2000	2000	1600	765		818		416		581		346	
Mercury, Total	mg/kg	0.81	0.81	0.18	0.017	J	0.014	J	0.013	J	0.011	U	0.013	J
Nickel, Total	mg/kg	140	310	30	39.0		36.7		21.0		28.1		23.4	
Potassium, Total	mg/kg				3000		5770		2060		4380		3680	
Selenium, Total	mg/kg	36	180	3.9	2.8	U	2.8	U	2.8	U	2.6	U	2.6	U
Silver, Total	mg/kg	36	180	2	0.22	U	0.22	U	0.22	U	0.21	U	0.21	U
Sodium, Total	mg/kg				164	J	172	J	106	J	299	J	173	J
Thallium, Total	mg/kg				0.74	U	0.93	J	0.75	U	0.86	J	0.70	U
Vanadium, Total	mg/kg				32.8		41.4		21.4		31.0		26.3	
Zinc, Total	mg/kg	2200	10000	109	56.1		59.9		29.5		43.4		32.1	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.

Table 8
500 Main Street, New Rochelle, NY
Total Metals in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-14 (1.5-2)		S-15 (3-3.5)		S-16 (1.5-2)		S-17 (2-2.5)		S-18 (3.5-4)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-6		460-187026-7		460-187026-8		460-187026-9		460-187026-10	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals														
Aluminum, Total	mg/kg				7550		8510		6480		8890		6640	
Antimony, Total	mg/kg				1.1	U	1.3	U	1.3	U	1.3	U	1.2	U
Arsenic, Total	mg/kg	16	16	13	1.3	U	2.1	J	1.8	J	3.4	J	2.3	J
Barium, Total	mg/kg	350	400	350	94.1		72.0		59.0		63.0		78.4	
Beryllium, Total	mg/kg	14	72	7.2	0.40	J	0.43	J	0.34	J	0.51		0.35	J
Cadmium, Total	mg/kg	2.5	4.3	2.5	0.15	U	0.17	U	0.17	U	0.16	U	0.53	J
Calcium, Total	mg/kg				1890		3220		5660		6760		5590	
Chromium, Total	mg/kg				23.9		22.9		17.9		19.6		25.7	
Cobalt, Total	mg/kg	30			8.1	J	9.7	J	13.4		15.4		7.1	J
Copper, Total	mg/kg	270	270	50	16.5		26.8		32.8		39.2		25.0	
Iron, Total	mg/kg				17300		17400		14100		24400		14100	
Lead, Total	mg/kg	400	400	63	3.3		15.9		3.1		26.2		105	
Magnesium, Total	mg/kg				3680		3010		3620		2840		3130	
Manganese, Total	mg/kg	2000	2000	1600	318		398		281		368		224	
Mercury, Total	mg/kg	0.81	0.81	0.18	0.011	U	0.011	U	0.013	U	0.096		0.24	
Nickel, Total	mg/kg	140	310	30	17.4		19.8		16.6		16.2		30.4	
Potassium, Total	mg/kg				3390		2630		2550		1910		2290	
Selenium, Total	mg/kg	36	180	3.9	2.6	U	2.9	U	2.9	U	2.9	U	2.7	U
Silver, Total	mg/kg	36	180	2	0.20	U	0.23	U	0.23	U	0.23	U	0.21	U
Sodium, Total	mg/kg				112	J	545	J	435	J	491	J	140	J
Thallium, Total	mg/kg				0.69	U	0.78	U	0.78	U	0.76	U	0.72	U
Vanadium, Total	mg/kg				31.0		23.6		19.2		25.2		20.1	
Zinc, Total	mg/kg	2200	10000	109	29.7		38.8		22.1		30.3		417	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.

Table 8
500 Main Street, New Rochelle, NY
Total Metals in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-19 (3-3.5)		S-20 (2-2.5)		S-21 (1.5-2)		S-22 (1.5-2)		S-23 (1-1.5)	
SAMPLING DATE					7/19/2019		7/19/2019		7/19/2019		7/19/2019		7/19/2019	
LAB SAMPLE ID					460-187054-3		460-187054-4		460-187054-5		460-187054-6		460-187054-7	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals														
Aluminum, Total	mg/kg				6220		5180		5310		10100		9130	
Antimony, Total	mg/kg				1.3	U	1.2	U	1.3	U	1.3	U	2.7	J F1
Arsenic, Total	mg/kg	16	16	13	2.5	J	1.3	U	4.2		2.7	J	2.5	J
Barium, Total	mg/kg	350	400	350	94.2		49.8		145		71.4		60.5	
Beryllium, Total	mg/kg	14	72	7.2	0.33	J	0.29	J	0.30	J	0.49		0.42	J
Cadmium, Total	mg/kg	2.5	4.3	2.5	0.17	U	0.16	U	0.16	U	0.16	U	0.15	U F1
Calcium, Total	mg/kg				5920		2090		55000		12800		13000	
Chromium, Total	mg/kg				17.1		23.9		12.3		18.2		27.4	F1
Cobalt, Total	mg/kg	30			11.9	J	8.0	J	10.9	J	21.7		6.1	J
Copper, Total	mg/kg	270	270	50	28.0		16.3		151		56.4		20.8	F1
Iron, Total	mg/kg				13700		12200		9470		15200		14400	
Lead, Total	mg/kg	400	400	63	7.6		2.6		28.2		36.9		106	F1
Magnesium, Total	mg/kg				3370		2300		2240		2670		3400	
Manganese, Total	mg/kg	2000	2000	1600	405		241		135		398		414	
Mercury, Total	mg/kg	0.81	0.81	0.18	0.016	J	0.012	U	0.041	F1	0.19		0.022	
Nickel, Total	mg/kg	140	310	30	15.5		19.0		11.3		16.0		19.5	F1
Potassium, Total	mg/kg				2290		2190		745	J	2140		1920	
Selenium, Total	mg/kg	36	180	3.9	3.0	U	2.8	U	2.8	U	2.9	U	2.6	U
Silver, Total	mg/kg	36	180	2	0.24	U	0.22	U	0.22	U	0.23	U	0.20	U F1
Sodium, Total	mg/kg				141	J	112	J	385	J	439	J	281	J
Thallium, Total	mg/kg				0.80	U	0.74	U	0.76	U	0.77	U	0.69	U
Vanadium, Total	mg/kg				19.0		18.2		13.9		24.9		21.8	
Zinc, Total	mg/kg	2200	10000	109	25.7		19.5		26.0		41.0		30.7	F1

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.

Table 8
500 Main Street, New Rochelle, NY
Total Metals in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-27 (5-5.5)		SB-28 (5-5.5)		SB-29 (7-7.5)		SB-26 (7.5-8)		SB-26 (1.5-2)		SB-29 (2-2.5)	
SAMPLING DATE					9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/12/2019		9/12/2019	
LAB SAMPLE ID					L1941489-01		L1941489-02		L1941489-03		L1941489-04		L1941891-04		L1941891-05	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals																
Aluminum, Total	mg/kg				10500		12500		6520		9520		10600		9580	
Antimony, Total	mg/kg				3.2	J	4.88	U	4.36	U	4.52	U	0.944	J	4.26	U
Arsenic, Total	mg/kg	16	16	13	8.3		1.11		1.33		0.651	J	5.27		1.18	
Barium, Total	mg/kg	350	400	350	93.7		74.8		40		53.7		181		60.4	
Beryllium, Total	mg/kg	14	72	7.2	0.156	J	0.488	U	0.035	J	0.452	U	0.355	J	0.213	J
Cadmium, Total	mg/kg	2.5	4.3	2.5	0.368	J	0.205	J	0.218	J	0.145	J	0.866	U	0.853	U
Calcium, Total	mg/kg				2060		671		842		579		3500		1450	
Chromium, Total	mg/kg				31.3		22.5		12.4		15.3		21.4		16.5	
Cobalt, Total	mg/kg	30			6.79		7.27		5.76		5.76		6.95		6.59	
Copper, Total	mg/kg	270	270	50	38.2		19.9		12.5		9.69		39.6		13.9	
Iron, Total	mg/kg				18700		16500		13700		12500		16300		13400	
Lead, Total	mg/kg	400	400	63	231		4.57	J	4.48		3.81	J	237		12.6	
Magnesium, Total	mg/kg				2230		2430		972		1760		2450		1950	
Manganese, Total	mg/kg	2000	2000	1600	110		528		375		421		390		451	
Mercury, Total	mg/kg	0.81	0.81	0.18	2.11		0.078	U	0.072	U	0.074	U	1.5		0.069	U
Nickel, Total	mg/kg	140	310	30	14		16.6		11.5		12.3		11.9		13	
Potassium, Total	mg/kg				868		2620		1030		1850		1620		2270	
Selenium, Total	mg/kg	36	180	3.9	2.81		1.95	U	1.74	U	1.81	U	0.468	J	1.7	U
Silver, Total	mg/kg	36	180	2	1.11	U	0.975	U	0.872	U	0.904	U	0.866	U	0.853	U
Sodium, Total	mg/kg				72.5	J	124	J	59.4	J	132	J	219		56.1	J
Thallium, Total	mg/kg				2.23	U	1.95	U	1.74	U	1.81	U	1.73	U	1.7	U
Vanadium, Total	mg/kg				30.2		27.7		18.9		19.5		22.4		19.9	
Zinc, Total	mg/kg	2200	10000	109	95.7		26.5		29.8		19.9		89.3		72.5	

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.

Table 9
500 Main Street, New Rochelle, NY
PCB's and Pesticides in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-1(2.5-3.0)		SB-1(4.5-5.0)		SB-2(1.5-2.0)		SB-2(3-3.5)		SB-3(3.5-4.0)	
SAMPLING DATE					7/16/2019		7/16/2019		7/16/2019		7/16/2019		7/16/2019	
LAB SAMPLE ID					460-186859-1		460-186859-2		460-186859-3		460-186859-4		460-186859-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry														
Solids, Total	%													
Cyanide, Total	mg/kg	27	27	27	0.12	U	0.13	U	0.11	U	0.13	U	0.14	U F1
Organochlorine Pesticides by GC														
Delta-BHC	mg/kg	100	100	0.04	0.00049	U	0.00051	U	0.00046	U	0.00046	U	0.00050	U
Lindane	mg/kg	0.28	1.3	0.1	0.00074	U	0.00078	U	0.00070	U	0.00070	U	0.00076	U
Alpha-BHC	mg/kg	0.097	0.48	0.02	0.00082	U	0.00085	U	0.00076	U	0.00076	U	0.00083	U
Beta-BHC	mg/kg	0.072	0.36	0.036	0.00090	U	0.00094	U	0.00084	U	0.00084	U	0.00092	U
Heptachlor	mg/kg	0.42	2.1	0.042	0.00095	U	0.00099	U	0.00089	U	0.00089	U	0.00096	U
Aldrin	mg/kg	0.019	0.097	0.005	0.0012	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U
Heptachlor epoxide	mg/kg				0.0012	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U
Endrin	mg/kg	2.2	11	0.014	0.0012	U	0.0012	U	0.0011	U	0.0011	U	0.0012	U
Endrin aldehyde	mg/kg				0.0019	U	0.0020	U	0.0018	U	0.0018	U	0.0019	U
Endrin ketone	mg/kg				0.0016	U	0.0016	U	0.0015	U	0.0015	U	0.0016	U
Dieldrin	mg/kg	0.039	0.2	0.005	0.0010	U	0.0011	U	0.00098	U	0.00098	U	0.0011	U
4,4'-DDE	mg/kg	1.8	8.9	0.0033	0.00095	U	0.00099	U	0.00089	U	0.00089	U	0.00096	U
4,4'-DDD	mg/kg	2.6	13	0.0033	0.0014	U	0.0014	U	0.0013	U	0.0013	U	0.0014	U
4,4'-DDT	mg/kg	1.7	7.9	0.0033	0.0015	U	0.0015	U	0.0014	U	0.0014	U	0.0015	U
Endosulfan I	mg/kg	4.8	24	2.4	0.0012	U	0.0013	U	0.0011	U	0.0011	U	0.0012	U
Endosulfan II	mg/kg	4.8	24	2.4	0.0021	U	0.0022	U	0.0019	U	0.0019	U	0.0021	U
Endosulfan sulfate	mg/kg	4.8	24	2.4	0.0010	U	0.0011	U	0.00094	U	0.00094	U	0.0010	U
Methoxychlor	mg/kg				0.0018	U	0.0019	U	0.0017	U	0.0017	U	0.0019	U
Toxaphene	mg/kg				0.029	U	0.030	U	0.027	U	0.027	U	0.030	U
cis-Chlordane	mg/kg	0.91	4.2	0.094										
trans-Chlordane	mg/kg				0.019	U	0.020	U	0.018	U	0.018	U	0.020	U
Chlordane	mg/kg				0.019	U	0.020	U	0.018	U	0.018	U	0.020	U
Polychlorinated Biphenyls by GC														
Aroclor 1016	mg/kg	1	1	0.1	0.011	U	0.011	U	0.010	U	0.010	U	0.011	U
Aroclor 1221	mg/kg	1	1	0.1	0.011	U	0.011	U	0.010	U	0.010	U	0.011	U
Aroclor 1232	mg/kg	1	1	0.1	0.011	U	0.011	U	0.010	U	0.010	U	0.011	U
Aroclor 1242	mg/kg	1	1	0.1	0.011	U	0.011	U	0.010	U	0.010	U	0.011	U
Aroclor 1248	mg/kg	1	1	0.1	0.011	U	0.011	U	0.010	U	0.010	U	0.011	U
Aroclor 1254	mg/kg	1	1	0.1	0.011	U	0.012	U	0.010	U	0.010	U	0.011	U
Aroclor 1260	mg/kg	1	1	0.1	0.011	U	0.012	U	0.010	U	0.010	U	0.011	U
Aroclor 1262	mg/kg	1	1	0.1	0.011	U	0.012	U	0.010	U	0.010	U	0.011	U
Aroclor 1268	mg/kg	1	1	0.1	0.011	U	0.012	U	0.010	U	0.010	U	0.011	U
PCBs, Total	mg/kg	1	1	0.1	0.011	U	0.012	U	0.010	U	0.010	U	0.011	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 9
500 Main Street, New Rochelle, NY
PCB's and Pesticides in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-4(4-4.5)		S-5(2-2.5)		S-6(5-5.5)		S-7(2.5-3)		S-8(7.5-8)	
SAMPLING DATE					7/17/2019		7/17/2019		7/17/2019		7/17/2019		7/17/2019	
LAB SAMPLE ID					460-186947-1		460-186947-2		460-186947-3		460-186947-4		460-186947-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry														
Solids, Total	%													
Cyanide, Total	mg/kg	27	27	27	0.13	U	0.14	U	0.15	U	0.13	U	0.11	U
Organochlorine Pesticides by GC														
Delta-BHC	mg/kg	100	100	0.04	0.00048	U	0.00050	U	0.00054	U	0.00053	U	0.00047	U
Lindane	mg/kg	0.28	1.3	0.1	0.00072	U	0.00076	U	0.00081	U	0.00080	U	0.00072	U
Alpha-BHC	mg/kg	0.097	0.48	0.02	0.00079	U	0.00083	U	0.00089	U	0.00088	U	0.00079	U
Beta-BHC	mg/kg	0.072	0.36	0.036	0.00087	U	0.00092	U	0.00098	U	0.00097	U	0.00087	U
Heptachlor	mg/kg	0.42	2.1	0.042	0.00092	U	0.00097	U	0.0010	U	0.0010	U	0.00091	U
Aldrin	mg/kg	0.019	0.097	0.005	0.0012	U	0.0012	U	0.0013	U	0.0013	U	0.0012	U
Heptachlor epoxide	mg/kg				0.0012	U	0.0012	U	0.0013	U	0.0013	U	0.0012	U
Endrin	mg/kg	2.2	11	0.014	0.0011	U	0.0012	U	0.0013	U	0.0012	U	0.0011	U
Endrin aldehyde	mg/kg				0.0018	U	0.0019	U	0.0021	U	0.0020	U	0.0018	U
Endrin ketone	mg/kg				0.0015	U	0.0016	U	0.0017	U	0.0017	U	0.0015	U
Dieldrin	mg/kg	0.039	0.2	0.005	0.0010	U	0.0011	U	0.0011	U	0.0011	U	0.0010	U
4,4'-DDE	mg/kg	1.8	8.9	0.0033	0.00092	U	0.00097	U	0.0010	U	0.0010	U	0.00091	U
4,4'-DDD	mg/kg	2.6	13	0.0033	0.0013	U	0.0014	U	0.0015	U	0.0015	U	0.0013	U
4,4'-DDT	mg/kg	1.7	7.9	0.0033	0.0014	U	0.0015	U	0.0016	U	0.0016	U	0.0014	U
Endosulfan I	mg/kg	4.8	24	2.4	0.0012	U	0.0012	U	0.0013	U	0.0013	U	0.0012	U
Endosulfan II	mg/kg	4.8	24	2.4	0.0020	U	0.0021	U	0.0022	U	0.0022	U	0.0020	U
Endosulfan sulfate	mg/kg	4.8	24	2.4	0.00097	U	0.0010	U	0.0011	U	0.0011	U	0.00097	U
Methoxychlor	mg/kg				0.0018	U	0.0019	U	0.0020	U	0.0020	U	0.0018	U
Toxaphene	mg/kg				0.028	U	0.030	U	0.032	U	0.031	U	0.028	U
cis-Chlordane	mg/kg	0.91	4.2	0.094										
trans-Chlordane	mg/kg				0.019	U	0.020	U	0.021	U	0.021	U	0.019	U
Chlordane	mg/kg				0.019	U	0.020	U	0.021	U	0.021	U	0.019	U
Polychlorinated Biphenyls by GC														
Aroclor 1016	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U F2 F1	0.011	U	0.010	U
Aroclor 1221	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U	0.011	U	0.010	U
Aroclor 1232	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U	0.011	U	0.010	U
Aroclor 1242	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U	0.011	U	0.010	U
Aroclor 1248	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U	0.011	U	0.010	U
Aroclor 1254	mg/kg	1	1	0.1	0.011	U	0.011	U	0.012	U	0.012	U	0.011	U
Aroclor 1260	mg/kg	1	1	0.1	0.011	U	0.011	U	0.012	U F2	0.012	U	0.011	U
Aroclor 1262	mg/kg	1	1	0.1	0.011	U	0.011	U	0.012	U	0.012	U	0.011	U
Aroclor 1268	mg/kg	1	1	0.1	0.011	U	0.011	U	0.012	U	0.012	U	0.011	U
PCBs, Total	mg/kg	1	1	0.1	0.011	U	0.011	U	0.012	U	0.012	U	0.011	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 9
500 Main Street, New Rochelle, NY
PCB's and Pesticides in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-9 (2.5-3)		S-10 (5.5-6)		S-11 (2.5-3)		S-12 (2-2.5)		S-13 (4-4.5)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-1		460-187026-2		460-187026-3		460-187026-4		460-187026-5	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry														
Solids, Total	%													
Cyanide, Total	mg/kg	27	27	27	0.13	U	0.14	U	0.14	U	0.13	U	0.13	U F1
Organochlorine Pesticides by GC														
Delta-BHC	mg/kg	100	100	0.04	0.00049	U	0.00053	U	0.00050	U	0.00047	U	0.00046	U
Lindane	mg/kg	0.28	1.3	0.1	0.00074	U	0.00080	U	0.00076	U	0.00071	U	0.00070	U
Alpha-BHC	mg/kg	0.097	0.48	0.02	0.00081	U	0.00088	U	0.00083	U	0.00078	U	0.00077	U
Beta-BHC	mg/kg	0.072	0.36	0.036	0.00089	U	0.00097	U	0.00091	U	0.00086	U	0.00085	U
Heptachlor	mg/kg	0.42	2.1	0.042	0.00094	U	0.0010	U	0.00096	U	0.00090	U	0.00090	U
Aldrin	mg/kg	0.019	0.097	0.005	0.0012	U	0.0013	U	0.0012	U	0.0012	U	0.0011	U
Heptachlor epoxide	mg/kg				0.0012	U	0.0013	U	0.0012	U	0.0011	U	0.0011	U
Endrin	mg/kg	2.2	11	0.014	0.0011	U	0.0012	U	0.0012	U	0.0011	U	0.0011	U
Endrin aldehyde	mg/kg				0.0019	U	0.0020	U	0.0019	U	0.0018	U	0.0018	U
Endrin ketone	mg/kg				0.0015	U	0.0017	U	0.0016	U	0.0015	U	0.0015	U
Dieldrin	mg/kg	0.039	0.2	0.005	0.0010	U	0.0011	U	0.0011	U	0.00099	U	0.00099	U
4,4'-DDE	mg/kg	1.8	8.9	0.0033	0.00094	U	0.0010	U	0.00096	U	0.00090	U	0.00090	U
4,4'-DDD	mg/kg	2.6	13	0.0033	0.0014	U *	0.0015	U *	0.0014	U *	0.0013	U *	0.0013	U *
4,4'-DDT	mg/kg	1.7	7.9	0.0033	0.0015	U	0.0016	U	0.0015	U	0.0014	U	0.0014	U
Endosulfan I	mg/kg	4.8	24	2.4	0.0012	U	0.0013	U	0.0012	U	0.0012	U	0.0012	U
Endosulfan II	mg/kg	4.8	24	2.4	0.0020	U	0.0022	U	0.0021	U	0.0020	U	0.0019	U
Endosulfan sulfate	mg/kg	4.8	24	2.4	0.0010	U	0.0011	U	0.0010	U	0.00096	U	0.00095	U
Methoxychlor	mg/kg				0.0018	U	0.0020	U	0.0019	U	0.0017	U	0.0017	U
Toxaphene	mg/kg				0.029	U	0.031	U	0.029	U	0.028	U	0.027	U
cis-Chlordane	mg/kg	0.91	4.2	0.094										
trans-Chlordane	mg/kg				0.019	U	0.021	U	0.020	U	0.018	U	0.018	U
Chlordane	mg/kg				0.019	U	0.021	U	0.020	U	0.018	U	0.018	U
Polychlorinated Biphenyls by GC														
Aroclor 1016	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.010	U	0.010	U
Aroclor 1221	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.010	U	0.010	U
Aroclor 1232	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.010	U	0.010	U
Aroclor 1242	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.010	U	0.010	U
Aroclor 1248	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.010	U	0.010	U
Aroclor 1254	mg/kg	1	1	0.1	0.011	U	0.012	U	0.011	U	0.010	U	0.010	U
Aroclor 1260	mg/kg	1	1	0.1	0.011	U	0.012	U	0.011	U	0.010	U	0.010	U
Aroclor 1262	mg/kg	1	1	0.1	0.011	U	0.012	U	0.011	U	0.010	U	0.010	U
Aroclor 1268	mg/kg	1	1	0.1	0.011	U	0.012	U	0.011	U	0.010	U	0.010	U
PCBs, Total	mg/kg	1	1	0.1	0.011	U	0.012	U	0.011	U	0.010	U	0.010	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 9
500 Main Street, New Rochelle, NY
PCB's and Pesticides in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-14 (1.5-2)		S-15 (3-3.5)		S-16 (1.5-2)		S-17 (2-2.5)		S-18 (3.5-4)	
SAMPLING DATE					7/18/2019		7/18/2019		7/18/2019		7/18/2019		7/18/2019	
LAB SAMPLE ID					460-187026-6		460-187026-7		460-187026-8		460-187026-9		460-187026-10	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry														
Solids, Total	%													
Cyanide, Total	mg/kg	27	27	27	0.13	U	0.13	U	0.13	U	0.14	U	0.13	U
Organochlorine Pesticides by GC														
Delta-BHC	mg/kg	100	100	0.04	0.00046	U	0.00050	U	0.00051	U	0.00050	U	0.00048	U
Lindane	mg/kg	0.28	1.3	0.1	0.00070	U	0.00076	U	0.00078	U	0.00076	U	0.00073	U
Alpha-BHC	mg/kg	0.097	0.48	0.02	0.00077	U	0.00083	U	0.00085	U	0.00083	U	0.00080	U
Beta-BHC	mg/kg	0.072	0.36	0.036	0.00085	U	0.00092	U	0.00094	U	0.00092	U	0.00088	U
Heptachlor	mg/kg	0.42	2.1	0.042	0.00089	U	0.00097	U	0.00099	U	0.00097	U	0.00093	U
Aldrin	mg/kg	0.019	0.097	0.005	0.0011	U	0.0012	U	0.0013	U	0.0012	U	0.0012	U
Heptachlor epoxide	mg/kg				0.0011	U	0.0012	U	0.0013	U	0.0012	U	0.0012	U
Endrin	mg/kg	2.2	11	0.014	0.0011	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
Endrin aldehyde	mg/kg				0.0018	U	0.0019	U	0.0020	U	0.0019	U	0.0019	U
Endrin ketone	mg/kg				0.0015	U	0.0016	U	0.0016	U	0.0016	U	0.0015	U
Dieldrin	mg/kg	0.039	0.2	0.005	0.00098	U	0.0011	U	0.0011	U	0.0011	U	0.0010	U
4,4'-DDE	mg/kg	1.8	8.9	0.0033	0.00089	U	0.00097	U	0.00099	U	0.00097	U	0.00093	U
4,4'-DDD	mg/kg	2.6	13	0.0033	0.0013	U *	0.0014	U *	0.0014	U *	0.0014	U *	0.0013	U *
4,4'-DDT	mg/kg	1.7	7.9	0.0033	0.0014	U	0.0015	U	0.0015	U	0.0015	U	0.0014	U
Endosulfan I	mg/kg	4.8	24	2.4	0.0012	U	0.0013	U	0.0013	U	0.0013	U	0.0012	U
Endosulfan II	mg/kg	4.8	24	2.4	0.0019	U	0.0021	U	0.0022	U	0.0021	U	0.0020	U
Endosulfan sulfate	mg/kg	4.8	24	2.4	0.00095	U	0.0010	U	0.0011	U	0.0010	U	0.00099	U
Methoxychlor	mg/kg				0.0017	U	0.0019	U	0.0019	U	0.0019	U	0.0018	U
Toxaphene	mg/kg				0.027	U	0.030	U	0.030	U	0.030	U	0.028	U
cis-Chlordane	mg/kg	0.91	4.2	0.094										
trans-Chlordane	mg/kg				0.018	U	0.020	U	0.020	U	0.020	U	0.019	U
Chlordane	mg/kg				0.018	U	0.020	U	0.020	U	0.020	U	0.019	U
Polychlorinated Biphenyls by GC														
Aroclor 1016	mg/kg	1	1	0.1	0.010	U	0.011	U	0.011	U	0.011	U	0.010	U
Aroclor 1221	mg/kg	1	1	0.1	0.010	U	0.011	U	0.011	U	0.011	U	0.010	U
Aroclor 1232	mg/kg	1	1	0.1	0.010	U	0.011	U	0.011	U	0.011	U	0.010	U
Aroclor 1242	mg/kg	1	1	0.1	0.010	U	0.011	U	0.011	U	0.011	U	0.010	U
Aroclor 1248	mg/kg	1	1	0.1	0.010	U	0.011	U	0.011	U	0.011	U	0.010	U
Aroclor 1254	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U	0.011	U	0.011	U
Aroclor 1260	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U	0.011	U	0.011	U
Aroclor 1262	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U	0.011	U	0.011	U
Aroclor 1268	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U	0.011	U	0.011	U
PCBs, Total	mg/kg	1	1	0.1	0.010	U	0.011	U	0.012	U	0.011	U	0.011	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 9
500 Main Street, New Rochelle, NY
PCB's and Pesticides in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	S-19 (3-3.5)		S-20 (2-2.5)		S-21 (1.5-2)		S-22 (1.5-2)		S-23 (1-1.5)	
SAMPLING DATE					7/19/2019		7/19/2019		7/19/2019		7/19/2019		7/19/2019	
LAB SAMPLE ID					460-187054-3		460-187054-4		460-187054-5		460-187054-6		460-187054-7	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry														
Solids, Total	%													
Cyanide, Total	mg/kg	27	27	27	0.12	U	0.14	U	0.13	U	0.13	U	0.12	U
Organochlorine Pesticides by GC														
Delta-BHC	mg/kg	100	100	0.04	0.00051	U	0.00050	U	0.00049	U	0.00051	U	0.00044	U
Lindane	mg/kg	0.28	1.3	0.1	0.00077	U	0.00076	U	0.00073	U	0.00077	U	0.00067	U
Alpha-BHC	mg/kg	0.097	0.48	0.02	0.00085	U	0.00084	U	0.00081	U	0.00084	U	0.00074	U
Beta-BHC	mg/kg	0.072	0.36	0.036	0.00093	U	0.00092	U	0.00089	U	0.00093	U	0.00081	U
Heptachlor	mg/kg	0.42	2.1	0.042	0.00098	U	0.00097	U	0.00094	U	0.00098	U	0.00086	U
Aldrin	mg/kg	0.019	0.097	0.005	0.0013	U	0.0012	U	0.0012	U	0.0013	U	0.0011	U
Heptachlor epoxide	mg/kg				0.0012	U	0.0012	U	0.0012	U	0.0012	U	0.0011	U
Endrin	mg/kg	2.2	11	0.014	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0010	U *
Endrin aldehyde	mg/kg				0.0020	U	0.0019	U	0.0019	U	0.0020	U	0.0017	U
Endrin ketone	mg/kg				0.0016	U	0.0016	U	0.0015	U	0.0016	U	0.0014	U
Dieldrin	mg/kg	0.039	0.2	0.005	0.0011	U	0.0011	U	0.0010	U	0.0011	U	0.00094	U
4,4'-DDE	mg/kg	1.8	8.9	0.0033	0.00098	U	0.00097	U	0.00094	U	0.00098	U	0.00086	U
4,4'-DDD	mg/kg	2.6	13	0.0033	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U
4,4'-DDT	mg/kg	1.7	7.9	0.0033	0.0015	U	0.0015	U	0.0015	U	0.0015	U	0.0013	U
Endosulfan I	mg/kg	4.8	24	2.4	0.0013	U	0.0013	U	0.0012	U	0.0013	U	0.0011	U
Endosulfan II	mg/kg	4.8	24	2.4	0.0021	U	0.0021	U	0.0020	U	0.0021	U	0.0019	U
Endosulfan sulfate	mg/kg	4.8	24	2.4	0.0010	U	0.0010	U	0.0010	U	0.0010	U	0.00091	U *
Methoxychlor	mg/kg				0.0019	U	0.0019	U	0.0018	U	0.0019	U	0.0017	U
Toxaphene	mg/kg				0.030	U	0.030	U	0.029	U	0.030	U	0.026	U
cis-Chlordane	mg/kg	0.91	4.2	0.094										
trans-Chlordane	mg/kg				0.020	U	0.020	U	0.019	U	0.020	U	0.018	U
Chlordane	mg/kg				0.020	U	0.020	U	0.019	U	0.020	U	0.018	U
Polychlorinated Biphenyls by GC														
Aroclor 1016	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0096	U
Aroclor 1221	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0096	U
Aroclor 1232	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0096	U
Aroclor 1242	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0096	U
Aroclor 1248	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0096	U
Aroclor 1254	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0099	U
Aroclor 1260	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0099	U
Aroclor 1262	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0099	U
Aroclor 1268	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0099	U
PCBs, Total	mg/kg	1	1	0.1	0.011	U	0.011	U	0.011	U	0.011	U	0.0099	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 9
500 Main Street, New Rochelle, NY
PCB's and Pesticides in Soil

LOCATION	Units	NY-RESR	NY-RESRR	NY-UNRES	SB-27 (5-5.5)		SB-28 (5-5.5)		SB-29 (7-7.5)		SB-26 (7.5-8)		SB-26 (1.5-2)		SB-29 (2-2.5)	
SAMPLING DATE					9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/12/2019		9/12/2019	
LAB SAMPLE ID					L1941489-01		L1941489-02		L1941489-03		L1941489-04		L1941891-04		L1941891-05	
SAMPLE TYPE					SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry																
Solids, Total	%				70.1		80.1		87.5		85.7		88.1		90.9	
Cyanide, Total	mg/kg	27	27	27	0.59	J	0.31	J	0.27	J	1.1	U	1.1	U	1	U
Organochlorine Pesticides by GC																
Delta-BHC	mg/kg	100	100	0.04	0.0022	U	0.00194	U	0.00172	U	0.00176	U	0.00175	U	0.0017	U
Lindane	mg/kg	0.28	1.3	0.1	0.00092	U	0.00081	U	0.00072	U	0.00073	U	0.00073	U	0.00071	U
Alpha-BHC	mg/kg	0.097	0.48	0.02	0.00092	U	0.00081	U	0.00072	U	0.00073	U	0.00073	U	0.00071	U
Beta-BHC	mg/kg	0.072	0.36	0.036	0.0022	U	0.00194	U	0.00172	U	0.00176	U	0.00175	U	0.0017	U
Heptachlor	mg/kg	0.42	2.1	0.042	0.0011	U	0.00097	U	0.00086	U	0.00088	U	0.00087	U	0.00085	U
Aldrin	mg/kg	0.019	0.097	0.005	0.0022	U	0.00194	U	0.00172	U	0.00176	U	0.00175	U	0.0017	U
Heptachlor epoxide	mg/kg				0.00413	U	0.00364	U	0.00323	U	0.0033	U	0.00328	U	0.00319	U
Endrin	mg/kg	2.2	11	0.014	0.00092	U	0.00081	U	0.00072	U	0.00073	U	0.00073	U	0.00071	U
Endrin aldehyde	mg/kg				0.00275	U	0.00242	U	0.00216	U	0.0022	U	0.00218	U	0.00213	U
Endrin ketone	mg/kg				0.0022	U	0.00194	U	0.00172	U	0.00176	U	0.00175	U	0.0017	U
Dieldrin	mg/kg	0.039	0.2	0.005	0.00138	U	0.00121	U	0.00108	U	0.0011	U	0.00109	U	0.00106	U
4,4'-DDE	mg/kg	1.8	8.9	0.0033	0.0022	U	0.00194	U	0.00172	U	0.00176	U	0.00175	U	0.0017	U
4,4'-DDD	mg/kg	2.6	13	0.0033	0.0022	U	0.00194	U	0.00172	U	0.00176	U	0.00175	U	0.0017	U
4,4'-DDT	mg/kg	1.7	7.9	0.0033	0.00413	U	0.00364	U	0.00323	U	0.0033	U	0.00328	U	0.00319	U
Endosulfan I	mg/kg	4.8	24	2.4	0.0022	U	0.00194	U	0.00172	U	0.00176	U	0.00175	U	0.0017	U
Endosulfan II	mg/kg	4.8	24	2.4	0.0022	U	0.00194	U	0.00172	U	0.00176	U	0.00175	U	0.0017	U
Endosulfan sulfate	mg/kg	4.8	24	2.4	0.00092	U	0.00081	U	0.00072	U	0.00073	U	0.00073	U	0.00071	U
Methoxychlor	mg/kg				0.00413	U	0.00364	U	0.00323	U	0.0033	U	0.00328	U	0.00319	U
Toxaphene	mg/kg				0.0413	U	0.0364	U	0.0323	U	0.033	U	0.0328	U	0.0319	U
cis-Chlordane	mg/kg	0.91	4.2	0.094	0.00275	U	0.00242	U	0.00216	U	0.0022	U	0.00218	U	0.00213	U
trans-Chlordane	mg/kg				0.00275	U	0.00242	U	0.00216	U	0.0022	U	0.00218	U	0.00213	U
Chlordane	mg/kg				0.0179	U	0.0158	U	0.014	U	0.0143	U	0.0142	U	0.0138	U
Polychlorinated Biphenyls by GC																
Aroclor 1016	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U
Aroclor 1221	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U
Aroclor 1232	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U
Aroclor 1242	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U
Aroclor 1248	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U
Aroclor 1254	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U
Aroclor 1260	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U
Aroclor 1262	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U
Aroclor 1268	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U
PCBs, Total	mg/kg	1	1	0.1	0.0458	U	0.0413	U	0.0363	U	0.0382	U	0.0377	U	0.0355	U

J - Presumptive evidence of compound.
U - Not detected at the reported detection limit for the sample.
NY-RESR: New York NYCRR Part 375 Residential Criteria
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria
NY-UNRES: New York NYCRR Part 375 New York Unrestricted
Exceeds-RESR:
Exceeds-RESRR:
Exceeds-UNRES:
F1 : MS and/or MSD Recovery is outside acceptance limits.
F2 : MS/MSD RPD exceeds control limits
* : LCS or LCSD is outside acceptance limits.

Table 10
500 Main Street, New Rochelle, NY
Volatile Organics in Air

LOCATION	Units	NY-IAC-A	NY-IAC-B	NY-IAC-C	IA-1		IA-2		AA-1		IA-3		IA-4	
SAMPLING DATE					9/11/2019		9/11/2019		9/11/2019		9/11/2019		9/11/2019	
LAB SAMPLE ID					L1941898-01		L1941898-02		L1941898-03		L1941898-04		L1941898-05	
SAMPLE TYPE					AIR		AIR		AIR		AIR		AIR	
					Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organics in Air														
Dichlorodifluoromethane	ug/m3				6.53		5.44		2.36		2.78		2.38	
Chloromethane	ug/m3				0.871		0.807		0.975		1.16		1.04	
Freon-114	ug/m3				1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
1,3-Butadiene	ug/m3				0.442	U	0.442	U	0.442	U	0.442	U	0.442	U
Bromomethane	ug/m3				0.777	U	0.777	U	0.777	U	0.777	U	0.777	U
Chloroethane	ug/m3				0.528	U	0.528	U	0.528	U	0.528	U	0.528	U
Ethanol	ug/m3				9.42	U	9.42	U	14.7		9.42	U	203	
Vinyl bromide	ug/m3				0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
Acetone	ug/m3				4.92		5.11		15.2		40.4		18.1	
Trichlorofluoromethane	ug/m3				1.24		1.26		1.12		1.2		1.22	
Isopropanol	ug/m3				1.23	U	1.25		2.21		3.88		7.6	
Tertiary butyl Alcohol	ug/m3				1.52	U	1.52	U	1.52	U	1.52	U	1.52	U
Methylene chloride	ug/m3		3		3.16		1.74	U	1.74	U	1.74	U	1.74	U
3-Chloropropene	ug/m3				0.626	U	0.626	U	0.626	U	0.626	U	0.626	U
Carbon disulfide	ug/m3				0.623	U	0.623	U	0.623	U	0.623	U	0.623	U
Freon-113	ug/m3				1.53	U	1.53	U	1.53	U	1.53	U	1.53	U
trans-1,2-Dichloroethene	ug/m3				0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
1,1-Dichloroethane	ug/m3				0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
Methyl tert butyl ether	ug/m3				0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
2-Butanone	ug/m3				1.47	U	1.47	U	1.47	U	3.42		1.47	U
Ethyl Acetate	ug/m3				1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Chloroform	ug/m3				0.977	U	0.977	U	0.977	U	2.21		0.977	U
Tetrahydrofuran	ug/m3				1.47	U	1.47	U	1.47	U	1.47	U	1.47	U
1,2-Dichloroethane	ug/m3				0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
n-Hexane	ug/m3				0.705	U	0.705	U	1.43		0.747		0.705	U
Benzene	ug/m3				0.639	U	0.639	U	1.28		1.87		0.639	U
Cyclohexane	ug/m3				0.688	U	0.688	U	0.688	U	0.688	U	0.688	U
1,2-Dichloropropane	ug/m3				0.924	U	0.924	U	0.924	U	0.924	U	0.924	U
Bromodichloromethane	ug/m3				1.34	U	1.34	U	1.34	U	1.34	U	1.34	U
1,4-Dioxane	ug/m3				0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
2,2,4-Trimethylpentane	ug/m3				0.934	U	0.934	U	2.04		0.972		0.934	U
Heptane	ug/m3				0.82	U	0.82	U	0.955		0.82	U	0.82	U
cis-1,3-Dichloropropene	ug/m3				0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
4-Methyl-2-pentanone	ug/m3				2.05	U	2.05	U	2.05	U	2.05	U	2.05	U
trans-1,3-Dichloropropene	ug/m3				0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
1,1,2-Trichloroethane	ug/m3				1.09	U	1.09	U	1.09	U	1.09	U	1.09	U
Toluene	ug/m3				1.43		1.4		3.69		2.8		1.98	
2-Hexanone	ug/m3				0.82	U	0.82	U	0.82	U	0.82	U	0.82	U
Dibromochloromethane	ug/m3				1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
1,2-Dibromoethane	ug/m3				1.54	U	1.54	U	1.54	U	1.54	U	1.54	U
Chlorobenzene	ug/m3				0.921	U	0.921	U	0.921	U	0.921	U	0.921	U
Ethylbenzene	ug/m3				0.869	U	0.869	U	0.869	U	5.26		0.869	U
p/m-Xylene	ug/m3				1.74	U	1.74	U	1.95		21.8		1.74	U
Bromoform	ug/m3				2.07	U	2.07	U	2.07	U	2.07	U	2.07	U
Styrene	ug/m3				0.852	U	0.852	U	0.852	U	0.852	U	0.852	U
1,1,2,2-Tetrachloroethane	ug/m3				1.37	U	1.37	U	1.37	U	1.37	U	1.37	U
o-Xylene	ug/m3				0.869	U	0.869	U	0.869	U	6.78		0.869	U
4-Ethyltoluene	ug/m3				0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
1,3,5-Trimethylbenzene	ug/m3				0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
1,2,4-Trimethylbenzene	ug/m3				0.983	U	0.983	U	0.983	U	0.983	U	0.983	U
Benzyl chloride	ug/m3				1.04	U	1.04	U	1.04	U	1.04	U	1.04	U
1,3-Dichlorobenzene	ug/m3				1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,4-Dichlorobenzene	ug/m3				1.32		1.2	U	1.2	U	6.13		1.2	U
1,2-Dichlorobenzene	ug/m3				1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2,4-Trichlorobenzene	ug/m3				1.48	U	1.48	U	1.48	U	1.48	U	1.48	U
Hexachlorobutadiene	ug/m3				2.13	U	2.13	U	2.13	U	2.13	U	2.13	U
Volatile Organics in Air by SIM														
Vinyl chloride	ug/m3			0.2	0.051	U	0.051	U	0.051	U	0.051	U	0.051	U
1,1-Dichloroethene	ug/m3	0.2			0.079	U	0.079	U	0.079	U	0.079	U	0.079	U
cis-1,2-Dichloroethene	ug/m3	0.2			0.079	U	0.079	U	0.079	U	0.385		0.079	U
1,1,1-Trichloroethane	ug/m3		3		0.109	U	0.109	U	0.109	U	0.109	U	0.109	U
Carbon tetrachloride	ug/m3	0.2			0.56		0.484		0.396		0.421		0.465	
Trichloroethene	ug/m3	0.2			0.107	U	0.107	U	0.145		1.2		0.107	U
Tetrachloroethene	ug/m3		3		0.224		0.237		0.298		0.502		0.264	

U - Not detected at the reported detection limit for the sample.
Exceeds New York Indoor Air Concentration A:
Exceeds New York Indoor Air Concentration B:
Exceeds New York Indoor Air Concentration C:
NY-IAC-A: New York DOH Matrix A Indoor Air Concentrations Criteria
NY-IAC-B: New York DOH Matrix B Indoor Air Concentrations Criteria
NY-IAC-C: New York DOH Matrix C Indoor Air Concentrations Criteria

Table 11
VOCs in Soil Vapor
500 Main Street, New Rochelle, NY

Client ID	NYSDOH Sub-Slab Vapor	EPA VISL Soil Gas	SV-1			SV-2			SV-3			SV-4		
Lab Sample ID			200-49721-1			200-49721-2			200-49721-3			200-49721-4		
Sampling Date			07/19/2019 09:35:00			07/19/2019 10:15:00			07/19/2019 13:15:00			07/19/2019 14:15:00		
Matrix			Air			Air			Air			Air		
Dilution Factor			10			10			10			10		
Unit	ug/m3	ug/m3	ug/m3			ug/m3			ug/m3			ug/m3		
			Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
AIR BY TO-15														
1,1,1-Trichloroethane	100	174000	11	U	11	11	U	11	11	U	11	11	U	11
1,1,2,2-Tetrachloroethane		1.61	14	U	14	14	U	14	14	U	14	14	U	14
1,1,2-Trichloroethane		5.85	11	U	11	11	U	11	11	U	11	11	U	11
1,1-Dichloroethane		58.5	8	U	8	8	U	8	8	U	8	8	U	8
1,1-Dichloroethene	6		8	U	8	8	U	8	8	U	8	8	U	8
1,2,4-Trichlorobenzene		69.5	37	U	37	37	U	37	37	U	37	37	U	37
1,2,4-Trimethylbenzene		2090	10	U	10	10	U	10	10	U	10	10	U	10
1,2-Dibromoethane		0.156	15	U	15	15	U	15	15	U	15	15	U	15
1,2-Dichlorobenzene		6950	12	U	12	12	U	12	12	U	12	12	U	12
1,2-Dichloroethane		3.6	8	U	8	8	U	8	8	U	8	8	U	8
1,2-Dichloropropane		25.3	9	U	9	9	U	9	9	U	9	9	U	9
1,2-Dichlorotetrafluoroethane			14	U	14	14	U	14	14	U	14	14	U	14
1,3,5-Trimethylbenzene		2090	10	U	10	10	U	10	10	U	10	10	U	10
1,3-Butadiene		3.12	**140**		4	**12**		4	**7**		4	4	U	4
1,3-Dichlorobenzene			12	U	12	12	U	12	12	U	12	12	U	12
1,4-Dichlorobenzene		8.51	12	U	12	12	U	12	12	U	12	12	U	12
1,4-Dioxane		18.7	180	U	180	180	U	180	180	U	180	180	U	180
2,2,4-Trimethylpentane			9	U	9	9	U	9	9	U	9	9	U	9
2-Chlorotoluene			10	U	10	10	U	10	10	U	10	10	U	10
3-Chloropropene			16	U	16	16	U	16	16	U	16	16	U	16
4-Ethyltoluene			10	U	10	10	U	10	10	U	10	10	U	10
Acetone		1070000	120	U	120	120	U	120	120	U	120	120	U	120
Benzene		12	**12**		6	6	U	6	6	U	6	6	U	6
Bromodichloromethane		2.53	13	U	13	13	U	13	13	U	13	13	U	13
Bromoethene(Vinyl Bromide)		2.92	9	U	9	9	U	9	9	U	9	9	U	9
Bromoform		85.1	21	U	21	21	U	21	21	U	21	21	U	21
Bromomethane		174	8	U	8	8	U	8	8	U	8	8	U	8
Carbon disulfide		24300	16	U	16	16	U	16	16	U	16	16	U	16
Carbon tetrachloride	6	15.6	13	U	13	13	U	13	13	U	13	13	U	13
Chlorobenzene		1740	9	U	9	9	U	9	9	U	9	9	U	9
Chloroethane			13	U	13	13	U	13	13	U	13	13	U	13
Chloroform		4.07	10	U	10	10	U	10	**21**		10	10	U	10
Chloromethane		3130	10	U	10	10	U	10	10	U	10	10	U	10
cis-1,2-Dichloroethene	6		8	U	8	8	U	8	8	U	8	8	U	8
cis-1,3-Dichloropropene			9	U	9	9	U	9	9	U	9	9	U	9
Cyclohexane		209000	7	U	7	7	U	7	7	U	7	7	U	7
Dibromochloromethane			17	U	17	17	U	17	17	U	17	17	U	17
Dichlorodifluoromethane		3480	25	U	25	25	U	25	25	U	25	25	U	25
Ethanol			**160**		94	**94**		94	94	U	94	**130**		94
Ethylbenzene		37.4	9	U	9	9	U	9	9	U	9	9	U	9
Freon TF			15	U	15	15	U	15	15	U	15	15	U	15
Hexachlorobutadiene		4.25	21	U	21	21	U	21	21	U	21	21	U	21
Isopropyl alcohol			120	U	120	120	U	120	120	U	120	120	U	120
m,p-Xylene		3480	22	U	22	22	U	22	22	U	22	22	U	22
Methyl Ethyl Ketone		174000	**21**		15	15	U	15	15	U	15	15	U	15
methyl isobutyl ketone		104000	20	U	20	20	U	20	20	U	20	20	U	20
Methyl methacrylate		24300	20	U	20	20	U	20	20	U	20	20	U	20
Methyl tert-butyl ether		360	7	U	7	7	U	7	7	U	7	7	U	7
Methylene Chloride	100	3380	17	U	17	17	U	17	17	U	17	17	U	17
Naphthalene		2.75	26	U	26	26	U	26	26	U	26	26	U	26
n-Heptane		13900	**17**		8	**11**		8	8	U	8	8	U	8
n-Hexane		24300	**69**		7	**19**		7	7	U	7	7	U	7
Styrene		34800	9	U	9	9	U	9	9	U	9	9	U	9
tert-Butyl alcohol			150	U	150	150	U	150	150	U	150	150	U	150
Tetrachloroethene	100		14	U	14	14	U	14	14	U	14	14	U	14
Tetrahydrofuran		69500	150	U	150	150	U	150	150	U	150	150	U	150
Toluene		174000	**17**		8	**12**		8	**9**		8	8	U	8
trans-1,2-Dichloroethene			8	U	8	8	U	8	8	U	8	8	U	8
trans-1,3-Dichloropropene			9	U	9	9	U	9	9	U	9	9	U	9
Trichloroethene	6		11	U	11	11	U	11	11	U	11	11	U	11
Trichlorofluoromethane			11	U	11	11	U	11	11	U	11	11	U	11
Vinyl chloride	6	5.59	5	U	5	5	U	5	5	U	5	5	U	5
Xylene, o-		3480	9	U	9	9	U	9	9	U	9	9	U	9

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

Exceedance of EPA VISL for Soil Gas

FIGURES



REFERENCE:
INFORMATION TAKEN FROM MOUNT VERNON, NY QUADRANGLE, 1995 7.5 MINUTE SERIES,

SCALE: 1"=2,000'

0 2,000 4,000

REFERENCE:
ALL INFORMATION TAKEN FROM DRAWING ENTITLED "PRELIMINARY GRADING & SOIL EROSION CONTROL PLAN" PREPARED BY ASSOCIATED CONSULTANTS, INC. DATED 3-3-15.

FIG-1

PHASE II
500 MAIN STREET
NEW ROCHELLE, WESTCHESTER COUNTY, NY

SITE LOCATION MAP

SESI
CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

DRAWN BY: AG
CHECKED BY: TTK
SCALE: AS NOTED
DATE: 7/16/19
JOB NO.: 10637

N:\ACAD\10637\PHASE II\10637 BASE.DWG 07/16/19 02:40:01PM, cad, LAYOUT:FIG-1



NOTE:
THIS PLAN IS FOR LOCATING SOIL VAPOR SAMPLES ONLY.
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

LEGEND:

- SV-1 - SOIL VAPOR SAMPLE NUMBER & APPROX. LOCATION
- IA-1 - INDOOR AIR SAMPLE NUMBER & APPROX. LOCATION
- AA-1 - AMBIENT AIR SAMPLE NUMBER & APPROX. LOCATION
- PROPERTY LINE
- SITE BOUNDARY
- 1.2 - EXCEEDS APPLICABLE INDOOR AIR CRITERIA

NY-IAC-A: New York DOH Matrix A Indoor Air Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion (May 2017)

SCALE: 1"=40'
0 40 80

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

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N:\ACAD\10637\PHASE II\10637 BASE.DWG 09/25/19 10:55:04AM, jenny, LAYOUT:FIG-3

dwg by: JY
chk by: TTK
scale: AS NOTED
date: 9/25/19

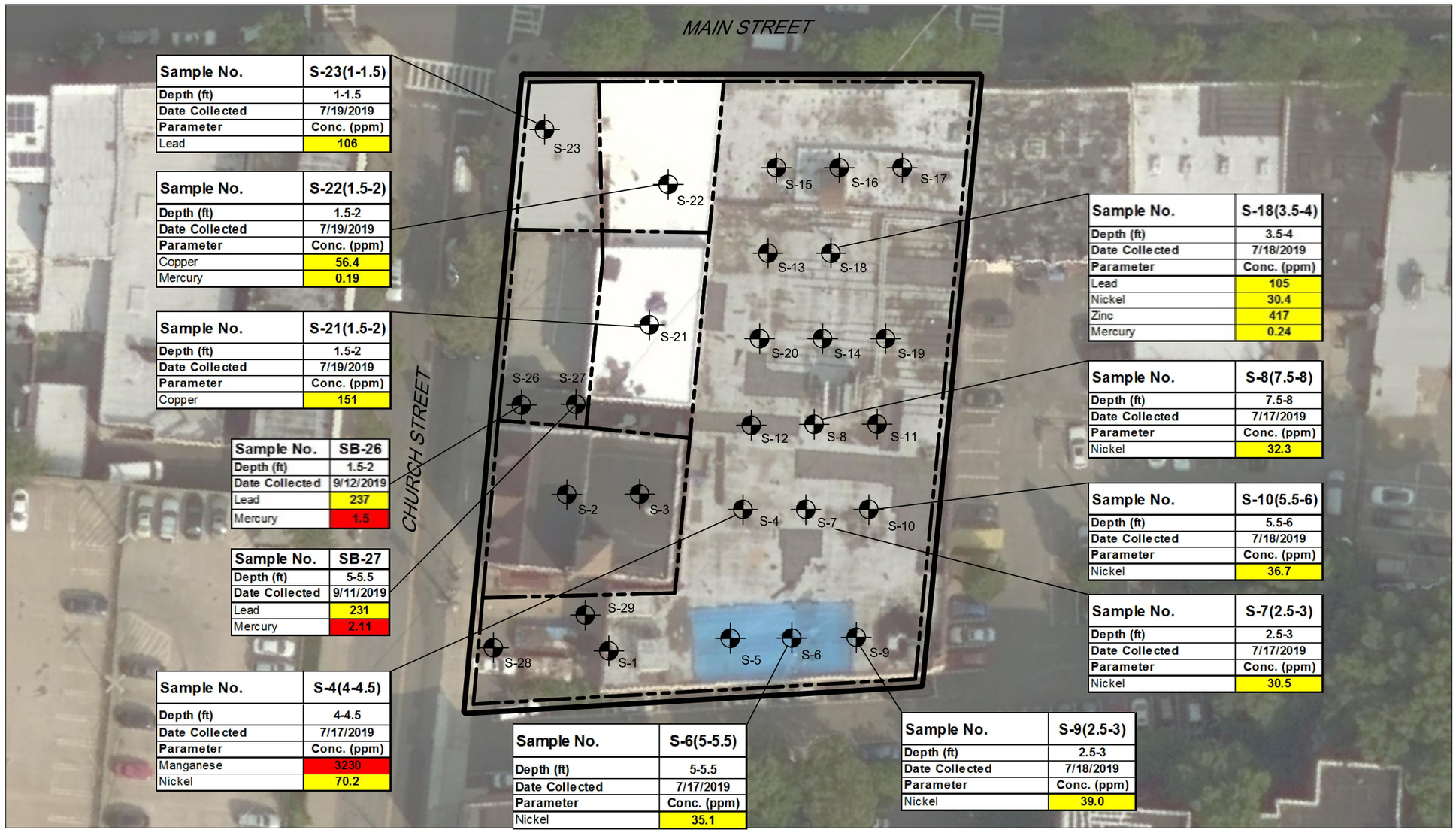
SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

PHASE II
500 MAIN STREET
NEW ROCHELLE, WESTCHESTER COUNTY, NY

SOIL VAPOR/ INDOOR AIR SAMPLE LOCATION PLAN

job no: 10637
drawing no:

FIG-3



Sample No.	S-23(1-1.5)
Depth (ft)	1-1.5
Date Collected	7/19/2019
Parameter	Conc. (ppm)
Lead	106

Sample No.	S-22(1.5-2)
Depth (ft)	1.5-2
Date Collected	7/19/2019
Parameter	Conc. (ppm)
Copper	56.4
Mercury	0.19

Sample No.	S-21(1.5-2)
Depth (ft)	1.5-2
Date Collected	7/19/2019
Parameter	Conc. (ppm)
Copper	151

Sample No.	SB-26
Depth (ft)	1.5-2
Date Collected	9/12/2019
Lead	237
Mercury	1.5

Sample No.	SB-27
Depth (ft)	5-5.5
Date Collected	9/11/2019
Lead	231
Mercury	2.11

Sample No.	S-4(4-4.5)
Depth (ft)	4-4.5
Date Collected	7/17/2019
Parameter	Conc. (ppm)
Manganese	3230
Nickel	70.2

Sample No.	S-6(5-5.5)
Depth (ft)	5-5.5
Date Collected	7/17/2019
Parameter	Conc. (ppm)
Nickel	35.1

Sample No.	S-9(2.5-3)
Depth (ft)	2.5-3
Date Collected	7/18/2019
Parameter	Conc. (ppm)
Nickel	39.0

Sample No.	S-18(3.5-4)
Depth (ft)	3.5-4
Date Collected	7/18/2019
Parameter	Conc. (ppm)
Lead	105
Nickel	30.4
Zinc	417
Mercury	0.24

Sample No.	S-8(7.5-8)
Depth (ft)	7.5-8
Date Collected	7/17/2019
Parameter	Conc. (ppm)
Nickel	32.3

Sample No.	S-10(5.5-6)
Depth (ft)	5.5-6
Date Collected	7/18/2019
Parameter	Conc. (ppm)
Nickel	36.7

Sample No.	S-7(2.5-3)
Depth (ft)	2.5-3
Date Collected	7/17/2019
Parameter	Conc. (ppm)
Nickel	30.5

NOTE:
THIS PLAN IS FOR LOCATING BORING ONLY.
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

LEGEND:

- B-1 - BORING NUMBER & APPROX. LOCATION
- \- - PROPERTY LINE
- \- SITE BOUNDARY
- 237 - EXCEEDS UNRESTRICTED SCO
- 1.5 - EXCEEDS RESTRICTED RESIDENTIAL SCO

Analyte	UnRestricted	Restricted
Copper	50	270
Lead	63	400
Manganese	1600	2000
Nickel	30	310
Zinc	109	10000
Mercury	0.18	0.81

SCALE: 1"=40'
0 40 80

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

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N:\ACAD\10637\PHASE II\10637 BASE.DWG 09/25/19 09:03:40AM, jenny, LAYOUT:FIG-2

dwg by: JY
chk by: TTK
scale: AS NOTED
date: 9/25/19

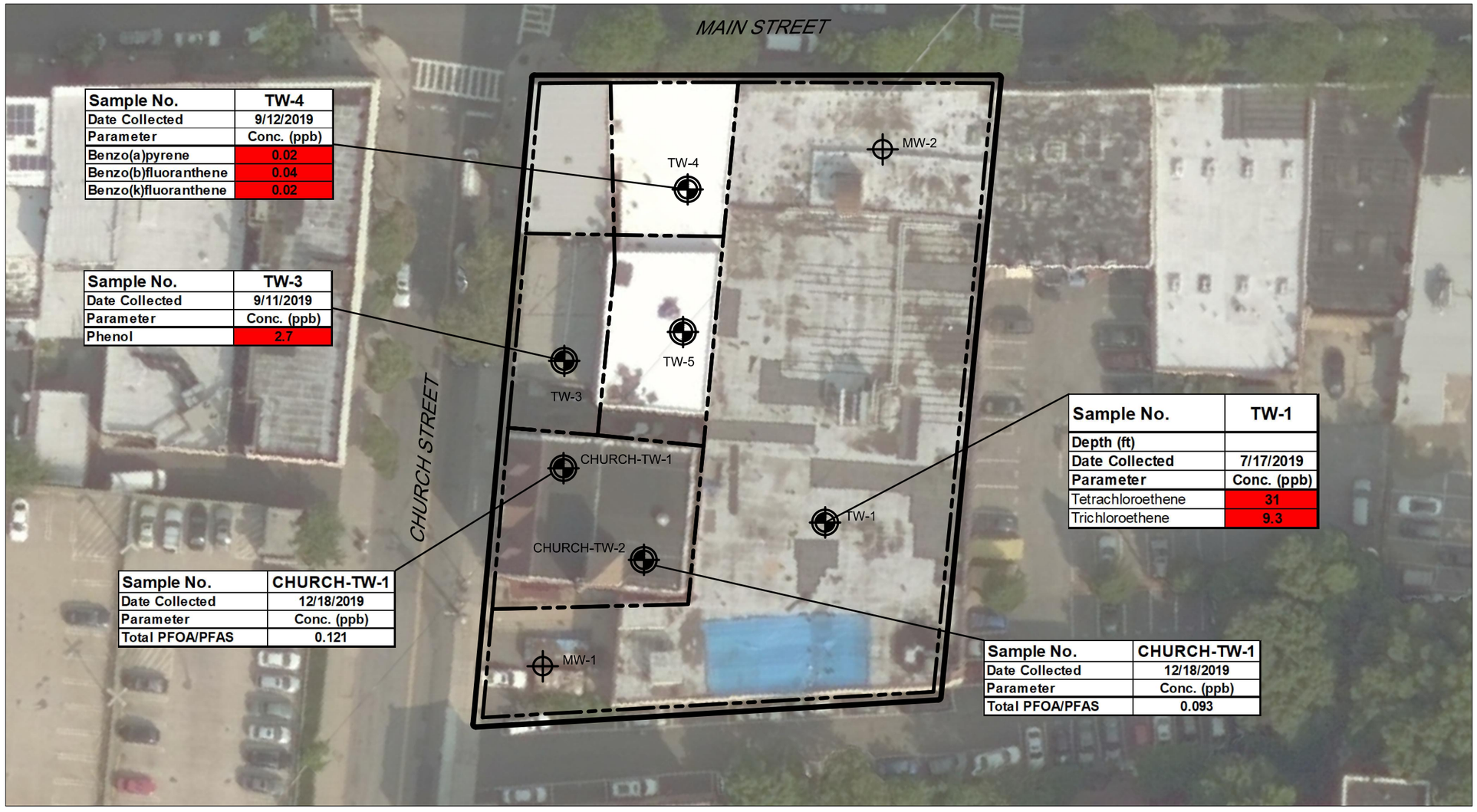
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PHASE II
500 MAIN STREET
NEW ROCHELLE, WESTCHESTER COUNTY, NY

SOIL BORING LOCATION PLAN

job no: 10637
drawing no:

FIG-2



NOTE:
THIS PLAN IS FOR LOCATING GROUNDWATER SAMPLING ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION. THERE ARE CURRENTLY NO GROUND WATER STANDARDS PROMULGATED FOR PFAS COMPOUNDS BY NYSDEC.

NYS Education Law
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LEGEND:

- MW-1 - EXISTING WELL NUMBER & APPROX. LOCATION
- TW-1 - TEMPORARY WELL INSTALLED
- PROPERTY LINE
- SITE BOUNDARY
- 0.02 - CONCENTRATION EXCEEDS CRITERIA

Analyte	NYSDEC GW Criteria
Trichloroethene	5
Tetrachloroethene	5
Phenol	1
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002

SCALE: 1"=40'
0 40 80

dwg by: JY
chk by: TTK
scale: AS NOTED
date: 1/28/20

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PHASE II
500 MAIN STREET
NEW ROCHELLE, WESTCHESTER COUNTY, NY

GROUNDWATER SAMPLING LOCATION PLAN

job no: 10637
drawing no:

FIG-4

N:\ACAD\10637\PHASE II\10637 BASE.DWG 01/28/20 03:26:00PM, jenny, LAYOUT:FIG-4



NOTE:
THIS PLAN IS FOR LOCATING AOCs ONLY.
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

LEGEND:

(1) - AOC NUMBER & APPROX. LOCATION

\- - - - - PROPERTY LINE

\——— SITE BOUNDARY

SCALE: 1"=40'

0 40 80

NYS Education Law
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dwg by: JY
chk by: TTK
scale: AS NOTED
date: 1/29/2020

PHASE II
500 MAIN STREET
NEW ROCHELLE, WESTCHESTER COUNTY, NY

AOC LOCATION PLAN

job no: 10637
drawing no:

FIG-5

N:\ACAD\10637\PHASE II\10637 BASE.DWG 01/29/20 02:24:02PM, jenny, LAYOUT:FIG-5

APPENDIX A
Ground Penetrating Radar Report

APPENDIX B
Boring Logs

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-4**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10				0
				12		2' thick concrete slab	0
	10	1	12	13		Brown coarse to fine SAND, some Silt, trace Clay, (wet)	0
			13				0
15	26	2		15	S-4 (4-4.5)	Brown coarse to fine SAND, some Silt, little Clay, (wet)	0
			15	16		Brown coarse to fine SAND, little Silt, trace Clay, (moist)	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-5**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
	14	1					0
				13	S-5 (2-2.5)	Brown coarse to fine SAND, little Silt, trace coarse Gravel (wet)	0
			13				0
15	28	2					0
				16		Brown coarse to fine SAND, some Silt, little Clay	0
20						Boring complete at ±16.0 Feet B.G.S	
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-6**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			16" Concrete	0
	16"	1					0
							0
						Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
15	24"	2		15		(wet)	0
			15	16	S-6 (5-5.5)	Light brown SILT, little Clay, trace SAND.	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-7**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
	8	1					0
					S-7 (2.5-3)		0
	20	2					0
15						Brown coarse to fine SAND, some Silt, little coarse to fine Gravel	0
				16		(wet)	0
						Boring complete ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-8**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
		1				Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt	0
	10			13		(wet)	0
			13				0
15		2		15		Brown coarse to fine SAND, some Silt, little Clay (wet)	0
	26		15	16		Brown coarse to fine SAND, some fine Gravel, trace Silt (wet)	0
			16				0
		3			S-8 (7.5-8)	Brown coarse to fine SAND, some coarse to fine Gravel, trace Silt	0
	28			19		(moist)	0
20						Boring complete at ±19.0 Feet B.G.S	
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-9**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
	10	1					4.5
					S-9 (2.5-3)	Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt	6.7
				14		with pieces of wood (wet)	3.2
15	28	2	14			Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	1.6
				16		(moist)	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-10**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	
	1						0
		10					2.1
							2.8
15	2						3.2
		24			S-10 (5.5-6)		3.7
							1.2
	3			18		Brown-black coarse to fine SAND, little Silt, trace coarse to fine Gravel with pieces of wood throughout (wet)	0.8
		26	18	19		Brown coarse to fine SAND, some Silt.	0
20						Boring complete at ±19.0 Feet B.G.S	
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-11**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/18/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/18/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
	10	1				Brown-black coarse to fine SAND, some Silt, trace coarse to fine	0
				13	S-11 (2.5-3)	Gravel (wet)	3.8
			13				2.4
15	24	2				Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt	1.2
				16		with pieces of wood throughout	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-12**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
	12	1			S-12 (2-2.5)	Brown coarse to fine SAND, little SILT, trace coarse to fine Gravel	0
				13		(wet)	0
			13	14		Brown coarse to fine SAND little coarse to fine Gravel	0
15	28	2	14				0
				16		Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
20						Boring complete at ±16.0 Feet B.G.S	
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-13**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/18/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/18/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
	12	1		12		Black-brown coarse to fine GRAVEL (wet)	0
			12	13		Brown coarse to fine SAND, little silt, trace Gravel	0
			13				0
15	26	2			S-13 (4-4.5)		0
				16		Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-14**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
					S-14 (1.5-2)		2.8
				13		Brown coarse to fine SAND, little Silt, trace Clay (wet)	1.2
			13	14		Brown-black coarse to fine GRAVEL, some coarse to fine SAND	0
15			14				0
				16		Brown coarse to fine SAND, some coarse to fine Gravel, trace Silt	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-15**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/18/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/18/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
							0
						Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
				14	S-15 (3-3.5)	(wet)	0
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-16**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/18/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/18/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
				12	S-16 (1.5-2)	Brown coarse to fine SAND, some coarse to fine Gravel (wet)	0
						Boring complete at ±12.0 Feet B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-17**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/18/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/18/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
							0
					S-17 (2-2.5)	Brown coarse to fine SAND, some Silt, trace coarse to fine Gravel	0
				14		(wet)	0
15						Boring complete at ±14.0 Feet B.G.S (refusal)	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-18**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/18/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/18/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
	12	1					0
							0
	10	2		14	S-18 (3.5-4)	Brown-black coarse to fine SAND, some Silt, little Clay	0
15						Boring complete at ±14.0 Feet B.G.S (refusal)	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-19**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/19/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/19/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10 feet below grade	
			10			18" Concrete	0
						Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
				13	S-19 (3-3.5)	(wet)	0
						Boring complete at ±13 Feet B.G.S. (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-20**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/19/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/19/19	0 Hr. | 24 Hr. | Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
					S-20 (2-2.5)		0
				13		Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
						Boring Complete at ±13.0 Feet B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-21**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/19/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/19/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
					S-21 (1.5-2)		0
				13		Brown-red coarse to fine SAND, some coarse to fine Gravel (wet)	0
						Boring Complete at ±13.0 Feet B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-22**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/19/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/19/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			18" Concrete	0
				12	S-22 (1.5-2)	Brown coarse to fine SAND, little coarse to fine Gravel	0
						Boring Complete at ±13.0 Feet B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-23**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/19/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/19/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximately 10' below grade	
			10			6" Concrete	0
					S-23 (1-1.5)	Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
				13		Boring Complete at ±13.0 Feet B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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.

APPENDIX C
Laboratory Results
(Electronic)

ANALYTICAL REPORT

Lab Number:	L1960688
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	500 MAIN STREET
Project Number:	10637
Report Date:	01/22/20

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).

Six Park Row, Mansfield, MA 02048
508-261-7467 (Fax) -- -- - emccarter@mansfieldma.com

Project Name: 500 MAIN STREET
Project Number: 10637

Lab Number: L1960688
Report Date: 01/22/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1960688-01	TW-1	WATER	500 MAIN ST, NEW ROCHELLE	12/18/19 11:45	12/18/19
L1960688-02	TW-2	WATER	500 MAIN ST, NEW ROCHELLE	12/18/19 12:05	12/18/19
L1960688-03	FB	WATER	500 MAIN ST, NEW ROCHELLE	12/18/19 11:30	12/18/19

Project Name:	500 MAIN STREET	**Lab Number:**	L1960688
Project Number:	10637	**Report Date:**	01/22/20

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:	500 MAIN STREET	**Lab Number:**	L1960688
Project Number:	10637	**Report Date:**	01/22/20

Case Narrative (continued)

Perfluorinated Alkyl Acids by Isotope Dilution

L1960688-02: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1325613-2/-3: The LCS/LCSD RPDs, associated with L1960688-01 through -03, are above the acceptance criteria for several compounds. See the LCS/LCSD Summary for details.

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: Elizabeth Porta

Title: Technical Director/Representative Date: 01/22/20

ORGANICS

SEMIVOLATILES

Project Name: 500 MAIN STREET
Project Number: 10637
Lab Number: L1960688
Report Date: 01/22/20

SAMPLE RESULTS

Lab ID: L1960688-01
Client ID: TW-1
Sample Location: 500 MAIN ST, NEW ROCHELLE

Date Collected: 12/18/19 11:45
Date Received: 12/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/22/20 02:27
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/29/19 18:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.87		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	12.4		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	4.69		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	11.9		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	6.44		ng/l	1.80	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	1.49	J	ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	23.1		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.619	1
Perfluorononanoic Acid (PFNA)	5.38		ng/l	1.80	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	69.9		ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	6.14		ng/l	1.80	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.993	J	ng/l	1.80	0.583	1
Perfluoroundecanoic Acid (PFUnA)	2.22		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	3.33		ng/l	1.80	0.881	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.522	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.80	0.723	1
Perfluorododecanoic Acid (PFDoA)	0.626	J	ng/l	1.80	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.80	0.223	1
PFOA/PFOS, Total	93.0		ng/l	1.80	0.212	1

Project Name: 500 MAIN STREET **Lab Number:** L1960688

Project Number: 10637 **Report Date:** 01/22/20

SAMPLE RESULTS

Lab ID: L1960688-01 Date Collected: 12/18/19 11:45

Client ID: TW-1 Date Received: 12/18/19

Sample Location: 500 MAIN ST, NEW ROCHELLE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	127		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	119		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	115		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	33		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	33		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	64		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	53		33-143

Project Name: 500 MAIN STREET
Project Number: 10637
Lab Number: L1960688
Report Date: 01/22/20

SAMPLE RESULTS

Lab ID: L1960688-02
Client ID: TW-2
Sample Location: 500 MAIN ST, NEW ROCHELLE

Date Collected: 12/18/19 12:05
Date Received: 12/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/22/20 02:44
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/29/19 18:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	13.0		ng/l	1.83	0.374	1
Perfluoropentanoic Acid (PFPeA)	11.7		ng/l	1.83	0.363	1
Perfluorobutanesulfonic Acid (PFBS)	11.0		ng/l	1.83	0.218	1
Perfluorohexanoic Acid (PFHxA)	12.0		ng/l	1.83	0.300	1
Perfluoroheptanoic Acid (PFHpA)	7.79		ng/l	1.83	0.206	1
Perfluorohexanesulfonic Acid (PFHxS)	2.08		ng/l	1.83	0.344	1
Perfluorooctanoic Acid (PFOA)	21.3		ng/l	1.83	0.216	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.83	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.762	J	ng/l	1.83	0.630	1
Perfluorononanoic Acid (PFNA)	4.17		ng/l	1.83	0.286	1
Perfluorooctanesulfonic Acid (PFOS)	100		ng/l	1.83	0.462	1
Perfluorodecanoic Acid (PFDA)	3.76		ng/l	1.83	0.278	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.83	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.83	0.593	1
Perfluoroundecanoic Acid (PFUnA)	1.39	J	ng/l	1.83	0.238	1
Perfluorodecanesulfonic Acid (PFDS)	2.90		ng/l	1.83	0.897	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.83	0.531	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.83	0.736	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.83	0.341	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.83	0.300	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.83	0.227	1
PFOA/PFOS, Total	121		ng/l	1.83	0.216	1

Project Name: 500 MAIN STREET **Lab Number:** L1960688

Project Number: 10637 **Report Date:** 01/22/20

SAMPLE RESULTS

Lab ID: L1960688-02 Date Collected: 12/18/19 12:05

Client ID: TW-2 Date Received: 12/18/19

Sample Location: 500 MAIN ST, NEW ROCHELLE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	48		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	53		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	68		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	49		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	53		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	74		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	54		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	68		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	54		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	59		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	43		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	54		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	11		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**32**	Q	40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	6		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**12**	Q	23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**23**	Q	24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**22**	Q	33-143

Project Name: 500 MAIN STREET
Project Number: 10637
Lab Number: L1960688
Report Date: 01/22/20

SAMPLE RESULTS

Lab ID: L1960688-03
Client ID: FB
Sample Location: 500 MAIN ST, NEW ROCHELLE

Date Collected: 12/18/19 11:30
Date Received: 12/18/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/22/20 03:00
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/29/19 18:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.84	0.375	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.84	0.364	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.84	0.219	1
Perfluorohexanoic Acid (PFHxA)	0.334	J	ng/l	1.84	0.301	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.84	0.207	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.84	0.346	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.84	0.217	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.84	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.84	0.632	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.84	0.287	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.84	0.463	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.279	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.596	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.239	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.901	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.533	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.739	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.342	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.301	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.228	1
PFOA/PFOS, Total	ND		ng/l	1.84	0.217	1

Project Name: 500 MAIN STREET **Lab Number:** L1960688

Project Number: 10637 **Report Date:** 01/22/20

SAMPLE RESULTS

Lab ID: L1960688-03 Date Collected: 12/18/19 11:30

Client ID: FB Date Received: 12/18/19

Sample Location: 500 MAIN ST, NEW ROCHELLE Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	114		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	114		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	115		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	96		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	115		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	111		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	51		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		33-143

Project Name: 500 MAIN STREET
Project Number: 10637
Lab Number: L1960688
Report Date: 01/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/21/20 13:12
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/29/19 18:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1325613-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.340	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 500 MAIN STREET
Project Number: 10637

Lab Number: L1960688
Report Date: 01/22/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 01/21/20 13:12
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 12/29/19 18:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1325613-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	32		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	71		33-143

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN STREET
Project Number: 10637

Lab Number: L1960688
Report Date: 01/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1325613-2 WG1325613-3								
Perfluorobutanoic Acid (PFBA)	83		121		67-148	**37**	Q	30
Perfluoropentanoic Acid (PFPeA)	88		125		63-161	**35**	Q	30
Perfluorobutanesulfonic Acid (PFBS)	82		115		65-157	**34**	Q	30
Perfluorohexanoic Acid (PFHxA)	83		121		69-168	**37**	Q	30
Perfluoroheptanoic Acid (PFHpA)	83		117		58-159	**34**	Q	30
Perfluorohexanesulfonic Acid (PFHxS)	81		118		69-177	**37**	Q	30
Perfluorooctanoic Acid (PFOA)	87		127		63-159	**37**	Q	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	92		147		49-187	**46**	Q	30
Perfluoroheptanesulfonic Acid (PFHpS)	91		140		61-179	**42**	Q	30
Perfluorononanoic Acid (PFNA)	86		123		68-171	**35**	Q	30
Perfluorooctanesulfonic Acid (PFOS)	81		128		52-151	**45**	Q	30
Perfluorodecanoic Acid (PFDA)	83		118		63-171	**35**	Q	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	98		148		56-173	**41**	Q	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	103		137		60-166	28		30
Perfluoroundecanoic Acid (PFUnA)	83		120		60-153	**36**	Q	30
Perfluorodecanesulfonic Acid (PFDS)	84		125		38-156	**39**	Q	30
Perfluorooctanesulfonamide (FOSA)	82		120		46-170	**38**	Q	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	85		121		45-170	**35**	Q	30
Perfluorododecanoic Acid (PFDoA)	84		125		67-153	**39**	Q	30
Perfluorotridecanoic Acid (PFTrDA)	86		126		48-158	**38**	Q	30
Perfluorotetradecanoic Acid (PFTA)	88		135		59-182	**42**	Q	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN STREET

Project Number: 10637

Lab Number: L1960688

Report Date: 01/22/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1325613-2 WG1325613-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	117		112		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	122		118		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	118		116		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	116		110		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	121		117		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	129		121		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	119		114		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	134		118		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	121		116		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		109		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	114		110		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	135		124		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		74		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		113		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	54		46		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		82		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		96		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		84		33-143

Project Name: 500 MAIN STREET
Project Number: 10637

Lab Number: L1960688
Report Date: 01/22/20

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(*)
L1960688-01A	2 Plastic/1 Plastic/1 H20 Plastic	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1960688-01B	2 Plastic/1 Plastic/1 H20 Plastic	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1960688-02A	2 Plastic/1 Plastic/1 H20 Plastic	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1960688-02B	2 Plastic/1 Plastic/1 H20 Plastic	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L1960688-03A	2 Plastic/1 Plastic/1 H20 Plastic	A	NA		5.2	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 500 MAIN STREET
Project Number: 10637
Lab Number: L1960688
Report Date: 01/22/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name:	500 MAIN STREET	**Lab Number:**	L1960688
Project Number:	10637	**Report Date:**	01/22/20

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.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

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:	500 MAIN STREET	**Lab Number:**	L1960688
Project Number:	10637	**Report Date:**	01/22/20

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.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

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.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	500 MAIN STREET	**Lab Number:**	L1960688
Project Number:	10637	**Report Date:**	01/22/20

Data Qualifiers

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:	500 MAIN STREET	**Lab Number:**	L1960688
Project Number:	10637	**Report Date:**	01/22/20

REFERENCES

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: 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 YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 12/9/19

ALPHA Job #: L1960688

Client Information

Client: SESI
Address: 12 A Maple Ave
Pinebrook, NJ 07058
Phone: 973-808-9050
Fax:
Email: jam@sesi.org

Project Information

Project Name: 500 main Street
Project Location: 500 main st, Newfane
Project #: 10637
(Use Project name as Project #) ☐ ~~10556~~ 10637
Project Manager: JESSE M
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Q TAL

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

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Q TAL	Sample Specific Comments
960688 01	TW-1	12/18/19	1145	GW	DA	X	
.02	TW-2	12/18/19	1205	GW		X	
.03	FB	12/18/19	1130	DI		X	

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

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

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

Container Type	P
Preservative	A

Relinquished By:	Date/Time	Received By:	Date/Time
	12/18/19 1505	AAL	12/18/19 1505
	12/18/19 1827	AAL	12/18/19 20:30
AAL	12/19/19 0100		12/19/19 00:2
T. Hamilton	12/19/19 0400		12/19/19 0400

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

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

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Job Number: 200-49721-1

Job Description: 500 Main St., New Rochelle, NY

For:
SESI Consulting Engineers
12 A Maple Avenue
Pine Brook, NJ 07058

Attention: Todd Kelly



Approved for release.
Grace Chang
Project Manager II
7/30/2019 2:44 PM

Grace Chang, Project Manager II
777 New Durham Road, Edison, NJ, 08817
(732)593-2579
grace.chang@testamericainc.com
07/30/2019

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

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ANALYTICAL DATA PACKAGE FOR THE NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION TRENTON, NEW JERSEY 08625

Agency/Division:		**Bureau/Office:**	
Project No:		**Contract No.:**	
Laboratory Name:	TestAmerica Laboratories	**Laboratory Location:**	South Burlington, Vermont
SDG or Batch No.:		**NJDEP Certification No.:**	VT972
Date of First Sample Receipt:	07/22/2019	**Date of Last Sample Receipt:**	07/22/2019

Agency Sample Number	Laboratory Sample Number	Sample Location	Date and Time of Collection
SV-1	200-49721-1	SV-1	07/19/2019 09:35
SV-2	200-49721-2	SV-2	07/19/2019 10:15
SV-3	200-49721-3	SV-3	07/19/2019 13:15
SV-4	200-49721-4	SV-4	07/19/2019 14:15

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in the hardcopy data package and in the computer-readable date submitted on disk or electronically has been authorize by the laboratory manager or his/her designee, as verified by the following signature.

Laboratory Manager (Typed):	Don Dawicki	**Date:**
Laboratory Manager (Signature):		
Quality Assurance Manager (Typed):	Luke Orchard	**Date:**
Quality Assurance Manager (Signature):		

TestAmerica Burlington
Canister Sampling Field Test Data Sheet

General Information

Site Location:	New Rochelle	Job Number:	10037
Site Address:	500 Main St	Size of Canister:	1L
Field ID No:	SV-1	Canister Serial No:	6444
Sampling Date(s):	7/19/19	Flow Controller No:	4626
Shipping Date:			

Sampling Information

AMBIENT READINGS (Outside)

	Temperature (°F)	Barometric Pressure (inches of Hg)
Start	75	29.91
Stop	75	29.91

SAMPLING TIMES (24 hour clock)

	Local Times	Elapsed Time Meter Reading
Start	0930	0:00
Stop	0935	0:05

CANISTER PRESSURE (inches of Hg) From Gauge

Start	-27
Stop	-4

INTERIOR TEMPERATURE °F

Start	
Stop	

Signature/Title
Investigator

Laboratory Information

FLOW RATES (ml/min) Flow Controller Readout

Shipping out from Lab	187	required (from lab record log) after return
Receiving in Lab		(if applicable only if changed)

CANISTER PRESSURE (inches of Hg)

Initial Pressure (to field)	-30.0	required (from lab record log) after return
Final Pressure (from field)	-6.1	required (from lab record log) after return

Data Shipped Out: 7/15/19
Date Received Back: 7/22/19
Individual Canister Certification (provide File #):
Batch Certification (provide Batch ID#): 6444-36556

Signature/Title
GC/MS Analyst

TestAmerica Burlington
Canister Sampling Field Test Data Sheet

General Information

Site Location:	New Rochelle	Job Number:	10637
Site Address:	500 Main St	Size of Canister:	1L
Field ID No:	SV-2	Canister Serial No:	3329
Sampling Date(s):	7/19/19	Flow Controller No:	0101
Shipping Date:			

Sampling Information

AMBIENT READINGS (Outside)

	Temperature (°F)	Barometric Pressure (inches of Hg)
Start	77	29.91
Stop	77	29.91

SAMPLING TIMES (24 hour clock)

	Local Times	Elapsed Time Meter Reading
Start	1010	0:00
Stop	1015	0:05

CANISTER PRESSURE (inches of Hg) From Gauge

Start	-26
Stop	-5

INTERIOR TEMPERATURE °F

Start	
Stop	

Signature/Title
Investigator

Laboratory Information

FLOW RATES (ml/min) Flow Controller Readout

Shipping out from Lab	186	required (from lab record log) after return
Receiving in Lab		(if applicable only if changed)

CANISTER PRESSURE (inches of Hg)

Initial Pressure (to field)	-30.0	required (from lab record log) after return
Final Pressure (from field)	-6.8	required (from lab record log) after return

Data Shipped Out: 7/15/19
Date Received Back: 7/22/19
Individual Canister Certification (provide File #):
Batch Certification (provide Batch ID#): 6320-36036

Signature/Title
GC/MS Analyst

BRFAI050:10.18.13:0
TestAmerica Burlington

TestAmerica Burlington
Canister Sampling Field Test Data Sheet

General Information

Site Location:	New Rochelle	Job Number:	190637
Site Address:	500 Main St	Size of Canister:	1L
Field ID No:	SV-3	Canister Serial No:	6384
Sampling Date(s):	7/19/19	Flow Controller No:	4698
Shipping Date:			

Sampling Information

AMBIENT READINGS (Outside)

	Temperature (°F)	Barometric Pressure (inches of Hg)
Start	77	29.91
Stop	77	29.91

SAMPLING TIMES (24 hour clock)

	Local Times	Elapsed Time Meter Reading
Start	1310	0:00
Stop	1315	0:05

CANISTER PRESSURE (inches of Hg) From Gauge

Start	-29
Stop	-5

INTERIOR TEMPERATURE °F

Start	68
Stop	68

Signature/Title
Investigator

Laboratory Information

FLOW RATES (ml/min) Flow Controller Readout

Shipping out from Lab	189	required (from lab record log) after return
Receiving in Lab		(if applicable only if changed)

CANISTER PRESSURE (inches of Hg)

Initial Pressure (to field)	-30.0	required (from lab record log) after return
Final Pressure (from field)	-5.9	required (from lab record log) after return

Data Shipped Out: 7/15/19
Date Received Back: 7/22/19
Individual Canister Certification (provide File #):
Batch Certification (provide Batch ID#): 3691-3664

Signature/Title
GC/MS Analyst

BRFAI050:10.18.13:0
TestAmerica Burlington

TestAmerica Burlington
Canister Sampling Field Test Data Sheet

General Information

Site Location:	New Rochelle	**Job Number:**	10637
Site Address:	500 Main St	**Size of Canister:**	1L
Field ID No:	SV-4	**Canister Serial No:**	4651
Sampling Date(s):	7/19/19	**Flow Controller No:**	5321
Shipping Date:			

Sampling Information

AMBIENT READINGS (Outside)

	Temperature (°F)	Barometric Pressure (inches of Hg)
Start	85	29.87
Stop	85	29.87

SAMPLING TIMES (24 hour clock)

	Local Times	Elapsed Time Meter Reading
Start	1410	0:00
Stop	1415	0:05

CANISTER PRESSURE (inches of Hg) From Gauge

Start	-30
Stop	-5

INTERIOR TEMPERATURE °F

Start	65
Stop	65

Signature/Title
Investigator

Laboratory Information

FLOW RATES (ml/min) Flow Controller Readout

Shipping out from Lab	186	required (from lab record log) after return
Receiving in Lab		(if applicable only if changed)

CANISTER PRESSURE (inches of Hg)

Initial Pressure (to field)		required (from lab record log) after return
Final Pressure (from field)	-3.4	required (from lab record log) after return

Data Shipped Out: 7/15/19
Date Received Back: 7/22/19
Individual Canister Certification (provide File #):
Batch Certification (provide Batch ID#): 3691-36646

Signature/Title
GC/MS Analyst

BRFAI050:10.18.13:0
TestAmerica Burlington

Eurofins TestAmerica, Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

eurofins | Environment Testing TestAmerica

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:** Todd Kelly	**Samples Collected By:** Jon Stewart	COC No: 1 of 1 COCs
Company Name: SSSI	Phone: 9733089050		
Address: 12 Maple ave	Email: TTK@sesi.org		
City/State/Zip: Pine Brook, NJ			**For Lab Use Only:**
Phone: 9733089050	**Site Contact:**		Walk-in Client:
FAX:	**Tel/Fax**		Lab Sampling:
Project Name: 500 Main St	**Analysis Turnaround Time**		Job / SDG No.:
Site/Location: New Rochelle, NY	Standard (Specific): 1 week		(See below for Add'l Items)
P O # 10637	Rush (Specify):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14A (SIM) Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type: Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
SV-1	7/19/19	930	7/19/19	935	-27	-4	4626	6444	X													
SV-2		1010		1015	-26	-5	6101	3329														
SV-3		1310		1315	-29	-5	4698	6384														
SV-4		1410		1415	-30	-5	5326	4651														

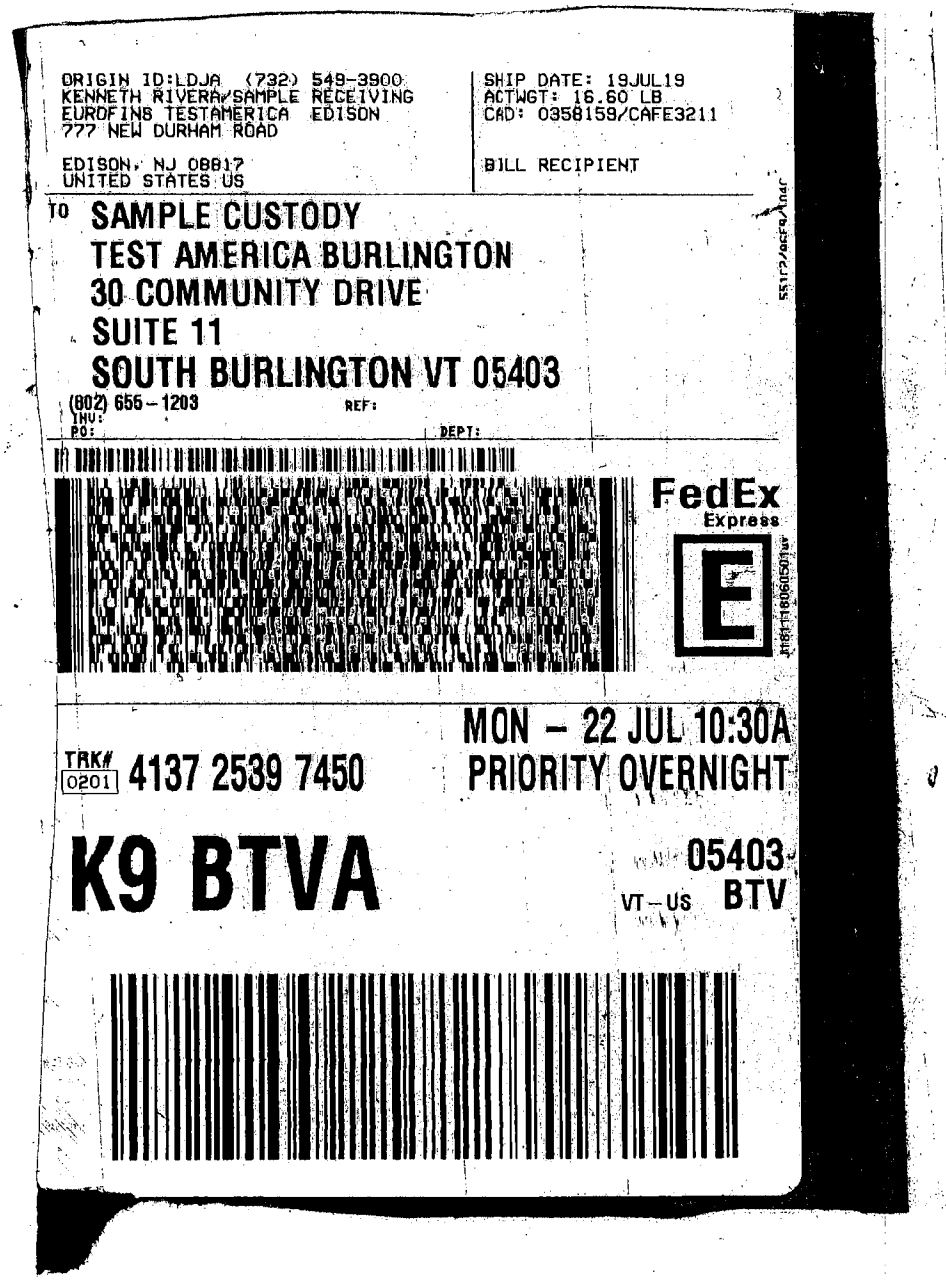
Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

200-49721 COC

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	**Date / Time:**	**Samples Received by:** TABa	7/22/19 0830
Samples Relinquished by: DAEli	**Date / Time:** 7/19/19 1725	**Received by:** DAEli	7/19/19 1725
Relinquished by: DAEli	**Date / Time:** 7/19/19 1900	**Received by:**	
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**	



ORIGIN ID:LDJA (732) 549-3900
KENNETH RIVERA/SAMPLE RECEIVING
EUROFINS TESTAMERICA EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 19JUL19
ACTWGT: 16.60 LB
CAD: 0358159/CAFE3211

BILL RECIPIENT

TO SAMPLE CUSTODY
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 656-1203 REF:
INV:
PO: DEPT:

FedEx Express

TRK# 0201 4137 2539 7450

MON - 22 JUL 10:30A
PRIORITY OVERNIGHT

K9 BTVA

05403
VT-US BTV

Shipping and Receiving Documents

Login Sample Receipt Checklist

Client: SESI Consulting Engineers

Job Number: 200-49721-1

Login Number: 49721
List Number: 1
Creator: Lavigne, Scott M

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL1w_00203	01/01/20	02/02/19	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00165	155 mL	1,1,1-Trichloroethane	0.20044 ppb v/v
							1,1,2,2-Tetrachloroethane	0.20044 ppb v/v
							1,1,2-Trichloroethane	0.20044 ppb v/v
							1,1-Dichloroethane	0.20044 ppb v/v
							1,1-Dichloroethene	0.20044 ppb v/v
							1,2,3-Trichlorobenzene	0.20044 ppb v/v
							1,2,3-Trichloropropane	0.20044 ppb v/v
							1,2,4-Trichlorobenzene	0.20044 ppb v/v
							1,2,4-Trimethylbenzene	0.20044 ppb v/v
							1,2-Dibromoethane	0.20044 ppb v/v
							1,2-Dichlorobenzene	0.20044 ppb v/v
							1,2-Dichloroethane	0.20044 ppb v/v
							1,2-Dichloropropane	0.20044 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.20044 ppb v/v
							1,3,5-Trimethylbenzene	0.20044 ppb v/v
							1,3-Butadiene	0.20044 ppb v/v
							1,3-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dichlorobenzene	0.20044 ppb v/v
							1,4-Dioxane	0.20044 ppb v/v
							2,2,4-Trimethylpentane	0.20044 ppb v/v
							2-Chlorotoluene	0.20044 ppb v/v
							2-Hexanone	0.20044 ppb v/v
							2-Methylbutane	0.20044 ppb v/v
							3-Chloropropene	0.20044 ppb v/v
							4-Ethyltoluene	0.20044 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	0.20044 ppb v/v
							Acetone	0.20044 ppb v/v
							Acetonitrile	0.20044 ppb v/v
							Acrolein	0.20044 ppb v/v
							Acrylonitrile	0.20044 ppb v/v
							Alpha Methyl Styrene	0.20044 ppb v/v
							Benzene	0.20044 ppb v/v
							Benzyl chloride	0.20044 ppb v/v
							Bromodichloromethane	0.20044 ppb v/v
							Bromoethene(Vinyl Bromide)	0.20044 ppb v/v
							Bromoform	0.20044 ppb v/v
							Bromomethane	0.20044 ppb v/v
							Butane	0.20044 ppb v/v
							Carbon disulfide	0.20044 ppb v/v
							Carbon tetrachloride	0.20044 ppb v/v
							Chlorobenzene	0.20044 ppb v/v
							Chlorodifluoromethane	0.20044 ppb v/v
							Chloroethane	0.20044 ppb v/v
							Chloroform	0.20044 ppb v/v
							Chloromethane	0.20044 ppb v/v
							cis-1,2-Dichloroethene	0.20044 ppb v/v
							cis-1,3-Dichloropropene	0.20044 ppb v/v
							Cyclohexane	0.20044 ppb v/v
							Dibromochloromethane	0.20044 ppb v/v
							Dibromomethane	0.20044 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	0.20044 ppb v/v
							Dodecane	0.20044 ppb v/v
							Ethyl acetate	0.20044 ppb v/v
							Ethyl ether	0.20044 ppb v/v
							Ethylbenzene	0.20044 ppb v/v
							Freon TF	0.20044 ppb v/v
							Hexachlorobutadiene	0.20044 ppb v/v
							Isopropyl alcohol	0.20044 ppb v/v
							Isopropylbenzene	0.20044 ppb v/v
							m,p-Xylene	0.400879 ppb v/v
							Methyl Ethyl Ketone	0.20044 ppb v/v
							methyl isobutyl ketone	0.20044 ppb v/v
							Methyl methacrylate	0.20044 ppb v/v
							Methyl tert-butyl ether	0.20044 ppb v/v
							Methylene Chloride	0.20044 ppb v/v
							n-Butanol	0.20044 ppb v/v
							n-Butylbenzene	0.20044 ppb v/v
							n-Decane	0.20044 ppb v/v
							n-Heptane	0.20044 ppb v/v
							n-Hexane	0.20044 ppb v/v
							n-Nonane	0.20044 ppb v/v
							n-Octane	0.20044 ppb v/v
							N-Propylbenzene	0.20044 ppb v/v
							Naphthalene	0.20044 ppb v/v
							Pentane	0.20044 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	0.20044 ppb v/v
							sec-Butylbenzene	0.20044 ppb v/v
							Styrene	0.20044 ppb v/v
							tert-Butyl alcohol	0.20044 ppb v/v
							tert-Butylbenzene	0.20044 ppb v/v
							Tetrachloroethene	0.20044 ppb v/v
							Tetrahydrofuran	0.20044 ppb v/v
							Toluene	0.20044 ppb v/v
							trans-1,2-Dichloroethene	0.20044 ppb v/v
							trans-1,3-Dichloropropene	0.20044 ppb v/v
							Trichloroethene	0.20044 ppb v/v
							Trichlorofluoromethane	0.20044 ppb v/v
							Undecane	0.20044 ppb v/v
							Vinyl acetate	0.20044 ppb v/v
							Vinyl chloride	0.20044 ppb v/v
							Xylene, o-	0.20044 ppb v/v
							Ethanol	0.400944 ppb v/v
.ATTO15CAL6w_00165	01/22/20	02/02/19	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00109	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Hexanone	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							N-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00102	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00109	01/22/20	02/02/19	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00033	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
...ATTO15CALs_00033	01/22/20		Linde, Lot CC-133603		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00102	02/23/20	02/02/19	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
...ATTO15EthCALs_00009	09/05/21	Chem Service, Lot 5301900			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL2w_00278	01/01/20	02/02/19	Nitrogen, Lot 12	15.463 L	ATTO15CAL6w_00165	387 mL	1,1,1-Trichloroethane	0.500453 ppb v/v
							1,1,2,2-Tetrachloroethane	0.500453 ppb v/v
							1,1,2-Trichloroethane	0.500453 ppb v/v
							1,1-Dichloroethane	0.500453 ppb v/v
							1,1-Dichloroethene	0.500453 ppb v/v
							1,2,3-Trichlorobenzene	0.500453 ppb v/v
							1,2,3-Trichloropropane	0.500453 ppb v/v
							1,2,4-Trichlorobenzene	0.500453 ppb v/v
							1,2,4-Trimethylbenzene	0.500453 ppb v/v
							1,2-Dibromoethane	0.500453 ppb v/v
							1,2-Dichlorobenzene	0.500453 ppb v/v
							1,2-Dichloroethane	0.500453 ppb v/v
							1,2-Dichloropropane	0.500453 ppb v/v
							1,2-Dichlorotetrafluoroethane	0.500453 ppb v/v
							1,3,5-Trimethylbenzene	0.500453 ppb v/v
							1,3-Butadiene	0.500453 ppb v/v
							1,3-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dichlorobenzene	0.500453 ppb v/v
							1,4-Dioxane	0.500453 ppb v/v
							2,2,4-Trimethylpentane	0.500453 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	0.500453 ppb v/v
							2-Hexanone	0.500453 ppb v/v
							2-Methylbutane	0.500453 ppb v/v
							3-Chloropropene	0.500453 ppb v/v
							4-Ethyltoluene	0.500453 ppb v/v
							4-Isopropyltoluene	0.500453 ppb v/v
							Acetone	0.500453 ppb v/v
							Acetonitrile	0.500453 ppb v/v
							Acrolein	0.500453 ppb v/v
							Acrylonitrile	0.500453 ppb v/v
							Alpha Methyl Styrene	0.500453 ppb v/v
							Benzene	0.500453 ppb v/v
							Benzyl chloride	0.500453 ppb v/v
							Bromodichloromethane	0.500453 ppb v/v
							Bromoethene(Vinyl Bromide)	0.500453 ppb v/v
							Bromoform	0.500453 ppb v/v
							Bromomethane	0.500453 ppb v/v
							Butane	0.500453 ppb v/v
							Carbon disulfide	0.500453 ppb v/v
							Carbon tetrachloride	0.500453 ppb v/v
							Chlorobenzene	0.500453 ppb v/v
							Chlorodifluoromethane	0.500453 ppb v/v
							Chloroethane	0.500453 ppb v/v
							Chloroform	0.500453 ppb v/v
							Chloromethane	0.500453 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	0.500453 ppb v/v
							cis-1,3-Dichloropropene	0.500453 ppb v/v
							Cyclohexane	0.500453 ppb v/v
							Dibromochloromethane	0.500453 ppb v/v
							Dibromomethane	0.500453 ppb v/v
							Dichlorodifluoromethane	0.500453 ppb v/v
							Dodecane	0.500453 ppb v/v
							Ethyl acetate	0.500453 ppb v/v
							Ethyl ether	0.500453 ppb v/v
							Ethylbenzene	0.500453 ppb v/v
							Freon TF	0.500453 ppb v/v
							Hexachlorobutadiene	0.500453 ppb v/v
							Isopropyl alcohol	0.500453 ppb v/v
							Isopropylbenzene	0.500453 ppb v/v
							m,p-Xylene	1.00091 ppb v/v
							Methyl Ethyl Ketone	0.500453 ppb v/v
							methyl isobutyl ketone	0.500453 ppb v/v
							Methyl methacrylate	0.500453 ppb v/v
							Methyl tert-butyl ether	0.500453 ppb v/v
							Methylene Chloride	0.500453 ppb v/v
							n-Butanol	0.500453 ppb v/v
							n-Butylbenzene	0.500453 ppb v/v
							n-Decane	0.500453 ppb v/v
							n-Heptane	0.500453 ppb v/v
							n-Hexane	0.500453 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Nonane	0.500453 ppb v/v
							n-Octane	0.500453 ppb v/v
							N-Propylbenzene	0.500453 ppb v/v
							Naphthalene	0.500453 ppb v/v
							Pentane	0.500453 ppb v/v
							Propene	0.500453 ppb v/v
							sec-Butylbenzene	0.500453 ppb v/v
							Styrene	0.500453 ppb v/v
							tert-Butyl alcohol	0.500453 ppb v/v
							tert-Butylbenzene	0.500453 ppb v/v
							Tetrachloroethene	0.500453 ppb v/v
							Tetrahydrofuran	0.500453 ppb v/v
							Toluene	0.500453 ppb v/v
							trans-1,2-Dichloroethene	0.500453 ppb v/v
							trans-1,3-Dichloropropene	0.500453 ppb v/v
							Trichloroethene	0.500453 ppb v/v
							Trichlorofluoromethane	0.500453 ppb v/v
							Undecane	0.500453 ppb v/v
							Vinyl acetate	0.500453 ppb v/v
							Vinyl chloride	0.500453 ppb v/v
							Xylene, o-	0.500453 ppb v/v
							Ethanol	5.01064 ppb v/v
					ATTO15EthCALw_00102	124 mL	Ethanol	5.01064 ppb v/v
.ATTO15CAL6w_00165	01/22/20	02/02/19	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00109	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v
							2-Chlorotoluene	19.9961 ppb v/v
							2-Hexanone	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							Isopropylbenzene	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							N-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00102	1237 mL	Ethanol	39.9987 ppb v/v
..ATTO15CALSTKi_00109	01/22/20	02/02/19	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00033	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
...ATTO15CALs_00033	01/22/20		Linde, Lot CC-133603		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
..ATTO15EthCALw_00102	02/23/20	02/02/19	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
...ATTO15EthCALs_00009	09/05/21		Chem Service, Lot 5301900		(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15EthCALw_00102	02/23/20	02/02/19	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21		Chem Service, Lot 5301900		(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL3w_00213	07/04/19	04/04/19	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00109	386 mL	1,1,1-Trichloroethane	4.99256 ppb v/v
							1,1,2,2-Tetrachloroethane	4.99256 ppb v/v
							1,1,2-Trichloroethane	4.99256 ppb v/v
							1,1-Dichloroethane	4.99256 ppb v/v
							1,1-Dichloroethene	4.99256 ppb v/v
							1,2,3-Trichlorobenzene	4.99256 ppb v/v
							1,2,3-Trichloropropane	4.99256 ppb v/v
							1,2,4-Trichlorobenzene	4.99256 ppb v/v
							1,2,4-Trimethylbenzene	4.99256 ppb v/v
							1,2-Dibromoethane	4.99256 ppb v/v
							1,2-Dichlorobenzene	4.99256 ppb v/v
							1,2-Dichloroethane	4.99256 ppb v/v
							1,2-Dichloropropane	4.99256 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	4.99256 ppb v/v
							1,3,5-Trimethylbenzene	4.99256 ppb v/v
							1,3-Butadiene	4.99256 ppb v/v
							1,3-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dichlorobenzene	4.99256 ppb v/v
							1,4-Dioxane	4.99256 ppb v/v
							2,2,4-Trimethylpentane	4.99256 ppb v/v
							2-Chlorotoluene	4.99256 ppb v/v
							2-Hexanone	4.99256 ppb v/v
							2-Methylbutane	4.99256 ppb v/v
							3-Chloropropene	4.99256 ppb v/v
							4-Ethyltoluene	4.99256 ppb v/v
							4-Isopropyltoluene	4.99256 ppb v/v
							Acetone	4.99256 ppb v/v
							Acetonitrile	4.99256 ppb v/v
							Acrolein	4.99256 ppb v/v
							Acrylonitrile	4.99256 ppb v/v
							Alpha Methyl Styrene	4.99256 ppb v/v
							Benzene	4.99256 ppb v/v
							Benzyl chloride	4.99256 ppb v/v
							Bromodichloromethane	4.99256 ppb v/v
							Bromoethene(Vinyl Bromide)	4.99256 ppb v/v
							Bromoform	4.99256 ppb v/v
							Bromomethane	4.99256 ppb v/v
							Butane	4.99256 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	4.99256 ppb v/v
							Carbon tetrachloride	4.99256 ppb v/v
							Chlorobenzene	4.99256 ppb v/v
							Chlorodifluoromethane	4.99256 ppb v/v
							Chloroethane	4.99256 ppb v/v
							Chloroform	4.99256 ppb v/v
							Chloromethane	4.99256 ppb v/v
							cis-1,2-Dichloroethene	4.99256 ppb v/v
							cis-1,3-Dichloropropene	4.99256 ppb v/v
							Cyclohexane	4.99256 ppb v/v
							Dibromochloromethane	4.99256 ppb v/v
							Dibromomethane	4.99256 ppb v/v
							Dichlorodifluoromethane	4.99256 ppb v/v
							Dodecane	4.99256 ppb v/v
							Ethyl acetate	4.99256 ppb v/v
							Ethyl ether	4.99256 ppb v/v
							Ethylbenzene	4.99256 ppb v/v
							Freon TF	4.99256 ppb v/v
							Hexachlorobutadiene	4.99256 ppb v/v
							Isopropyl alcohol	4.99256 ppb v/v
							Isopropylbenzene	4.99256 ppb v/v
							m,p-Xylene	9.98513 ppb v/v
							Methyl Ethyl Ketone	4.99256 ppb v/v
							methyl isobutyl ketone	4.99256 ppb v/v
							Methyl methacrylate	4.99256 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	4.99256 ppb v/v
							Methylene Chloride	4.99256 ppb v/v
							n-Butanol	4.99256 ppb v/v
							n-Butylbenzene	4.99256 ppb v/v
							n-Decane	4.99256 ppb v/v
							n-Heptane	4.99256 ppb v/v
							n-Hexane	4.99256 ppb v/v
							n-Nonane	4.99256 ppb v/v
							n-Octane	4.99256 ppb v/v
							N-Propylbenzene	4.99256 ppb v/v
							Naphthalene	4.99256 ppb v/v
							Pentane	4.99256 ppb v/v
							Propene	4.99256 ppb v/v
							sec-Butylbenzene	4.99256 ppb v/v
							Styrene	4.99256 ppb v/v
							tert-Butyl alcohol	4.99256 ppb v/v
							tert-Butylbenzene	4.99256 ppb v/v
							Tetrachloroethene	4.99256 ppb v/v
							Tetrahydrofuran	4.99256 ppb v/v
							Toluene	4.99256 ppb v/v
							trans-1,2-Dichloroethene	4.99256 ppb v/v
							trans-1,3-Dichloropropene	4.99256 ppb v/v
							Trichloroethene	4.99256 ppb v/v
							Trichlorofluoromethane	4.99256 ppb v/v
							Undecane	4.99256 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	4.99256 ppb v/v
							Vinyl chloride	4.99256 ppb v/v
							Xylene, o-	4.99256 ppb v/v
					ATTO15EthCALw_00102	309 mL	Ethanol	9.99159 ppb v/v
.ATTO15CALSTKi_00109	01/22/20	02/02/19	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00033	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00033	01/22/20		Linde, Lot CC-133603		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00102	02/23/20	02/02/19	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21	Chem Service, Lot 5301900			(Purchased Reagent)		Ethanol	1 mL/mL

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ATTO15CAL4w_00728	09/03/19	06/04/19	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00115	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	9.99806 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Hexanone	9.99806 ppb v/v
							2-Methylbutane	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	9.99806 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Butane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							Isopropylbenzene	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v
							Methylene Chloride	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							N-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	9.99806 ppb v/v
							Vinyl chloride	9.99806 ppb v/v
							Xylene, o-	9.99806 ppb v/v
					ATTO15EthCALw_00103	464 mL	Ethanol	15.0036 ppb v/v
.ATTO15CALSTKi_00115	09/03/19	06/03/19	Nitrogen, Lot 13	15 L	ATTO15CALs_00033	3000 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00033	01/22/20		Linde, Lot CC-133603		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00103	09/10/19	06/10/19	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21	Chem Service, Lot 5301900			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL4w_00728	09/03/19	06/04/19	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00115	773 mL	1,2-Dichloroethene, Total	19.9961 ppb v/v
							Xylenes, Total	29.9942 ppb v/v
.ATTO15CALSTKi_00115	09/03/19	06/03/19	Nitrogen, Lot 13	15 L	ATTO15CALs_00033	3000 mL	1,2-Dichloroethene, Total	400 ppb v/v
							Xylenes, Total	600 ppb v/v
..ATTO15CALs_00033	01/22/20	Linde, Lot CC-133603			(Purchased Reagent)		1,2-Dichloroethene, Total	2 ppm v/v
							Xylenes, Total	3 ppm v/v
ATTO15CAL5w_00085	08/01/19	05/01/19	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00109	1160 mL	1,1,1-Trichloroethane	15.0036 ppb v/v
							1,1,2,2-Tetrachloroethane	15.0036 ppb v/v
							1,1,2-Trichloroethane	15.0036 ppb v/v
							1,1-Dichloroethane	15.0036 ppb v/v
							1,1-Dichloroethene	15.0036 ppb v/v
							1,2,3-Trichlorobenzene	15.0036 ppb v/v
							1,2,3-Trichloropropane	15.0036 ppb v/v
							1,2,4-Trichlorobenzene	15.0036 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	15.0036 ppb v/v
							1,2-Dibromoethane	15.0036 ppb v/v
							1,2-Dichlorobenzene	15.0036 ppb v/v
							1,2-Dichloroethane	15.0036 ppb v/v
							1,2-Dichloropropane	15.0036 ppb v/v
							1,2-Dichlorotetrafluoroethane	15.0036 ppb v/v
							1,3,5-Trimethylbenzene	15.0036 ppb v/v
							1,3-Butadiene	15.0036 ppb v/v
							1,3-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dichlorobenzene	15.0036 ppb v/v
							1,4-Dioxane	15.0036 ppb v/v
							2,2,4-Trimethylpentane	15.0036 ppb v/v
							2-Chlorotoluene	15.0036 ppb v/v
							2-Hexanone	15.0036 ppb v/v
							2-Methylbutane	15.0036 ppb v/v
							3-Chloropropene	15.0036 ppb v/v
							4-Ethyltoluene	15.0036 ppb v/v
							4-Isopropyltoluene	15.0036 ppb v/v
							Acetone	15.0036 ppb v/v
							Acetonitrile	15.0036 ppb v/v
							Acrolein	15.0036 ppb v/v
							Acrylonitrile	15.0036 ppb v/v
							Alpha Methyl Styrene	15.0036 ppb v/v
							Benzene	15.0036 ppb v/v
							Benzyl chloride	15.0036 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromodichloromethane	15.0036 ppb v/v
							Bromoethene(Vinyl Bromide)	15.0036 ppb v/v
							Bromoform	15.0036 ppb v/v
							Bromomethane	15.0036 ppb v/v
							Butane	15.0036 ppb v/v
							Carbon disulfide	15.0036 ppb v/v
							Carbon tetrachloride	15.0036 ppb v/v
							Chlorobenzene	15.0036 ppb v/v
							Chlorodifluoromethane	15.0036 ppb v/v
							Chloroethane	15.0036 ppb v/v
							Chloroform	15.0036 ppb v/v
							Chloromethane	15.0036 ppb v/v
							cis-1,2-Dichloroethene	15.0036 ppb v/v
							cis-1,3-Dichloropropene	15.0036 ppb v/v
							Cyclohexane	15.0036 ppb v/v
							Dibromochloromethane	15.0036 ppb v/v
							Dibromomethane	15.0036 ppb v/v
							Dichlorodifluoromethane	15.0036 ppb v/v
							Dodecane	15.0036 ppb v/v
							Ethyl acetate	15.0036 ppb v/v
							Ethyl ether	15.0036 ppb v/v
							Ethylbenzene	15.0036 ppb v/v
							Freon TF	15.0036 ppb v/v
							Hexachlorobutadiene	15.0036 ppb v/v
							Isopropyl alcohol	15.0036 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	15.0036 ppb v/v
							m,p-Xylene	30.0071 ppb v/v
							Methyl Ethyl Ketone	15.0036 ppb v/v
							methyl isobutyl ketone	15.0036 ppb v/v
							Methyl methacrylate	15.0036 ppb v/v
							Methyl tert-butyl ether	15.0036 ppb v/v
							Methylene Chloride	15.0036 ppb v/v
							n-Butanol	15.0036 ppb v/v
							n-Butylbenzene	15.0036 ppb v/v
							n-Decane	15.0036 ppb v/v
							n-Heptane	15.0036 ppb v/v
							n-Hexane	15.0036 ppb v/v
							n-Nonane	15.0036 ppb v/v
							n-Octane	15.0036 ppb v/v
							N-Propylbenzene	15.0036 ppb v/v
							Naphthalene	15.0036 ppb v/v
							Pentane	15.0036 ppb v/v
							Propene	15.0036 ppb v/v
							sec-Butylbenzene	15.0036 ppb v/v
							Styrene	15.0036 ppb v/v
							tert-Butyl alcohol	15.0036 ppb v/v
							tert-Butylbenzene	15.0036 ppb v/v
							Tetrachloroethene	15.0036 ppb v/v
							Tetrahydrofuran	15.0036 ppb v/v
							Toluene	15.0036 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	15.0036 ppb v/v
							trans-1,3-Dichloropropene	15.0036 ppb v/v
							Trichloroethene	15.0036 ppb v/v
							Trichlorofluoromethane	15.0036 ppb v/v
							Undecane	15.0036 ppb v/v
							Vinyl acetate	15.0036 ppb v/v
							Vinyl chloride	15.0036 ppb v/v
							Xylene, o-	15.0036 ppb v/v
					ATTO15EthCALw_00102	620 mL	Ethanol	20.0479 ppb v/v
.ATTO15CALSTKi_00109	01/22/20	02/02/19	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00033	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00033	01/22/20		Linde, Lot CC-133603		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00102	02/23/20	02/02/19	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21	Chem Service, Lot 5301900			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL6w_00165	01/22/20	02/02/19	Nitrogen, Lot 1	15.463 L	ATTO15CALSTKi_00109	1546 mL	1,1,1-Trichloroethane	19.9961 ppb v/v
							1,1,2,2-Tetrachloroethane	19.9961 ppb v/v
							1,1,2-Trichloroethane	19.9961 ppb v/v
							1,1-Dichloroethane	19.9961 ppb v/v
							1,1-Dichloroethene	19.9961 ppb v/v
							1,2,3-Trichlorobenzene	19.9961 ppb v/v
							1,2,3-Trichloropropane	19.9961 ppb v/v
							1,2,4-Trichlorobenzene	19.9961 ppb v/v
							1,2,4-Trimethylbenzene	19.9961 ppb v/v
							1,2-Dibromoethane	19.9961 ppb v/v
							1,2-Dichlorobenzene	19.9961 ppb v/v
							1,2-Dichloroethane	19.9961 ppb v/v
							1,2-Dichloropropane	19.9961 ppb v/v
							1,2-Dichlorotetrafluoroethane	19.9961 ppb v/v
							1,3,5-Trimethylbenzene	19.9961 ppb v/v
							1,3-Butadiene	19.9961 ppb v/v
							1,3-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dichlorobenzene	19.9961 ppb v/v
							1,4-Dioxane	19.9961 ppb v/v
							2,2,4-Trimethylpentane	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chlorotoluene	19.9961 ppb v/v
							2-Hexanone	19.9961 ppb v/v
							2-Methylbutane	19.9961 ppb v/v
							3-Chloropropene	19.9961 ppb v/v
							4-Ethyltoluene	19.9961 ppb v/v
							4-Isopropyltoluene	19.9961 ppb v/v
							Acetone	19.9961 ppb v/v
							Acetonitrile	19.9961 ppb v/v
							Acrolein	19.9961 ppb v/v
							Acrylonitrile	19.9961 ppb v/v
							Alpha Methyl Styrene	19.9961 ppb v/v
							Benzene	19.9961 ppb v/v
							Benzyl chloride	19.9961 ppb v/v
							Bromodichloromethane	19.9961 ppb v/v
							Bromoethene(Vinyl Bromide)	19.9961 ppb v/v
							Bromoform	19.9961 ppb v/v
							Bromomethane	19.9961 ppb v/v
							Butane	19.9961 ppb v/v
							Carbon disulfide	19.9961 ppb v/v
							Carbon tetrachloride	19.9961 ppb v/v
							Chlorobenzene	19.9961 ppb v/v
							Chlorodifluoromethane	19.9961 ppb v/v
							Chloroethane	19.9961 ppb v/v
							Chloroform	19.9961 ppb v/v
							Chloromethane	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	19.9961 ppb v/v
							cis-1,3-Dichloropropene	19.9961 ppb v/v
							Cyclohexane	19.9961 ppb v/v
							Dibromochloromethane	19.9961 ppb v/v
							Dibromomethane	19.9961 ppb v/v
							Dichlorodifluoromethane	19.9961 ppb v/v
							Dodecane	19.9961 ppb v/v
							Ethyl acetate	19.9961 ppb v/v
							Ethyl ether	19.9961 ppb v/v
							Ethylbenzene	19.9961 ppb v/v
							Freon TF	19.9961 ppb v/v
							Hexachlorobutadiene	19.9961 ppb v/v
							Isopropyl alcohol	19.9961 ppb v/v
							Isopropylbenzene	19.9961 ppb v/v
							m,p-Xylene	39.9922 ppb v/v
							Methyl Ethyl Ketone	19.9961 ppb v/v
							methyl isobutyl ketone	19.9961 ppb v/v
							Methyl methacrylate	19.9961 ppb v/v
							Methyl tert-butyl ether	19.9961 ppb v/v
							Methylene Chloride	19.9961 ppb v/v
							n-Butanol	19.9961 ppb v/v
							n-Butylbenzene	19.9961 ppb v/v
							n-Decane	19.9961 ppb v/v
							n-Heptane	19.9961 ppb v/v
							n-Hexane	19.9961 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Nonane	19.9961 ppb v/v
							n-Octane	19.9961 ppb v/v
							N-Propylbenzene	19.9961 ppb v/v
							Naphthalene	19.9961 ppb v/v
							Pentane	19.9961 ppb v/v
							Propene	19.9961 ppb v/v
							sec-Butylbenzene	19.9961 ppb v/v
							Styrene	19.9961 ppb v/v
							tert-Butyl alcohol	19.9961 ppb v/v
							tert-Butylbenzene	19.9961 ppb v/v
							Tetrachloroethene	19.9961 ppb v/v
							Tetrahydrofuran	19.9961 ppb v/v
							Toluene	19.9961 ppb v/v
							trans-1,2-Dichloroethene	19.9961 ppb v/v
							trans-1,3-Dichloropropene	19.9961 ppb v/v
							Trichloroethene	19.9961 ppb v/v
							Trichlorofluoromethane	19.9961 ppb v/v
							Undecane	19.9961 ppb v/v
							Vinyl acetate	19.9961 ppb v/v
							Vinyl chloride	19.9961 ppb v/v
							Xylene, o-	19.9961 ppb v/v
					ATTO15EthCALw_00102	1237 mL	Ethanol	39.9987 ppb v/v
.ATTO15CALSTKi_00109	01/22/20	02/02/19	Nitrogen, Lot 13	37.5 L	ATTO15CALs_00033	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00033	01/22/20		Linde, Lot CC-133603		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m,p-Xylene	2 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00102	02/23/20	02/02/19	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21	Chem Service, Lot 5301900			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15CAL7w_00087	09/03/19	06/04/19	Nitrogen, Lot 12	15.463 L	ATTO15CALSTKi_00115	3092 mL	1,1,1-Trichloroethane	39.9922 ppb v/v
							1,1,2,2-Tetrachloroethane	39.9922 ppb v/v
							1,1,2-Trichloroethane	39.9922 ppb v/v
							1,1-Dichloroethane	39.9922 ppb v/v
							1,1-Dichloroethene	39.9922 ppb v/v
							1,2,3-Trichlorobenzene	39.9922 ppb v/v
							1,2,3-Trichloropropane	39.9922 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	39.9922 ppb v/v
							1,2,4-Trimethylbenzene	39.9922 ppb v/v
							1,2-Dibromoethane	39.9922 ppb v/v
							1,2-Dichlorobenzene	39.9922 ppb v/v
							1,2-Dichloroethane	39.9922 ppb v/v
							1,2-Dichloropropane	39.9922 ppb v/v
							1,2-Dichlorotetrafluoroethane	39.9922 ppb v/v
							1,3,5-Trimethylbenzene	39.9922 ppb v/v
							1,3-Butadiene	39.9922 ppb v/v
							1,3-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dichlorobenzene	39.9922 ppb v/v
							1,4-Dioxane	39.9922 ppb v/v
							2,2,4-Trimethylpentane	39.9922 ppb v/v
							2-Chlorotoluene	39.9922 ppb v/v
							2-Hexanone	39.9922 ppb v/v
							2-Methylbutane	39.9922 ppb v/v
							3-Chloropropene	39.9922 ppb v/v
							4-Ethyltoluene	39.9922 ppb v/v
							4-Isopropyltoluene	39.9922 ppb v/v
							Acetone	39.9922 ppb v/v
							Acetonitrile	39.9922 ppb v/v
							Acrolein	39.9922 ppb v/v
							Acrylonitrile	39.9922 ppb v/v
							Alpha Methyl Styrene	39.9922 ppb v/v
							Benzene	39.9922 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	39.9922 ppb v/v
							Bromodichloromethane	39.9922 ppb v/v
							Bromoethene(Vinyl Bromide)	39.9922 ppb v/v
							Bromoform	39.9922 ppb v/v
							Bromomethane	39.9922 ppb v/v
							Butane	39.9922 ppb v/v
							Carbon disulfide	39.9922 ppb v/v
							Carbon tetrachloride	39.9922 ppb v/v
							Chlorobenzene	39.9922 ppb v/v
							Chlorodifluoromethane	39.9922 ppb v/v
							Chloroethane	39.9922 ppb v/v
							Chloroform	39.9922 ppb v/v
							Chloromethane	39.9922 ppb v/v
							cis-1,2-Dichloroethene	39.9922 ppb v/v
							cis-1,3-Dichloropropene	39.9922 ppb v/v
							Cyclohexane	39.9922 ppb v/v
							Dibromochloromethane	39.9922 ppb v/v
							Dibromomethane	39.9922 ppb v/v
							Dichlorodifluoromethane	39.9922 ppb v/v
							Dodecane	39.9922 ppb v/v
							Ethyl acetate	39.9922 ppb v/v
							Ethyl ether	39.9922 ppb v/v
							Ethylbenzene	39.9922 ppb v/v
							Freon TF	39.9922 ppb v/v
							Hexachlorobutadiene	39.9922 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropyl alcohol	39.9922 ppb v/v
							Isopropylbenzene	39.9922 ppb v/v
							m,p-Xylene	79.9845 ppb v/v
							Methyl Ethyl Ketone	39.9922 ppb v/v
							methyl isobutyl ketone	39.9922 ppb v/v
							Methyl methacrylate	39.9922 ppb v/v
							Methyl tert-butyl ether	39.9922 ppb v/v
							Methylene Chloride	39.9922 ppb v/v
							n-Butanol	39.9922 ppb v/v
							n-Butylbenzene	39.9922 ppb v/v
							n-Decane	39.9922 ppb v/v
							n-Heptane	39.9922 ppb v/v
							n-Hexane	39.9922 ppb v/v
							n-Nonane	39.9922 ppb v/v
							n-Octane	39.9922 ppb v/v
							N-Propylbenzene	39.9922 ppb v/v
							Naphthalene	39.9922 ppb v/v
							Pentane	39.9922 ppb v/v
							Propene	39.9922 ppb v/v
							sec-Butylbenzene	39.9922 ppb v/v
							Styrene	39.9922 ppb v/v
							tert-Butyl alcohol	39.9922 ppb v/v
							tert-Butylbenzene	39.9922 ppb v/v
							Tetrachloroethene	39.9922 ppb v/v
							Tetrahydrofuran	39.9922 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	39.9922 ppb v/v
							trans-1,2-Dichloroethene	39.9922 ppb v/v
							trans-1,3-Dichloropropene	39.9922 ppb v/v
							Trichloroethene	39.9922 ppb v/v
							Trichlorofluoromethane	39.9922 ppb v/v
							Undecane	39.9922 ppb v/v
							Vinyl acetate	39.9922 ppb v/v
							Vinyl chloride	39.9922 ppb v/v
							Xylene, o-	39.9922 ppb v/v
					ATTO15EthCALw_00103	3092 mL	Ethanol	99.9806 ppb v/v
.ATTO15CALSTKi_00115	09/03/19	06/03/19	Nitrogen, Lot 13	15 L	ATTO15CALs_00033	3000 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							2-Methylbutane	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
..ATTO15CALs_00033	01/22/20		Linde, Lot CC-133603		(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							2-Methylbutane	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
.ATTO15EthCALw_00103	09/10/19	06/10/19	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21	Chem Service, Lot 5301900			(Purchased Reagent)		Ethanol	1 mL/mL
ATTO15GIS_00015							1,2-Dichloroethene, Total	
							1,4-Difluorobenzene	100 ppb v/v
							1,4-Pentadiene	
							BFB	100 ppb v/v
							Chlorobenzene-d5	100 ppb v/v
							Chlorobromomethane	100 ppb v/v
							Total Alkanes	
							Xylenes, Total	
ATTO15LCSW_00797	09/10/19	06/22/19	Nitrogen, Lot 13	15.463 L	ATTO15EthCALw_00103	464 mL	Ethanol	15.0036 ppb v/v
					ATTO15LCSSTKi_00104	773 mL	1,1,1-Trichloroethane	9.99806 ppb v/v
							1,1,2,2-Tetrachloroethane	9.99806 ppb v/v
							1,1,2-Trichloroethane	9.99806 ppb v/v
							1,1-Dichloroethane	9.99806 ppb v/v
							1,1-Dichloroethene	9.99806 ppb v/v
							1,2,3-Trichlorobenzene	9.99806 ppb v/v
							1,2,3-Trichloropropane	9.99806 ppb v/v
							1,2,4-Trichlorobenzene	9.99806 ppb v/v
							1,2,4-Trimethylbenzene	9.99806 ppb v/v
							1,2-Dibromoethane	9.99806 ppb v/v
							1,2-Dichlorobenzene	9.99806 ppb v/v
							1,2-Dichloroethane	9.99806 ppb v/v
							1,2-Dichloroethene, Total	19.9961 ppb v/v
							1,2-Dichloropropane	9.99806 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorotetrafluoroethane	9.99806 ppb v/v
							1,3,5-Trimethylbenzene	9.99806 ppb v/v
							1,3-Butadiene	9.99806 ppb v/v
							1,3-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dichlorobenzene	9.99806 ppb v/v
							1,4-Dioxane	9.99806 ppb v/v
							2,2,4-Trimethylpentane	9.99806 ppb v/v
							2-Chlorotoluene	9.99806 ppb v/v
							2-Hexanone	9.99806 ppb v/v
							3-Chloropropene	9.99806 ppb v/v
							4-Ethyltoluene	9.99806 ppb v/v
							4-Isopropyltoluene	9.99806 ppb v/v
							Acetone	9.99806 ppb v/v
							Acetonitrile	9.99806 ppb v/v
							Acrolein	9.99806 ppb v/v
							Acrylonitrile	9.99806 ppb v/v
							Alpha Methyl Styrene	9.99806 ppb v/v
							Benzene	9.99806 ppb v/v
							Benzyl chloride	9.99806 ppb v/v
							Bromodichloromethane	9.99806 ppb v/v
							Bromoethene(Vinyl Bromide)	9.99806 ppb v/v
							Bromoform	9.99806 ppb v/v
							Bromomethane	9.99806 ppb v/v
							Butane	9.99806 ppb v/v
							Carbon disulfide	9.99806 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	9.99806 ppb v/v
							Chlorobenzene	9.99806 ppb v/v
							Chlorodifluoromethane	9.99806 ppb v/v
							Chloroethane	9.99806 ppb v/v
							Chloroform	9.99806 ppb v/v
							Chloromethane	9.99806 ppb v/v
							cis-1,2-Dichloroethene	9.99806 ppb v/v
							cis-1,3-Dichloropropene	9.99806 ppb v/v
							Cyclohexane	9.99806 ppb v/v
							Dibromochloromethane	9.99806 ppb v/v
							Dibromomethane	9.99806 ppb v/v
							Dichlorodifluoromethane	9.99806 ppb v/v
							Dodecane	9.99806 ppb v/v
							Ethyl acetate	9.99806 ppb v/v
							Ethyl ether	9.99806 ppb v/v
							Ethylbenzene	9.99806 ppb v/v
							Freon TF	9.99806 ppb v/v
							Hexachlorobutadiene	9.99806 ppb v/v
							Isopropyl alcohol	9.99806 ppb v/v
							Isopropylbenzene	9.99806 ppb v/v
							m,p-Xylene	19.9961 ppb v/v
							Methyl Ethyl Ketone	9.99806 ppb v/v
							methyl isobutyl ketone	9.99806 ppb v/v
							Methyl methacrylate	9.99806 ppb v/v
							Methyl tert-butyl ether	9.99806 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	9.99806 ppb v/v
							n-Butanol	9.99806 ppb v/v
							n-Butylbenzene	9.99806 ppb v/v
							n-Decane	9.99806 ppb v/v
							n-Heptane	9.99806 ppb v/v
							n-Hexane	9.99806 ppb v/v
							n-Nonane	9.99806 ppb v/v
							n-Octane	9.99806 ppb v/v
							N-Propylbenzene	9.99806 ppb v/v
							Naphthalene	9.99806 ppb v/v
							Pentane	9.99806 ppb v/v
							Propene	9.99806 ppb v/v
							sec-Butylbenzene	9.99806 ppb v/v
							Styrene	9.99806 ppb v/v
							tert-Butyl alcohol	9.99806 ppb v/v
							tert-Butylbenzene	9.99806 ppb v/v
							Tetrachloroethene	9.99806 ppb v/v
							Tetrahydrofuran	9.99806 ppb v/v
							Toluene	9.99806 ppb v/v
							trans-1,2-Dichloroethene	9.99806 ppb v/v
							trans-1,3-Dichloropropene	9.99806 ppb v/v
							Trichloroethene	9.99806 ppb v/v
							Trichlorofluoromethane	9.99806 ppb v/v
							Undecane	9.99806 ppb v/v
							Vinyl acetate	9.99806 ppb v/v

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl chloride	9.99806 ppb v/v
							Xylene, o-	9.99806 ppb v/v
							Xylenes, Total	29.9942 ppb v/v
.ATTO15EthCALw_00103	09/10/19	06/10/19	Nitrogen, Lot 12	37.5 ppb	ATTO15EthCALs_00009	18.75 uL	Ethanol	500 ppb v/v
..ATTO15EthCALs_00009	09/05/21		Chem Service, Lot 5301900		(Purchased Reagent)		Ethanol	1 mL/mL
.ATTO15LCSSTKi_00104	09/21/19	06/21/19	Nitrogen, Lot 12	37.5 L	ATTO15LCSs_00025	7500 mL	1,1,1-Trichloroethane	200 ppb v/v
							1,1,2,2-Tetrachloroethane	200 ppb v/v
							1,1,2-Trichloroethane	200 ppb v/v
							1,1-Dichloroethane	200 ppb v/v
							1,1-Dichloroethene	200 ppb v/v
							1,2,3-Trichlorobenzene	200 ppb v/v
							1,2,3-Trichloropropane	200 ppb v/v
							1,2,4-Trichlorobenzene	200 ppb v/v
							1,2,4-Trimethylbenzene	200 ppb v/v
							1,2-Dibromoethane	200 ppb v/v
							1,2-Dichlorobenzene	200 ppb v/v
							1,2-Dichloroethane	200 ppb v/v
							1,2-Dichloroethene, Total	400 ppb v/v
							1,2-Dichloropropane	200 ppb v/v
							1,2-Dichlorotetrafluoroethane	200 ppb v/v
							1,3,5-Trimethylbenzene	200 ppb v/v
							1,3-Butadiene	200 ppb v/v
							1,3-Dichlorobenzene	200 ppb v/v
							1,4-Dichlorobenzene	200 ppb v/v
							1,4-Dioxane	200 ppb v/v
							2,2,4-Trimethylpentane	200 ppb v/v
							2-Chlorotoluene	200 ppb v/v
							2-Hexanone	200 ppb v/v
							3-Chloropropene	200 ppb v/v
							4-Ethyltoluene	200 ppb v/v
							4-Isopropyltoluene	200 ppb v/v
							Acetone	200 ppb v/v
							Acetonitrile	200 ppb v/v
							Acrolein	200 ppb v/v
							Acrylonitrile	200 ppb v/v
							Alpha Methyl Styrene	200 ppb v/v
							Benzene	200 ppb v/v
							Benzyl chloride	200 ppb v/v
							Bromodichloromethane	200 ppb v/v
							Bromoethene(Vinyl Bromide)	200 ppb v/v
							Bromoform	200 ppb v/v
							Bromomethane	200 ppb v/v
							Butane	200 ppb v/v
							Carbon disulfide	200 ppb v/v
							Carbon tetrachloride	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	200 ppb v/v
							Chlorodifluoromethane	200 ppb v/v
							Chloroethane	200 ppb v/v
							Chloroform	200 ppb v/v
							Chloromethane	200 ppb v/v
							cis-1,2-Dichloroethene	200 ppb v/v
							cis-1,3-Dichloropropene	200 ppb v/v
							Cyclohexane	200 ppb v/v
							Dibromochloromethane	200 ppb v/v
							Dibromomethane	200 ppb v/v
							Dichlorodifluoromethane	200 ppb v/v
							Dodecane	200 ppb v/v
							Ethyl acetate	200 ppb v/v
							Ethyl ether	200 ppb v/v
							Ethylbenzene	200 ppb v/v
							Freon TF	200 ppb v/v
							Hexachlorobutadiene	200 ppb v/v
							Isopropyl alcohol	200 ppb v/v
							Isopropylbenzene	200 ppb v/v
							m,p-Xylene	400 ppb v/v
							Methyl Ethyl Ketone	200 ppb v/v
							methyl isobutyl ketone	200 ppb v/v
							Methyl methacrylate	200 ppb v/v
							Methyl tert-butyl ether	200 ppb v/v
							Methylene Chloride	200 ppb v/v
							n-Butanol	200 ppb v/v
							n-Butylbenzene	200 ppb v/v
							n-Decane	200 ppb v/v
							n-Heptane	200 ppb v/v
							n-Hexane	200 ppb v/v
							n-Nonane	200 ppb v/v
							n-Octane	200 ppb v/v
							N-Propylbenzene	200 ppb v/v
							Naphthalene	200 ppb v/v
							Pentane	200 ppb v/v
							Propene	200 ppb v/v
							sec-Butylbenzene	200 ppb v/v
							Styrene	200 ppb v/v
							tert-Butyl alcohol	200 ppb v/v
							tert-Butylbenzene	200 ppb v/v
							Tetrachloroethene	200 ppb v/v
							Tetrahydrofuran	200 ppb v/v
							Toluene	200 ppb v/v
							trans-1,2-Dichloroethene	200 ppb v/v
							trans-1,3-Dichloropropene	200 ppb v/v
							Trichloroethene	200 ppb v/v
							Trichlorofluoromethane	200 ppb v/v
							Undecane	200 ppb v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vinyl acetate	200 ppb v/v
							Vinyl chloride	200 ppb v/v
							Xylene, o-	200 ppb v/v
							Xylenes, Total	600 ppb v/v
..ATTO15LCSs_00025	01/22/20	Spectra Gases, Lot CC-250179			(Purchased Reagent)		1,1,1-Trichloroethane	1 ppm v/v
							1,1,2,2-Tetrachloroethane	1 ppm v/v
							1,1,2-Trichloroethane	1 ppm v/v
							1,1-Dichloroethane	1 ppm v/v
							1,1-Dichloroethene	1 ppm v/v
							1,2,3-Trichlorobenzene	1 ppm v/v
							1,2,3-Trichloropropane	1 ppm v/v
							1,2,4-Trichlorobenzene	1 ppm v/v
							1,2,4-Trimethylbenzene	1 ppm v/v
							1,2-Dibromoethane	1 ppm v/v
							1,2-Dichlorobenzene	1 ppm v/v
							1,2-Dichloroethane	1 ppm v/v
							1,2-Dichloroethene, Total	2 ppm v/v
							1,2-Dichloropropane	1 ppm v/v
							1,2-Dichlorotetrafluoroethane	1 ppm v/v
							1,3,5-Trimethylbenzene	1 ppm v/v
							1,3-Butadiene	1 ppm v/v
							1,3-Dichlorobenzene	1 ppm v/v
							1,4-Dichlorobenzene	1 ppm v/v
							1,4-Dioxane	1 ppm v/v
							2,2,4-Trimethylpentane	1 ppm v/v
							2-Chlorotoluene	1 ppm v/v
							2-Hexanone	1 ppm v/v
							3-Chloropropene	1 ppm v/v
							4-Ethyltoluene	1 ppm v/v
							4-Isopropyltoluene	1 ppm v/v
							Acetone	1 ppm v/v
							Acetonitrile	1 ppm v/v
							Acrolein	1 ppm v/v
							Acrylonitrile	1 ppm v/v
							Alpha Methyl Styrene	1 ppm v/v
							Benzene	1 ppm v/v
							Benzyl chloride	1 ppm v/v
							Bromodichloromethane	1 ppm v/v
							Bromoethene(Vinyl Bromide)	1 ppm v/v
							Bromoform	1 ppm v/v
							Bromomethane	1 ppm v/v
							Butane	1 ppm v/v
							Carbon disulfide	1 ppm v/v
							Carbon tetrachloride	1 ppm v/v
							Chlorobenzene	1 ppm v/v
							Chlorodifluoromethane	1 ppm v/v
							Chloroethane	1 ppm v/v
							Chloroform	1 ppm v/v

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	1 ppm v/v
							cis-1,2-Dichloroethene	1 ppm v/v
							cis-1,3-Dichloropropene	1 ppm v/v
							Cyclohexane	1 ppm v/v
							Dibromochloromethane	1 ppm v/v
							Dibromomethane	1 ppm v/v
							Dichlorodifluoromethane	1 ppm v/v
							Dodecane	1 ppm v/v
							Ethyl acetate	1 ppm v/v
							Ethyl ether	1 ppm v/v
							Ethylbenzene	1 ppm v/v
							Freon TF	1 ppm v/v
							Hexachlorobutadiene	1 ppm v/v
							Isopropyl alcohol	1 ppm v/v
							Isopropylbenzene	1 ppm v/v
							m,p-Xylene	2 ppm v/v
							Methyl Ethyl Ketone	1 ppm v/v
							methyl isobutyl ketone	1 ppm v/v
							Methyl methacrylate	1 ppm v/v
							Methyl tert-butyl ether	1 ppm v/v
							Methylene Chloride	1 ppm v/v
							n-Butanol	1 ppm v/v
							n-Butylbenzene	1 ppm v/v
							n-Decane	1 ppm v/v
							n-Heptane	1 ppm v/v
							n-Hexane	1 ppm v/v
							n-Nonane	1 ppm v/v
							n-Octane	1 ppm v/v
							N-Propylbenzene	1 ppm v/v
							Naphthalene	1 ppm v/v
							Pentane	1 ppm v/v
							Propene	1 ppm v/v
							sec-Butylbenzene	1 ppm v/v
							Styrene	1 ppm v/v
							tert-Butyl alcohol	1 ppm v/v
							tert-Butylbenzene	1 ppm v/v
							Tetrachloroethene	1 ppm v/v
							Tetrahydrofuran	1 ppm v/v
							Toluene	1 ppm v/v
							trans-1,2-Dichloroethene	1 ppm v/v
							trans-1,3-Dichloropropene	1 ppm v/v
							Trichloroethene	1 ppm v/v
							Trichlorofluoromethane	1 ppm v/v
							Undecane	1 ppm v/v
							Vinyl acetate	1 ppm v/v
							Vinyl chloride	1 ppm v/v
							Xylene, o-	1 ppm v/v
							Xylenes, Total	3 ppm v/v

Method Summary

Client: SESI Consulting Engineers
Job ID: 200-49721-1
Project/Site: 500 Main St., New Rochelle, NY

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

CASE NARRATIVE

Client: SESI Consulting Engineers

Project: 500 Main St., New Rochelle, NY

Report Number: 200-49721-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 7/22/2019 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANICS (AMBIENT AIR)
Samples SV-1 (200-49721-1), SV-2 (200-49721-2), SV-3 (200-49721-3) and SV-4 (200-49721-4) were analyzed for Volatile Organics (Ambient Air) in accordance with EPA Method TO15. The samples were analyzed on 07/24/2019 and 07/25/2019.

Samples SV-1 (200-49721-1)[10X], SV-2 (200-49721-2)[10X], SV-3 (200-49721-3)[10X] and SV-4 (200-49721-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the VOCs analysis.

All quality control parameters were within the acceptance limits.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 144428

Lab Sample ID: IC 200-144428/5 Client Sample ID:

Date Analyzed: 06/24/19 19:47 Lab File ID: 200-36487-005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.19	Baseline	desjardin sb	06/25/19 08:41
3-Chloropropene	6.18	Baseline	desjardin sb	06/25/19 08:42
Methylene Chloride	6.41	Baseline	desjardin sb	06/25/19 08:42
Acrylonitrile	6.94	Baseline	desjardin sb	06/25/19 08:42
cis-1,2-Dichloroethene	8.59	Baseline	desjardin sb	06/25/19 08:42
Methyl Ethyl Ketone	8.64	Peak assignment corrected	desjardin sb	06/25/19 08:56
Chloroform	9.11	Baseline	desjardin sb	06/25/19 08:43
Cyclohexane	9.37	Baseline	desjardin sb	06/25/19 08:43
1,2-Dichloropropane	11.82	Baseline	desjardin sb	06/25/19 08:43
Dibromomethane	12.07	Baseline	desjardin sb	06/25/19 08:43
Bromodichloromethane	12.36	Baseline	desjardin sb	06/25/19 08:44
cis-1,3-Dichloropropene	13.28	Baseline	desjardin sb	06/25/19 08:44
Toluene	13.87	Baseline	desjardin sb	06/25/19 08:44
4-Ethyltoluene	19.91	Baseline	desjardin sb	06/25/19 08:44

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 144428

Lab Sample ID: IC 200-144428/6 Client Sample ID:

Date Analyzed: 06/24/19 20:38 Lab File ID: 200-36487-006.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Ethyl Ketone	8.62	Peak assignment corrected	desjardin sb	06/25/19 08:56
n-Heptane	10.41	Baseline	desjardin sb	06/25/19 08:46
Styrene	18.15	Baseline	desjardin sb	06/25/19 08:46
Cumene	18.87	Baseline	desjardin sb	06/25/19 08:47
Naphthalene	24.61	Baseline	desjardin sb	06/25/19 08:47

Lab Sample ID: IC 200-144428/7 Client Sample ID:

Date Analyzed: 06/24/19 21:29 Lab File ID: 200-36487-007.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Ethyl Ketone	8.62	Peak assignment corrected	desjardin sb	06/25/19 08:55
1,4-Dioxane	12.09	Peak assignment corrected	desjardin sb	06/25/19 08:48

Lab Sample ID: ICIS 200-144428/8 Client Sample ID:

Date Analyzed: 06/24/19 22:19 Lab File ID: 200-36487-008.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Ethyl Ketone	8.62	Peak assignment corrected	desjardin sb	06/25/19 08:52
1,4-Dioxane	12.09	Peak assignment corrected	desjardin sb	06/25/19 08:49

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 144428

Lab Sample ID: IC 200-144428/9 Client Sample ID:

Date Analyzed: 06/24/19 23:09 Lab File ID: 200-36487-009.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Ethyl Ketone	8.62	Peak assignment corrected	desjardin sb	06/25/19 08:57
1,4-Dioxane	12.09	Baseline	desjardin sb	06/25/19 09:01

Lab Sample ID: IC 200-144428/12 Client Sample ID:

Date Analyzed: 06/25/19 01:41 Lab File ID: 200-36487-012.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Ethyl Ketone	8.62	Peak assignment corrected	desjardin sb	06/25/19 08:57
1,4-Dioxane	12.09	Peak assignment corrected	desjardin sb	06/25/19 09:02

Lab Sample ID: IC 200-144428/13 Client Sample ID:

Date Analyzed: 06/25/19 02:32 Lab File ID: 200-36487-013.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl Ethyl Ketone	8.63	Peak assignment corrected	desjardin sb	06/25/19 08:58
1,4-Dioxane	12.09	Baseline	desjardin sb	06/25/19 08:59

Lab Sample ID: ICV 200-144428/16 Client Sample ID:

Date Analyzed: 06/25/19 05:04 Lab File ID: 200-36487-016.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	12.09	Peak assignment corrected	desjardin sb	06/25/19 09:28

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: MB 200-145426/5 Client Sample ID:

Date Analyzed: 07/24/19 14:01 Lab File ID: 200-368922-005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2,2-Tetrachloroethane		Invalid Compound ID	puangmalee k	07/25/19 11:24
1,1-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 11:22
1,2,4-Trimethylbenzene		Invalid Compound ID	puangmalee k	07/25/19 11:24
1,2-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 11:28
1,2-Dichlorotetrafluoroethane		Invalid Compound ID	puangmalee k	07/25/19 11:22
1,3,5-Trimethylbenzene		Invalid Compound ID	puangmalee k	07/25/19 11:24
1,3-Butadiene		Invalid Compound ID	puangmalee k	07/25/19 11:22
2-Chlorotoluene		Invalid Compound ID	puangmalee k	07/25/19 11:24
3-Chloropropene		Invalid Compound ID	puangmalee k	07/25/19 11:23
4-Ethyltoluene		Invalid Compound ID	puangmalee k	07/25/19 11:24
Acetone		Invalid Compound ID	puangmalee k	07/25/19 11:22
Benzene		Invalid Compound ID	puangmalee k	07/25/19 11:23
Bromoform		Invalid Compound ID	puangmalee k	07/25/19 11:24
Bromomethane		Invalid Compound ID	puangmalee k	07/25/19 11:22
Carbon disulfide		Invalid Compound ID	puangmalee k	07/25/19 11:23
Chlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 11:24
Chloromethane		Invalid Compound ID	puangmalee k	07/25/19 11:22

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: MB 200-145426/5 Client Sample ID:

Date Analyzed: 07/24/19 14:01 Lab File ID: 200-368922-005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene		Invalid Compound ID	puangmalek	07/25/19 11:23
cis-1,3-Dichloropropene		Invalid Compound ID	puangmalek	07/25/19 11:23
Cyclohexane		Invalid Compound ID	puangmalek	07/25/19 11:23
Dibromochloromethane		Invalid Compound ID	puangmalek	07/25/19 11:23
Dichlorodifluoromethane		Invalid Compound ID	puangmalek	07/25/19 11:22
Ethanol		Invalid Compound ID	puangmalek	07/25/19 11:22
Ethylbenzene		Invalid Compound ID	puangmalek	07/25/19 11:24
Freon TF		Invalid Compound ID	puangmalek	07/25/19 11:22
Hexachlorobutadiene		Invalid Compound ID	puangmalek	07/25/19 11:28
Isopropyl alcohol		Invalid Compound ID	puangmalek	07/25/19 11:23
m,p-Xylene		Invalid Compound ID	puangmalek	07/25/19 11:24
methyl isobutyl ketone		Invalid Compound ID	puangmalek	07/25/19 11:23
Methyl tert-butyl ether		Invalid Compound ID	puangmalek	07/25/19 11:23
n-Heptane		Invalid Compound ID	puangmalek	07/25/19 11:23
Styrene		Invalid Compound ID	puangmalek	07/25/19 11:24
Tetrahydrofuran		Invalid Compound ID	puangmalek	07/25/19 11:23
Toluene		Invalid Compound ID	puangmalek	07/25/19 11:23

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: MB 200-145426/5 Client Sample ID:

Date Analyzed: 07/24/19 14:01 Lab File ID: 200-368922-005.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
trans-1,2-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 11:23
trans-1,3-Dichloropropene		Invalid Compound ID	puangmalee k	07/25/19 11:23
Trichlorofluoromethane		Invalid Compound ID	puangmalee k	07/25/19 11:22
Vinyl chloride		Invalid Compound ID	puangmalee k	07/25/19 11:22
Naphthalene	24.59	Assign Peak	puangmalee k	07/25/19 11:28

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-1 Client Sample ID: SV-1

Date Analyzed: 07/24/19 21:57 Lab File ID: 200-368922-014.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	3.39	Assign Peak	puangmalee k	07/25/19 13:01
1,1,2,2-Tetrachloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:03
1,1,2-Trichloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:03
1,1-Dichloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:02
1,1-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:01
1,2,4-Trichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:04
1,2-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:04
1,2-Dichlorotetrafluoroethane		Invalid Compound ID	puangmalee k	07/25/19 13:01
1,3,5-Trimethylbenzene		Invalid Compound ID	puangmalee k	07/25/19 13:04
1,3-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:04
1,4-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:04
1,4-Dioxane		Invalid Compound ID	puangmalee k	07/25/19 13:03
2,2,4-Trimethylpentane		Invalid Compound ID	puangmalee k	07/25/19 13:02
2-Chlorotoluene		Invalid Compound ID	puangmalee k	07/25/19 13:03
3-Chloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:01
4-Ethyltoluene		Invalid Compound ID	puangmalee k	07/25/19 13:04
Bromodichloromethane		Invalid Compound ID	puangmalee k	07/25/19 13:03

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-1 Client Sample ID: SV-1

Date Analyzed: 07/24/19 21:57 Lab File ID: 200-368922-014.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromoethene(Vinyl Bromide)		Invalid Compound ID	puangmalee k	07/25/19 13:01
Bromomethane		Invalid Compound ID	puangmalee k	07/25/19 13:01
Chlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:03
Chloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:01
Chloroform		Invalid Compound ID	puangmalee k	07/25/19 13:02
cis-1,2-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:02
Dibromochloromethane		Invalid Compound ID	puangmalee k	07/25/19 13:03
Freon TF		Invalid Compound ID	puangmalee k	07/25/19 13:01
Methyl methacrylate		Invalid Compound ID	puangmalee k	07/25/19 13:03
Methyl tert-butyl ether		Invalid Compound ID	puangmalee k	07/25/19 13:02
Methylene Chloride		Invalid Compound ID	puangmalee k	07/25/19 13:01
tert-Butyl alcohol		Invalid Compound ID	puangmalee k	07/25/19 13:02
Tetrachloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:03
Tetrahydrofuran		Invalid Compound ID	puangmalee k	07/25/19 13:02
trans-1,3-Dichloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:03
Trichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:02
Trichlorofluoromethane		Invalid Compound ID	puangmalee k	07/25/19 13:01

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-1 Client Sample ID: SV-1

Date Analyzed: 07/24/19 21:57 Lab File ID: 200-368922-014.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
m,p-Xylene	17.24	Assign Peak	puangmalee k	07/25/19 13:03
Xylene, o-	18.07	Assign Peak	puangmalee k	07/25/19 13:03

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-2 Client Sample ID: SV-2

Date Analyzed: 07/24/19 22:49 Lab File ID: 200-368922-015.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.08	Assign Peak	puangmalee k	07/25/19 13:06
Methyl Ethyl Ketone	8.62	Assign Peak	puangmalee k	07/25/19 13:07
Cyclohexane	9.36	Assign Peak	puangmalee k	07/25/19 13:07
1,1,2,2-Tetrachloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:09
1,1-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:06
1,2,4-Trichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:09
1,2-Dibromoethane		Invalid Compound ID	puangmalee k	07/25/19 13:08
1,2-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:09
1,2-Dichlorotetrafluoroethane		Invalid Compound ID	puangmalee k	07/25/19 13:06
1,3,5-Trimethylbenzene		Invalid Compound ID	puangmalee k	07/25/19 13:09
1,3-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:09
1,4-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:09
1,4-Dioxane		Invalid Compound ID	puangmalee k	07/25/19 13:08
2-Chlorotoluene		Invalid Compound ID	puangmalee k	07/25/19 13:09
3-Chloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:07
4-Ethyltoluene		Invalid Compound ID	puangmalee k	07/25/19 13:09
Bromoethene(Vinyl Bromide)		Invalid Compound ID	puangmalee k	07/25/19 13:06

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-2 Client Sample ID: SV-2

Date Analyzed: 07/24/19 22:49 Lab File ID: 200-368922-015.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:06
Chloromethane		Invalid Compound ID	puangmalee k	07/25/19 13:06
cis-1,2-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:07
cis-1,3-Dichloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:08
Dichlorodifluoromethane		Invalid Compound ID	puangmalee k	07/25/19 13:06
Freon TF		Invalid Compound ID	puangmalee k	07/25/19 13:06
Hexachlorobutadiene		Invalid Compound ID	puangmalee k	07/25/19 13:09
Isopropyl alcohol		Invalid Compound ID	puangmalee k	07/25/19 13:07
Methyl methacrylate		Invalid Compound ID	puangmalee k	07/25/19 13:08
Methyl tert-butyl ether		Invalid Compound ID	puangmalee k	07/25/19 13:07
Methylene Chloride		Invalid Compound ID	puangmalee k	07/25/19 13:07
Naphthalene		Invalid Compound ID	puangmalee k	07/25/19 13:05
Styrene		Invalid Compound ID	puangmalee k	07/25/19 13:09
tert-Butyl alcohol		Invalid Compound ID	puangmalee k	07/25/19 13:07
Tetrahydrofuran		Invalid Compound ID	puangmalee k	07/25/19 13:07
trans-1,2-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:07
trans-1,3-Dichloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:08

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-2 Client Sample ID: SV-2

Date Analyzed: 07/24/19 22:49 Lab File ID: 200-368922-015.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Xylene, o-		Invalid Compound ID	puangmalee k	07/25/19 13:08
n-Heptane	10.37	Assign Peak	puangmalee k	07/25/19 13:08
Ethylbenzene	16.99	Assign Peak	puangmalee k	07/25/19 13:08
m,p-Xylene	17.25	Assign Peak	puangmalee k	07/25/19 13:08

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-3 Client Sample ID: SV-3

Date Analyzed: 07/24/19 23:42 Lab File ID: 200-368922-016.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethanol	5.09	Assign Peak	puangmalee k	07/25/19 13:11
Chloroform	9.09	Assign Peak	puangmalee k	07/25/19 13:12
1,1,1-Trichloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:12
1,1,2,2-Tetrachloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:13
1,1-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:11
1,2,4-Trichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:13
1,2-Dibromoethane		Invalid Compound ID	puangmalee k	07/25/19 13:13
1,2-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:13
1,2-Dichlorotetrafluoroethane		Invalid Compound ID	puangmalee k	07/25/19 13:10
1,3,5-Trimethylbenzene		Invalid Compound ID	puangmalee k	07/25/19 13:13
1,3-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:13
1,4-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:13
2-Chlorotoluene		Invalid Compound ID	puangmalee k	07/25/19 13:13
3-Chloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:11
4-Ethyltoluene		Invalid Compound ID	puangmalee k	07/25/19 13:13
Bromodichloromethane		Invalid Compound ID	puangmalee k	07/25/19 13:12
Bromoethene(Vinyl Bromide)		Invalid Compound ID	puangmalee k	07/25/19 13:10

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-3 Client Sample ID: SV-3

Date Analyzed: 07/24/19 23:42 Lab File ID: 200-368922-016.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	puangmalee k	07/25/19 13:10
Chloromethane		Invalid Compound ID	puangmalee k	07/25/19 13:10
cis-1,2-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:11
cis-1,3-Dichloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:12
Cyclohexane		Invalid Compound ID	puangmalee k	07/25/19 13:12
Freon TF		Invalid Compound ID	puangmalee k	07/25/19 13:11
Hexachlorobutadiene		Invalid Compound ID	puangmalee k	07/25/19 13:14
Methylene Chloride		Invalid Compound ID	puangmalee k	07/25/19 13:11
Naphthalene		Invalid Compound ID	puangmalee k	07/25/19 13:10
Styrene		Invalid Compound ID	puangmalee k	07/25/19 13:13
Tetrahydrofuran		Invalid Compound ID	puangmalee k	07/25/19 13:11
trans-1,3-Dichloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:12
n-Heptane	10.39	Assign Peak	puangmalee k	07/25/19 13:12
Toluene	13.85	Assign Peak	puangmalee k	07/25/19 13:12
Tetrachloroethene	14.93	Assign Peak	puangmalee k	07/25/19 13:12
Ethylbenzene	16.98	Assign Peak	puangmalee k	07/25/19 13:13
Xylene, o-	18.07	Assign Peak	puangmalee k	07/25/19 13:13

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-4 Client Sample ID: SV-4

Date Analyzed: 07/25/19 00:34 Lab File ID: 200-368922-017.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	9.35	Assign Peak	puangmalee k	07/25/19 13:16
1,1,2,2-Tetrachloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:17
1,1-Dichloroethane		Invalid Compound ID	puangmalee k	07/25/19 13:15
1,1-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:15
1,2,4-Trichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:18
1,2-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:18
1,2-Dichlorotetrafluoroethane		Invalid Compound ID	puangmalee k	07/25/19 13:15
1,3,5-Trimethylbenzene		Invalid Compound ID	puangmalee k	07/25/19 13:18
1,3-Butadiene		Invalid Compound ID	puangmalee k	07/25/19 13:15
1,3-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:18
1,4-Dichlorobenzene		Invalid Compound ID	puangmalee k	07/25/19 13:18
2-Chlorotoluene		Invalid Compound ID	puangmalee k	07/25/19 13:17
3-Chloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:15
4-Ethyltoluene		Invalid Compound ID	puangmalee k	07/25/19 13:18
Bromomethane		Invalid Compound ID	puangmalee k	07/25/19 13:15
Carbon tetrachloride		Invalid Compound ID	puangmalee k	07/25/19 13:16
cis-1,2-Dichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:16

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Burlin Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Analysis Batch Number: 145426

Lab Sample ID: 200-49721-4 Client Sample ID: SV-4

Date Analyzed: 07/25/19 00:34 Lab File ID: 200-368922-017.D GC Column: RTX-624 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Hexachlorobutadiene		Invalid Compound ID	puangmalee k	07/25/19 13:18
methyl isobutyl ketone		Invalid Compound ID	puangmalee k	07/25/19 13:17
Naphthalene		Invalid Compound ID	puangmalee k	07/25/19 13:14
Styrene		Invalid Compound ID	puangmalee k	07/25/19 13:17
Tetrachloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:17
Tetrahydrofuran		Invalid Compound ID	puangmalee k	07/25/19 13:16
trans-1,3-Dichloropropene		Invalid Compound ID	puangmalee k	07/25/19 13:17
Trichloroethene		Invalid Compound ID	puangmalee k	07/25/19 13:17
n-Heptane	10.38	Assign Peak	puangmalee k	07/25/19 13:16
Toluene	13.85	Assign Peak	puangmalee k	07/25/19 13:17
Ethylbenzene	16.97	Assign Peak	puangmalee k	07/25/19 13:17

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
Dichlorodifluoromethane	75-71-8	120.91	5.0	U	25			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	2.0	U	14			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
1,3-Butadiene	106-99-0	54.09	61		140			
Bromomethane	74-83-9	94.94	2.0	U	8			
Chloroethane	75-00-3	64.52	5.0	U	13			
Bromoethene(Vinyl Bromide)	593-60-2	106.96	2.0	U	9			
Trichlorofluoromethane	75-69-4	137.37	2.0	U	11			
Freon TF	76-13-1	187.38	2.0	U	15			
1,1-Dichloroethene	75-35-4	96.94	2.0	U	8			
Acetone	67-64-1	58.08	50	U	120			
Carbon disulfide	75-15-0	76.14	5.0	U	16			
Ethanol	64-17-5	46.07	87		160			
3-Chloropropene	107-05-1	76.53	5.0	U	16			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
tert-Butyl alcohol	75-65-0	74.12	50	U	150			
Isopropyl alcohol	67-63-0	60.10	50	U	120			
Methyl tert-butyl ether	1634-04-4	88.15	2.0	U	7			
trans-1,2-Dichloroethene	156-60-5	96.94	2.0	U	8			
n-Hexane	110-54-3	86.17	20		69			
1,1-Dichloroethane	75-34-3	98.96	2.0	U	8			
Methyl Ethyl Ketone	78-93-3	72.11	7.2		21			
cis-1,2-Dichloroethene	156-59-2	96.94	2.0	U	8			
Chloroform	67-66-3	119.38	2.0	U	10			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
Cyclohexane	110-82-7	84.16	2.0	U	7			
Carbon tetrachloride	56-23-5	153.81	2.0	U	13			
2,2,4-Trimethylpentane	540-84-1	114.23	2.0	U	9			
Benzene	71-43-2	78.11	3.9		12			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
n-Heptane	142-82-5	100.21	4.2		17			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,2-Dichloropropane	78-87-5	112.99	2.0	U	9			
Tetrahydrofuran	109-99-9	72.11	50	U	150			
Bromodichloromethane	75-27-4	163.83	2.0	U	13			
cis-1,3-Dichloropropene	10061-01-5	110.97	2.0	U	9			
methyl isobutyl ketone	108-10-1	100.16	5.0	U	20			
Toluene	108-88-3	92.14	4.4		17			
trans-1,3-Dichloropropene	10061-02-6	110.97	2.0	U	9			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
Dibromochloromethane	124-48-1	208.29	2.0	U	17			
1,2-Dibromoethane	106-93-4	187.87	2.0	U	15			
Methyl methacrylate	80-62-6	100.12	5.0	U	20			
Chlorobenzene	108-90-7	112.56	2.0	U	9			
1,4-Dioxane	123-91-1	88.11	50	U	180			
Ethylbenzene	100-41-4	106.17	2.0	U	9			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
m,p-Xylene	179601-23-1	106.17	5.0	U	22			
Xylene, o-	95-47-6	106.17	2.0	U	9			
Styrene	100-42-5	104.15	2.0	U	9			
Bromoform	75-25-2	252.75	2.0	U	21			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			
4-Ethyltoluene	622-96-8	120.20	2.0	U	10			
1,3,5-Trimethylbenzene	108-67-8	120.20	2.0	U	10			
2-Chlorotoluene	95-49-8	126.59	2.0	U	10			
1,2,4-Trimethylbenzene	95-63-6	120.20	2.0	U	10			
1,3-Dichlorobenzene	541-73-1	147.00	2.0	U	12			
1,4-Dichlorobenzene	106-46-7	147.00	2.0	U	12			
1,2-Dichlorobenzene	95-50-1	147.00	2.0	U	12			
1,2,4-Trichlorobenzene	120-82-1	181.45	5.0	U	37			
Hexachlorobutadiene	87-68-3	260.76	2.0	U	21			
Naphthalene	91-20-3	128.17	5.0	U	26			
Tenatively Identified Compounds								
Unknown			19	J		2.98		
Allene	463-49-0		64	J N		3.23		
Unknown			57	J		3.31		
Unknown			12	J		3.67		
Unknown			47	J		3.81		
Unknown			12	J		3.87		
Unknown			19	J		4.17		
Butane, 2-methyl-	78-78-4		34	J N		4.34		
1-Pentene	109-67-1		57	J N		4.68		
Pentane	109-66-0		49	J N		4.76		
Cyclopropane, 1,2-dimethyl-, cis-	930-18-7		47	J N		4.81		
Unknown			37	J		5.17		
1,4-Pentadiene	591-93-5		15	J N		5.60		
1-Pentene, 3-methyl-	760-20-3		15	J N		6.13		
Unknown			10	J		6.38		
Unknown			12	J		6.68		
1-Pentene, 2-methyl-	763-29-1		37	J N		7.01		
Unknown			19	J		8.90		
Unknown			13	J		9.13		
Cyclotrisiloxane, hexamethyl-	541-05-9		29	J N		14.52		
Cyclohexane, 1,1,3-trimethyl-	3073-66-3		29	J N		15.57		
Unknown			35	J		19.41		
Unknown			13	J		21.69		
Unknown			23	J		22.27		

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
Dichlorodifluoromethane	75-71-8	120.91	5.0	U	25			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	2.0	U	14			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
1,3-Butadiene	106-99-0	54.09	5.4		12			
Bromomethane	74-83-9	94.94	2.0	U	8			
Chloroethane	75-00-3	64.52	5.0	U	13			
Bromoethene(Vinyl Bromide)	593-60-2	106.96	2.0	U	9			
Trichlorofluoromethane	75-69-4	137.37	2.0	U	11			
Freon TF	76-13-1	187.38	2.0	U	15			
1,1-Dichloroethene	75-35-4	96.94	2.0	U	8			
Acetone	67-64-1	58.08	50	U	120			
Carbon disulfide	75-15-0	76.14	5.0	U	16			
Ethanol	64-17-5	46.07	50		94			
3-Chloropropene	107-05-1	76.53	5.0	U	16			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
tert-Butyl alcohol	75-65-0	74.12	50	U	150			
Isopropyl alcohol	67-63-0	60.10	50	U	120			
Methyl tert-butyl ether	1634-04-4	88.15	2.0	U	7			
trans-1,2-Dichloroethene	156-60-5	96.94	2.0	U	8			
n-Hexane	110-54-3	86.17	5.4		19			
1,1-Dichloroethane	75-34-3	98.96	2.0	U	8			
Methyl Ethyl Ketone	78-93-3	72.11	5.0	U	15			
cis-1,2-Dichloroethene	156-59-2	96.94	2.0	U	8			
Chloroform	67-66-3	119.38	2.0	U	10			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
Cyclohexane	110-82-7	84.16	2.0	U	7			
Carbon tetrachloride	56-23-5	153.81	2.0	U	13			
2,2,4-Trimethylpentane	540-84-1	114.23	2.0	U	9			
Benzene	71-43-2	78.11	2.0	U	6			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
n-Heptane	142-82-5	100.21	2.7		11			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,2-Dichloropropane	78-87-5	112.99	2.0	U	9			
Tetrahydrofuran	109-99-9	72.11	50	U	150			
Bromodichloromethane	75-27-4	163.83	2.0	U	13			
cis-1,3-Dichloropropene	10061-01-5	110.97	2.0	U	9			
methyl isobutyl ketone	108-10-1	100.16	5.0	U	20			
Toluene	108-88-3	92.14	3.3		12			
trans-1,3-Dichloropropene	10061-02-6	110.97	2.0	U	9			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
Dibromochloromethane	124-48-1	208.29	2.0	U	17			
1,2-Dibromoethane	106-93-4	187.87	2.0	U	15			
Methyl methacrylate	80-62-6	100.12	5.0	U	20			
Chlorobenzene	108-90-7	112.56	2.0	U	9			
1,4-Dioxane	123-91-1	88.11	50	U	180			
Ethylbenzene	100-41-4	106.17	2.0	U	9			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
m,p-Xylene	179601-23-1	106.17	5.0	U	22			
Xylene, o-	95-47-6	106.17	2.0	U	9			
Styrene	100-42-5	104.15	2.0	U	9			
Bromoform	75-25-2	252.75	2.0	U	21			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			
4-Ethyltoluene	622-96-8	120.20	2.0	U	10			
1,3,5-Trimethylbenzene	108-67-8	120.20	2.0	U	10			
2-Chlorotoluene	95-49-8	126.59	2.0	U	10			
1,2,4-Trimethylbenzene	95-63-6	120.20	2.0	U	10			
1,3-Dichlorobenzene	541-73-1	147.00	2.0	U	12			
1,4-Dichlorobenzene	106-46-7	147.00	2.0	U	12			
1,2-Dichlorobenzene	95-50-1	147.00	2.0	U	12			
1,2,4-Trichlorobenzene	120-82-1	181.45	5.0	U	37			
Hexachlorobutadiene	87-68-3	260.76	2.0	U	21			
Naphthalene	91-20-3	128.17	5.0	U	26			
Tenatively Identified Compounds								
Unknown			1300	J		2.98		
Unknown			130	J		3.04		
Unknown			59	J		3.10		
Unknown			68	J		3.20		
Unknown			23	J		3.31		
1-Propene, 2-methyl-	115-11-7		48	J N		3.52		
Unknown			10	J		19.40		
Unknown			15	J		22.27		

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
Dichlorodifluoromethane	75-71-8	120.91	5.0	U	25			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	2.0	U	14			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
1,3-Butadiene	106-99-0	54.09	3.3		7			
Bromomethane	74-83-9	94.94	2.0	U	8			
Chloroethane	75-00-3	64.52	5.0	U	13			
Bromoethene(Vinyl Bromide)	593-60-2	106.96	2.0	U	9			
Trichlorofluoromethane	75-69-4	137.37	2.0	U	11			
Freon TF	76-13-1	187.38	2.0	U	15			
1,1-Dichloroethene	75-35-4	96.94	2.0	U	8			
Acetone	67-64-1	58.08	50	U	120			
Carbon disulfide	75-15-0	76.14	5.0	U	16			
Ethanol	64-17-5	46.07	50	U	94			
3-Chloropropene	107-05-1	76.53	5.0	U	16			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
tert-Butyl alcohol	75-65-0	74.12	50	U	150			
Isopropyl alcohol	67-63-0	60.10	50	U	120			
Methyl tert-butyl ether	1634-04-4	88.15	2.0	U	7			
trans-1,2-Dichloroethene	156-60-5	96.94	2.0	U	8			
n-Hexane	110-54-3	86.17	2.0	U	7			
1,1-Dichloroethane	75-34-3	98.96	2.0	U	8			
Methyl Ethyl Ketone	78-93-3	72.11	5.0	U	15			
cis-1,2-Dichloroethene	156-59-2	96.94	2.0	U	8			
Chloroform	67-66-3	119.38	4.4		21			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
Cyclohexane	110-82-7	84.16	2.0	U	7			
Carbon tetrachloride	56-23-5	153.81	2.0	U	13			
2,2,4-Trimethylpentane	540-84-1	114.23	2.0	U	9			
Benzene	71-43-2	78.11	2.0	U	6			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
n-Heptane	142-82-5	100.21	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,2-Dichloropropane	78-87-5	112.99	2.0	U	9			
Tetrahydrofuran	109-99-9	72.11	50	U	150			
Bromodichloromethane	75-27-4	163.83	2.0	U	13			
cis-1,3-Dichloropropene	10061-01-5	110.97	2.0	U	9			
methyl isobutyl ketone	108-10-1	100.16	5.0	U	20			
Toluene	108-88-3	92.14	2.4		9			
trans-1,3-Dichloropropene	10061-02-6	110.97	2.0	U	9			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
Dibromochloromethane	124-48-1	208.29	2.0	U	17			
1,2-Dibromoethane	106-93-4	187.87	2.0	U	15			
Methyl methacrylate	80-62-6	100.12	5.0	U	20			
Chlorobenzene	108-90-7	112.56	2.0	U	9			
1,4-Dioxane	123-91-1	88.11	50	U	180			
Ethylbenzene	100-41-4	106.17	2.0	U	9			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
m,p-Xylene	179601-23-1	106.17	5.0	U	22			
Xylene, o-	95-47-6	106.17	2.0	U	9			
Styrene	100-42-5	104.15	2.0	U	9			
Bromoform	75-25-2	252.75	2.0	U	21			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			
4-Ethyltoluene	622-96-8	120.20	2.0	U	10			
1,3,5-Trimethylbenzene	108-67-8	120.20	2.0	U	10			
2-Chlorotoluene	95-49-8	126.59	2.0	U	10			
1,2,4-Trimethylbenzene	95-63-6	120.20	2.0	U	10			
1,3-Dichlorobenzene	541-73-1	147.00	2.0	U	12			
1,4-Dichlorobenzene	106-46-7	147.00	2.0	U	12			
1,2-Dichlorobenzene	95-50-1	147.00	2.0	U	12			
1,2,4-Trichlorobenzene	120-82-1	181.45	5.0	U	37			
Hexachlorobutadiene	87-68-3	260.76	2.0	U	21			
Naphthalene	91-20-3	128.17	5.0	U	26			
Tenatively Identified Compounds								
Unknown			120	J		2.98		
Cyclotrisiloxane, hexamethyl-	541-05-9		23	J N		14.52		
Unknown			23	J		19.40		

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
Dichlorodifluoromethane	75-71-8	120.91	5.0	U	25			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	2.0	U	14			
Chloromethane	74-87-3	50.49	5.0	U	10			
Vinyl chloride	75-01-4	62.50	2.0	U	5			
1,3-Butadiene	106-99-0	54.09	2.0	U	4			
Bromomethane	74-83-9	94.94	2.0	U	8			
Chloroethane	75-00-3	64.52	5.0	U	13			
Bromoethene(Vinyl Bromide)	593-60-2	106.96	2.0	U	9			
Trichlorofluoromethane	75-69-4	137.37	2.0	U	11			
Freon TF	76-13-1	187.38	2.0	U	15			
1,1-Dichloroethene	75-35-4	96.94	2.0	U	8			
Acetone	67-64-1	58.08	50	U	120			
Carbon disulfide	75-15-0	76.14	5.0	U	16			
Ethanol	64-17-5	46.07	69		130			
3-Chloropropene	107-05-1	76.53	5.0	U	16			
Methylene Chloride	75-09-2	84.93	5.0	U	17			
tert-Butyl alcohol	75-65-0	74.12	50	U	150			
Isopropyl alcohol	67-63-0	60.10	50	U	120			
Methyl tert-butyl ether	1634-04-4	88.15	2.0	U	7			
trans-1,2-Dichloroethene	156-60-5	96.94	2.0	U	8			
n-Hexane	110-54-3	86.17	2.0	U	7			
1,1-Dichloroethane	75-34-3	98.96	2.0	U	8			
Methyl Ethyl Ketone	78-93-3	72.11	5.0	U	15			
cis-1,2-Dichloroethene	156-59-2	96.94	2.0	U	8			
Chloroform	67-66-3	119.38	2.0	U	10			
1,1,1-Trichloroethane	71-55-6	133.41	2.0	U	11			
Cyclohexane	110-82-7	84.16	2.0	U	7			
Carbon tetrachloride	56-23-5	153.81	2.0	U	13			
2,2,4-Trimethylpentane	540-84-1	114.23	2.0	U	9			
Benzene	71-43-2	78.11	2.0	U	6			
1,2-Dichloroethane	107-06-2	98.96	2.0	U	8			
n-Heptane	142-82-5	100.21	2.0	U	8			
Trichloroethene	79-01-6	131.39	2.0	U	11			
1,2-Dichloropropane	78-87-5	112.99	2.0	U	9			
Tetrahydrofuran	109-99-9	72.11	50	U	150			
Bromodichloromethane	75-27-4	163.83	2.0	U	13			
cis-1,3-Dichloropropene	10061-01-5	110.97	2.0	U	9			
methyl isobutyl ketone	108-10-1	100.16	5.0	U	20			
Toluene	108-88-3	92.14	2.0	U	8			
trans-1,3-Dichloropropene	10061-02-6	110.97	2.0	U	9			
1,1,2-Trichloroethane	79-00-5	133.41	2.0	U	11			
Tetrachloroethene	127-18-4	165.83	2.0	U	14			
Dibromochloromethane	124-48-1	208.29	2.0	U	17			
1,2-Dibromoethane	106-93-4	187.87	2.0	U	15			
Methyl methacrylate	80-62-6	100.12	5.0	U	20			
Chlorobenzene	108-90-7	112.56	2.0	U	9			
1,4-Dioxane	123-91-1	88.11	50	U	180			
Ethylbenzene	100-41-4	106.17	2.0	U	9			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
m,p-Xylene	179601-23-1	106.17	5.0	U	22			
Xylene, o-	95-47-6	106.17	2.0	U	9			
Styrene	100-42-5	104.15	2.0	U	9			
Bromoform	75-25-2	252.75	2.0	U	21			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	2.0	U	14			
4-Ethyltoluene	622-96-8	120.20	2.0	U	10			
1,3,5-Trimethylbenzene	108-67-8	120.20	2.0	U	10			
2-Chlorotoluene	95-49-8	126.59	2.0	U	10			
1,2,4-Trimethylbenzene	95-63-6	120.20	2.0	U	10			
1,3-Dichlorobenzene	541-73-1	147.00	2.0	U	12			
1,4-Dichlorobenzene	106-46-7	147.00	2.0	U	12			
1,2-Dichlorobenzene	95-50-1	147.00	2.0	U	12			
1,2,4-Trichlorobenzene	120-82-1	181.45	5.0	U	37			
Hexachlorobutadiene	87-68-3	260.76	2.0	U	21			
Naphthalene	91-20-3	128.17	5.0	U	26			
Tenatively Identified Compounds								
Unknown			23	J		2.99		
Cyclotrisiloxane, hexamethyl-	541-05-9		19	J N		14.52		
Unknown			12	J		22.27		

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
Dichlorodifluoromethane	75-71-8	120.91	0.50	U	2			
1,2-Dichlorotetrafluoroethane	76-14-2	170.92	0.20	U	1			
Chloromethane	74-87-3	50.49	0.50	U	1			
Vinyl chloride	75-01-4	62.50	0.20	U	0.5			
1,3-Butadiene	106-99-0	54.09	0.20	U	0.4			
Bromomethane	74-83-9	94.94	0.20	U	0.8			
Chloroethane	75-00-3	64.52	0.50	U	1			
Bromoethene(Vinyl Bromide)	593-60-2	106.96	0.20	U	0.9			
Trichlorofluoromethane	75-69-4	137.37	0.20	U	1			
Freon TF	76-13-1	187.38	0.20	U	2			
1,1-Dichloroethene	75-35-4	96.94	0.20	U	0.8			
Acetone	67-64-1	58.08	5.0	U	12			
Carbon disulfide	75-15-0	76.14	0.50	U	2			
Ethanol	64-17-5	46.07	5.0	U	9			
3-Chloropropene	107-05-1	76.53	0.50	U	2			
Methylene Chloride	75-09-2	84.93	0.50	U	2			
tert-Butyl alcohol	75-65-0	74.12	5.0	U	15			
Isopropyl alcohol	67-63-0	60.10	5.0	U	12			
Methyl tert-butyl ether	1634-04-4	88.15	0.20	U	0.7			
trans-1,2-Dichloroethene	156-60-5	96.94	0.20	U	0.8			
n-Hexane	110-54-3	86.17	0.20	U	0.7			
1,1-Dichloroethane	75-34-3	98.96	0.20	U	0.8			
Methyl Ethyl Ketone	78-93-3	72.11	0.50	U	1			
cis-1,2-Dichloroethene	156-59-2	96.94	0.20	U	0.8			
Chloroform	67-66-3	119.38	0.20	U	1			
1,1,1-Trichloroethane	71-55-6	133.41	0.20	U	1			
Cyclohexane	110-82-7	84.16	0.20	U	0.7			
Carbon tetrachloride	56-23-5	153.81	0.20	U	1			
2,2,4-Trimethylpentane	540-84-1	114.23	0.20	U	0.9			
Benzene	71-43-2	78.11	0.20	U	0.6			
1,2-Dichloroethane	107-06-2	98.96	0.20	U	0.8			
n-Heptane	142-82-5	100.21	0.20	U	0.8			
Trichloroethene	79-01-6	131.39	0.20	U	1			
1,2-Dichloropropane	78-87-5	112.99	0.20	U	0.9			
Tetrahydrofuran	109-99-9	72.11	5.0	U	15			
Bromodichloromethane	75-27-4	163.83	0.20	U	1			
cis-1,3-Dichloropropene	10061-01-5	110.97	0.20	U	0.9			
methyl isobutyl ketone	108-10-1	100.16	0.50	U	2			
Toluene	108-88-3	92.14	0.20	U	0.8			
trans-1,3-Dichloropropene	10061-02-6	110.97	0.20	U	0.9			
1,1,2-Trichloroethane	79-00-5	133.41	0.20	U	1			
Tetrachloroethene	127-18-4	165.83	0.20	U	1			
Dibromochloromethane	124-48-1	208.29	0.20	U	2			
1,2-Dibromoethane	106-93-4	187.87	0.20	U	2			
Methyl methacrylate	80-62-6	100.12	0.50	U	2			
Chlorobenzene	108-90-7	112.56	0.20	U	0.9			
1,4-Dioxane	123-91-1	88.11	5.0	U	18			
Ethylbenzene	100-41-4	106.17	0.20	U	0.9			

Chemical	CAS Number	Molecular Weight	Lab Results	Q	Corrected Results	Retention Time NT Only	QAS Decision	Foot-notes
TO-15			*ppb v/v*		*ug/m3*			
m,p-Xylene	179601-23-1	106.17	0.50	U	2			
Xylene, o-	95-47-6	106.17	0.20	U	0.9			
Styrene	100-42-5	104.15	0.20	U	0.9			
Bromoform	75-25-2	252.75	0.20	U	2			
1,1,2,2-Tetrachloroethane	79-34-5	167.85	0.20	U	1			
4-Ethyltoluene	622-96-8	120.20	0.20	U	1			
1,3,5-Trimethylbenzene	108-67-8	120.20	0.20	U	1			
2-Chlorotoluene	95-49-8	126.59	0.20	U	1			
1,2,4-Trimethylbenzene	95-63-6	120.20	0.20	U	1			
1,3-Dichlorobenzene	541-73-1	147.00	0.20	U	1			
1,4-Dichlorobenzene	106-46-7	147.00	0.20	U	1			
1,2-Dichlorobenzene	95-50-1	147.00	0.20	U	1			
1,2,4-Trichlorobenzene	120-82-1	181.45	0.50	U	4			
Hexachlorobutadiene	87-68-3	260.76	0.20	U	2			
Naphthalene	91-20-3	128.17	0.50	U	3			

Tenatively Identified Compounds

Tentatively Identified Compound			None					

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Air - GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method TO15

Volatile Organic Compounds (GC/MS) by Method TO15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 200-368922-003.D

Lab ID: LCS 200-145426/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.5	106	61-142	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	71-141	
Chloromethane	10.0	11.1	111	56-141	
Vinyl chloride	10.0	10.0	100	61-135	
1,3-Butadiene	10.0	9.76	98	58-139	
Bromomethane	10.0	9.04	90	72-124	
Chloroethane	10.0	9.26	93	68-130	
Bromoethene(Vinyl Bromide)	10.0	8.65	87	75-125	
Trichlorofluoromethane	10.0	8.88	89	70-129	
Freon TF	10.0	9.02	90	70-121	
1,1-Dichloroethene	10.0	9.09	91	68-120	
Acetone	10.0	9.53	95	54-154	
Carbon disulfide	10.0	9.98	100	71-138	
Ethanol	15.0	14.8	99	50-150	
3-Chloropropene	10.0	7.68	77	50-150	
Methylene Chloride	10.0	9.55	96	59-137	
tert-Butyl alcohol	10.0	10.5	105	66-132	
Isopropyl alcohol	10.0	11.4	114	53-142	
Methyl tert-butyl ether	10.0	9.12	91	70-127	
trans-1,2-Dichloroethene	10.0	9.80	98	69-137	
n-Hexane	10.0	9.39	94	63-138	
1,1-Dichloroethane	10.0	9.60	96	66-130	
Methyl Ethyl Ketone	10.0	9.24	92	72-124	
cis-1,2-Dichloroethene	10.0	9.29	93	72-121	
Chloroform	10.0	9.31	93	73-124	
1,1,1-Trichloroethane	10.0	9.42	94	72-127	
Cyclohexane	10.0	9.02	90	76-124	
Carbon tetrachloride	10.0	9.44	94	71-133	
2,2,4-Trimethylpentane	10.0	9.55	96	68-131	
Benzene	10.0	8.12	81	73-119	
1,2-Dichloroethane	10.0	8.11	81	68-135	
n-Heptane	10.0	9.91	99	60-142	
Trichloroethene	10.0	9.40	94	73-122	
1,2-Dichloropropane	10.0	8.51	85	69-128	
Tetrahydrofuran	10.0	9.94	99	60-149	
Bromodichloromethane	10.0	9.40	94	75-127	
cis-1,3-Dichloropropene	10.0	8.57	86	74-125	
methyl isobutyl ketone	10.0	10.7	107	58-144	
Toluene	10.0	8.71	87	75-122	
trans-1,3-Dichloropropene	10.0	8.37	84	74-128	
1,1,2-Trichloroethane	10.0	8.92	89	75-126	
Tetrachloroethene	10.0	9.16	92	70-125	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 200-368922-003.D

Lab ID: LCS 200-145426/3 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dibromochloromethane	10.0	8.79	88	73-125	
1,2-Dibromoethane	10.0	8.90	89	78-122	
Methyl methacrylate	10.0	9.86	99	73-129	
Chlorobenzene	10.0	8.73	87	76-119	
1,4-Dioxane	10.0	12.6	126	66-129	
Ethylbenzene	10.0	8.93	89	74-122	
m,p-Xylene	20.0	18.2	91	76-121	
Xylene, o-	10.0	9.18	92	73-123	
Styrene	10.0	9.23	92	74-125	
Bromoform	10.0	8.53	85	53-149	
1,1,2,2-Tetrachloroethane	10.0	9.32	93	74-126	
4-Ethyltoluene	10.0	9.29	93	75-129	
1,3,5-Trimethylbenzene	10.0	9.18	92	72-126	
2-Chlorotoluene	10.0	9.15	92	74-126	
1,2,4-Trimethylbenzene	10.0	9.47	95	71-129	
1,3-Dichlorobenzene	10.0	9.14	91	69-131	
1,4-Dichlorobenzene	10.0	8.97	90	67-132	
1,2-Dichlorobenzene	10.0	9.03	90	68-129	
1,2,4-Trichlorobenzene	10.0	10.4	104	50-150	
Hexachlorobutadiene	10.0	9.09	91	58-130	
Naphthalene	10.0	11.4	114	50-150	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Lab File ID: 200-368922-005.D Lab Sample ID: MB 200-145426/5

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: CHG.i Date Analyzed: 07/24/2019 14:01

GC Column: RTX-624 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-145426/3	200-368922-003.D	07/24/2019 12:16
SV-1	200-49721-1	200-368922-014.D	07/24/2019 21:57
SV-2	200-49721-2	200-368922-015.D	07/24/2019 22:49
SV-3	200-49721-3	200-368922-016.D	07/24/2019 23:42
SV-4	200-49721-4	200-368922-017.D	07/25/2019 00:34

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Lab File ID: 200-36487-001.D BFB Injection Date: 06/24/2019

Instrument ID: CHG.i BFB Injection Time: 16:32

Analysis Batch No.: 144428

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.2	
75	30.0 - 66.0% of mass 95	42.3	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.5	
173	Less than 2.0% of mass 174	0.5	(0.6) 1
174	50.0 - 120.0% of mass 95	86.2	
175	4.0 - 9.0 % of mass 174	5.8	(6.7) 1
176	93.0 - 101.0% of mass 174	83.6	(96.9) 1
177	5.0 - 9.0% of mass 176	5.4	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-144428/4	200-36487-004.D	06/24/2019	18:57
	IC 200-144428/5	200-36487-005.D	06/24/2019	19:47
	IC 200-144428/6	200-36487-006.D	06/24/2019	20:38
	IC 200-144428/7	200-36487-007.D	06/24/2019	21:29
	ICIS 200-144428/8	200-36487-008.D	06/24/2019	22:19
	IC 200-144428/9	200-36487-009.D	06/24/2019	23:09
	IC 200-144428/12	200-36487-012.D	06/25/2019	01:41
	IC 200-144428/13	200-36487-013.D	06/25/2019	02:32
	ICV 200-144428/16	200-36487-016.D	06/25/2019	05:04

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Lab File ID: 200-36922-001.D BFB Injection Date: 07/24/2019

Instrument ID: CHG.i BFB Injection Time: 10:25

Analysis Batch No.: 145426

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	18.8	
75	30.0 - 66.0% of mass 95	45.2	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.6	(0.7) 1
174	50.0 - 120.0% of mass 95	82.3	
175	4.0 - 9.0 % of mass 174	5.6	(6.8) 1
176	93.0 - 101.0% of mass 174	80.1	(97.3) 1
177	5.0 - 9.0% of mass 176	5.4	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-145426/2	200-368922-002.D	07/24/2019	11:24
	LCS 200-145426/3	200-368922-003.D	07/24/2019	12:16
	MB 200-145426/5	200-368922-005.D	07/24/2019	14:01
SV-1	200-49721-1	200-368922-014.D	07/24/2019	21:57
SV-2	200-49721-2	200-368922-015.D	07/24/2019	22:49
SV-3	200-49721-3	200-368922-016.D	07/24/2019	23:42
SV-4	200-49721-4	200-368922-017.D	07/25/2019	00:34

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Sample No.: ICIS 200-144428/8 Date Analyzed: 06/24/2019 22:19

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 200-36487-008.D Heated Purge: (Y/N) N

Calibration ID: 41994

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		239416	8.99	1266478	10.84	1182769	16.77
UPPER LIMIT		335182	9.32	1773069	11.17	1655877	17.10
LOWER LIMIT		143650	8.66	759887	10.51	709661	16.44
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-144428/16		254759	8.99	1195181	10.84	1178109	16.77

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Sample No.: CCVIS 200-145426/2 Date Analyzed: 07/24/2019 11:24

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm)

Lab File ID (Standard): 200-368922-002.D Heated Purge: (Y/N) N

Calibration ID: 41994

		BCM		DFBZ		CBNZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		254245	8.97	1329343	10.82	1114476	16.75
UPPER LIMIT		355943	9.30	1861080	11.15	1560266	17.08
LOWER LIMIT		152547	8.64	797606	10.49	668686	16.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 200-145426/3		232891	8.97	1111046	10.81	1069130	16.75
MB 200-145426/5		268232	8.97	1487965	10.81	1324507	16.74
200-49721-1	SV-1	198091	8.97	1033006	10.81	1030452	16.75
200-49721-2	SV-2	240969	8.97	1278549	10.82	1110469	16.75
200-49721-3	SV-3	227384	8.97	1118526	10.82	994669	16.74
200-49721-4	SV-4	248825	8.97	1335634	10.81	1205675	16.74

BCM = Bromochloromethane
DFBZ = 1,4-Difluorobenzene
CBNZd5 = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-1 Lab Sample ID: 200-49721-1

Matrix: Air Lab File ID: 200-368922-014.D

Analysis Method: TO-15 Date Collected: 07/19/2019 09:35

Sample wt/vol: 20(mL) Date Analyzed: 07/24/2019 21:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	
76-14-2	1,2-Dichlorotetrafluoroethane	2.0	U	2.0	
74-87-3	Chloromethane	5.0	U	5.0	
75-01-4	Vinyl chloride	2.0	U	2.0	
106-99-0	1,3-Butadiene	61		2.0	
74-83-9	Bromomethane	2.0	U	2.0	
75-00-3	Chloroethane	5.0	U	5.0	
593-60-2	Bromoethene(Vinyl Bromide)	2.0	U	2.0	
75-69-4	Trichlorofluoromethane	2.0	U	2.0	
76-13-1	Freon TF	2.0	U	2.0	
75-35-4	1,1-Dichloroethene	2.0	U	2.0	
67-64-1	Acetone	50	U	50	
75-15-0	Carbon disulfide	5.0	U	5.0	
64-17-5	Ethanol	87		50	
107-05-1	3-Chloropropene	5.0	U	5.0	
75-09-2	Methylene Chloride	5.0	U	5.0	
75-65-0	tert-Butyl alcohol	50	U	50	
67-63-0	Isopropyl alcohol	50	U	50	
1634-04-4	Methyl tert-butyl ether	2.0	U	2.0	
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	
110-54-3	n-Hexane	20		2.0	
75-34-3	1,1-Dichloroethane	2.0	U	2.0	
78-93-3	Methyl Ethyl Ketone	7.2		5.0	
156-59-2	cis-1,2-Dichloroethene	2.0	U	2.0	
67-66-3	Chloroform	2.0	U	2.0	
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	
110-82-7	Cyclohexane	2.0	U	2.0	
56-23-5	Carbon tetrachloride	2.0	U	2.0	
540-84-1	2,2,4-Trimethylpentane	2.0	U	2.0	
71-43-2	Benzene	3.9		2.0	
107-06-2	1,2-Dichloroethane	2.0	U	2.0	
142-82-5	n-Heptane	4.2		2.0	
79-01-6	Trichloroethene	2.0	U	2.0	
78-87-5	1,2-Dichloropropane	2.0	U	2.0	
109-99-9	Tetrahydrofuran	50	U	50	
75-27-4	Bromodichloromethane	2.0	U	2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-1 Lab Sample ID: 200-49721-1

Matrix: Air Lab File ID: 200-368922-014.D

Analysis Method: TO-15 Date Collected: 07/19/2019 09:35

Sample wt/vol: 20(mL) Date Analyzed: 07/24/2019 21:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	
108-10-1	methyl isobutyl ketone	5.0	U	5.0	
108-88-3	Toluene	4.4		2.0	
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	
127-18-4	Tetrachloroethene	2.0	U	2.0	
124-48-1	Dibromochloromethane	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	2.0	U	2.0	
80-62-6	Methyl methacrylate	5.0	U	5.0	
108-90-7	Chlorobenzene	2.0	U	2.0	
123-91-1	1,4-Dioxane	50	U	50	
100-41-4	Ethylbenzene	2.0	U	2.0	
179601-23-1	m,p-Xylene	5.0	U	5.0	
95-47-6	Xylene, o-	2.0	U	2.0	
100-42-5	Styrene	2.0	U	2.0	
75-25-2	Bromoform	2.0	U	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	
622-96-8	4-Ethyltoluene	2.0	U	2.0	
108-67-8	1,3,5-Trimethylbenzene	2.0	U	2.0	
95-49-8	2-Chlorotoluene	2.0	U	2.0	
95-63-6	1,2,4-Trimethylbenzene	2.0	U	2.0	
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	
87-68-3	Hexachlorobutadiene	2.0	U	2.0	
91-20-3	Naphthalene	5.0	U	5.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-1 Lab Sample ID: 200-49721-1

Matrix: Air Lab File ID: 200-368922-014.D

Analysis Method: TO-15 Date Collected: 07/19/2019 09:35

Sample wt/vol: 20(mL) Date Analyzed: 07/24/2019 21:57

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

Number TICs Found: 24 TIC Result Total: 704

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.98	19	J	
463-49-0	Allene	3.23	64	J N	90%
	Unknown	3.31	57	J	
	Unknown	3.67	12	J	
	Unknown	3.81	47	J	
	Unknown	3.87	12	J	
	Unknown	4.17	19	J	
78-78-4	Butane, 2-methyl-	4.34	34	J N	91%
109-67-1	1-Pentene	4.68	57	J N	91%
109-66-0	Pentane	4.76	49	J N	90%
930-18-7	Cyclopropane, 1,2-dimethyl-, cis-	4.81	47	J N	91%
	Unknown	5.17	37	J	
591-93-5	1,4-Pentadiene	5.60	15	J N	91%
760-20-3	1-Pentene, 3-methyl-	6.13	15	J N	87%
	Unknown	6.38	10	J	
	Unknown	6.68	12	J	
763-29-1	1-Pentene, 2-methyl-	7.01	37	J N	90%
	Unknown	8.90	19	J	
	Unknown	9.13	13	J	
541-05-9	Cyclotrisiloxane, hexamethyl-	14.52	29	J N	90%
3073-66-3	Cyclohexane, 1,1,3-trimethyl-	15.57	29	J N	91%
	Unknown	19.41	35	J	
	Unknown	21.69	13	J	
	Unknown	22.27	23	J	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-2 Lab Sample ID: 200-49721-2

Matrix: Air Lab File ID: 200-368922-015.D

Analysis Method: TO-15 Date Collected: 07/19/2019 10:15

Sample wt/vol: 20(mL) Date Analyzed: 07/24/2019 22:49

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	
76-14-2	1,2-Dichlorotetrafluoroethane	2.0	U	2.0	
74-87-3	Chloromethane	5.0	U	5.0	
75-01-4	Vinyl chloride	2.0	U	2.0	
106-99-0	1,3-Butadiene	5.4		2.0	
74-83-9	Bromomethane	2.0	U	2.0	
75-00-3	Chloroethane	5.0	U	5.0	
593-60-2	Bromoethene(Vinyl Bromide)	2.0	U	2.0	
75-69-4	Trichlorofluoromethane	2.0	U	2.0	
76-13-1	Freon TF	2.0	U	2.0	
75-35-4	1,1-Dichloroethene	2.0	U	2.0	
67-64-1	Acetone	50	U	50	
75-15-0	Carbon disulfide	5.0	U	5.0	
64-17-5	Ethanol	50		50	
107-05-1	3-Chloropropene	5.0	U	5.0	
75-09-2	Methylene Chloride	5.0	U	5.0	
75-65-0	tert-Butyl alcohol	50	U	50	
67-63-0	Isopropyl alcohol	50	U	50	
1634-04-4	Methyl tert-butyl ether	2.0	U	2.0	
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	
110-54-3	n-Hexane	5.4		2.0	
75-34-3	1,1-Dichloroethane	2.0	U	2.0	
78-93-3	Methyl Ethyl Ketone	5.0	U	5.0	
156-59-2	cis-1,2-Dichloroethene	2.0	U	2.0	
67-66-3	Chloroform	2.0	U	2.0	
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	
110-82-7	Cyclohexane	2.0	U	2.0	
56-23-5	Carbon tetrachloride	2.0	U	2.0	
540-84-1	2,2,4-Trimethylpentane	2.0	U	2.0	
71-43-2	Benzene	2.0	U	2.0	
107-06-2	1,2-Dichloroethane	2.0	U	2.0	
142-82-5	n-Heptane	2.7		2.0	
79-01-6	Trichloroethene	2.0	U	2.0	
78-87-5	1,2-Dichloropropane	2.0	U	2.0	
109-99-9	Tetrahydrofuran	50	U	50	
75-27-4	Bromodichloromethane	2.0	U	2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-2 Lab Sample ID: 200-49721-2

Matrix: Air Lab File ID: 200-368922-015.D

Analysis Method: TO-15 Date Collected: 07/19/2019 10:15

Sample wt/vol: 20(mL) Date Analyzed: 07/24/2019 22:49

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	
108-10-1	methyl isobutyl ketone	5.0	U	5.0	
108-88-3	Toluene	3.3		2.0	
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	
127-18-4	Tetrachloroethene	2.0	U	2.0	
124-48-1	Dibromochloromethane	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	2.0	U	2.0	
80-62-6	Methyl methacrylate	5.0	U	5.0	
108-90-7	Chlorobenzene	2.0	U	2.0	
123-91-1	1,4-Dioxane	50	U	50	
100-41-4	Ethylbenzene	2.0	U	2.0	
179601-23-1	m,p-Xylene	5.0	U	5.0	
95-47-6	Xylene, o-	2.0	U	2.0	
100-42-5	Styrene	2.0	U	2.0	
75-25-2	Bromoform	2.0	U	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	
622-96-8	4-Ethyltoluene	2.0	U	2.0	
108-67-8	1,3,5-Trimethylbenzene	2.0	U	2.0	
95-49-8	2-Chlorotoluene	2.0	U	2.0	
95-63-6	1,2,4-Trimethylbenzene	2.0	U	2.0	
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	
87-68-3	Hexachlorobutadiene	2.0	U	2.0	
91-20-3	Naphthalene	5.0	U	5.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-2 Lab Sample ID: 200-49721-2

Matrix: Air Lab File ID: 200-368922-015.D

Analysis Method: TO-15 Date Collected: 07/19/2019 10:15

Sample wt/vol: 20(mL) Date Analyzed: 07/24/2019 22:49

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

Number TICs Found: 8 TIC Result Total: 1653

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.98	1300	J	
	Unknown	3.04	130	J	
	Unknown	3.10	59	J	
	Unknown	3.20	68	J	
	Unknown	3.31	23	J	
115-11-7	1-Propene, 2-methyl-	3.52	48	J N	87%
	Unknown	19.40	10	J	
	Unknown	22.27	15	J	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-3 Lab Sample ID: 200-49721-3

Matrix: Air Lab File ID: 200-368922-016.D

Analysis Method: TO-15 Date Collected: 07/19/2019 13:15

Sample wt/vol: 20(mL) Date Analyzed: 07/24/2019 23:42

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	
76-14-2	1,2-Dichlorotetrafluoroethane	2.0	U	2.0	
74-87-3	Chloromethane	5.0	U	5.0	
75-01-4	Vinyl chloride	2.0	U	2.0	
106-99-0	1,3-Butadiene	3.3		2.0	
74-83-9	Bromomethane	2.0	U	2.0	
75-00-3	Chloroethane	5.0	U	5.0	
593-60-2	Bromoethene(Vinyl Bromide)	2.0	U	2.0	
75-69-4	Trichlorofluoromethane	2.0	U	2.0	
76-13-1	Freon TF	2.0	U	2.0	
75-35-4	1,1-Dichloroethene	2.0	U	2.0	
67-64-1	Acetone	50	U	50	
75-15-0	Carbon disulfide	5.0	U	5.0	
64-17-5	Ethanol	50	U	50	
107-05-1	3-Chloropropene	5.0	U	5.0	
75-09-2	Methylene Chloride	5.0	U	5.0	
75-65-0	tert-Butyl alcohol	50	U	50	
67-63-0	Isopropyl alcohol	50	U	50	
1634-04-4	Methyl tert-butyl ether	2.0	U	2.0	
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	
110-54-3	n-Hexane	2.0	U	2.0	
75-34-3	1,1-Dichloroethane	2.0	U	2.0	
78-93-3	Methyl Ethyl Ketone	5.0	U	5.0	
156-59-2	cis-1,2-Dichloroethene	2.0	U	2.0	
67-66-3	Chloroform	4.4		2.0	
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	
110-82-7	Cyclohexane	2.0	U	2.0	
56-23-5	Carbon tetrachloride	2.0	U	2.0	
540-84-1	2,2,4-Trimethylpentane	2.0	U	2.0	
71-43-2	Benzene	2.0	U	2.0	
107-06-2	1,2-Dichloroethane	2.0	U	2.0	
142-82-5	n-Heptane	2.0	U	2.0	
79-01-6	Trichloroethene	2.0	U	2.0	
78-87-5	1,2-Dichloropropane	2.0	U	2.0	
109-99-9	Tetrahydrofuran	50	U	50	
75-27-4	Bromodichloromethane	2.0	U	2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-3 Lab Sample ID: 200-49721-3

Matrix: Air Lab File ID: 200-368922-016.D

Analysis Method: TO-15 Date Collected: 07/19/2019 13:15

Sample wt/vol: 20(mL) Date Analyzed: 07/24/2019 23:42

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	
108-10-1	methyl isobutyl ketone	5.0	U	5.0	
108-88-3	Toluene	2.4		2.0	
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	
127-18-4	Tetrachloroethene	2.0	U	2.0	
124-48-1	Dibromochloromethane	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	2.0	U	2.0	
80-62-6	Methyl methacrylate	5.0	U	5.0	
108-90-7	Chlorobenzene	2.0	U	2.0	
123-91-1	1,4-Dioxane	50	U	50	
100-41-4	Ethylbenzene	2.0	U	2.0	
179601-23-1	m,p-Xylene	5.0	U	5.0	
95-47-6	Xylene, o-	2.0	U	2.0	
100-42-5	Styrene	2.0	U	2.0	
75-25-2	Bromoform	2.0	U	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	
622-96-8	4-Ethyltoluene	2.0	U	2.0	
108-67-8	1,3,5-Trimethylbenzene	2.0	U	2.0	
95-49-8	2-Chlorotoluene	2.0	U	2.0	
95-63-6	1,2,4-Trimethylbenzene	2.0	U	2.0	
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	
87-68-3	Hexachlorobutadiene	2.0	U	2.0	
91-20-3	Naphthalene	5.0	U	5.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-3 Lab Sample ID: 200-49721-3

Matrix: Air Lab File ID: 200-368922-016.D

Analysis Method: TO-15 Date Collected: 07/19/2019 13:15

Sample wt/vol: 20(mL) Date Analyzed: 07/24/2019 23:42

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

Number TICs Found: 3 TIC Result Total: 166

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.98	120	J	
541-05-9	Cyclotrisiloxane, hexamethyl-	14.52	23	J N	91%
	Unknown	19.40	23	J	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-4 Lab Sample ID: 200-49721-4

Matrix: Air Lab File ID: 200-368922-017.D

Analysis Method: TO-15 Date Collected: 07/19/2019 14:15

Sample wt/vol: 20(mL) Date Analyzed: 07/25/2019 00:34

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	
76-14-2	1,2-Dichlorotetrafluoroethane	2.0	U	2.0	
74-87-3	Chloromethane	5.0	U	5.0	
75-01-4	Vinyl chloride	2.0	U	2.0	
106-99-0	1,3-Butadiene	2.0	U	2.0	
74-83-9	Bromomethane	2.0	U	2.0	
75-00-3	Chloroethane	5.0	U	5.0	
593-60-2	Bromoethene(Vinyl Bromide)	2.0	U	2.0	
75-69-4	Trichlorofluoromethane	2.0	U	2.0	
76-13-1	Freon TF	2.0	U	2.0	
75-35-4	1,1-Dichloroethene	2.0	U	2.0	
67-64-1	Acetone	50	U	50	
75-15-0	Carbon disulfide	5.0	U	5.0	
64-17-5	Ethanol	69		50	
107-05-1	3-Chloropropene	5.0	U	5.0	
75-09-2	Methylene Chloride	5.0	U	5.0	
75-65-0	tert-Butyl alcohol	50	U	50	
67-63-0	Isopropyl alcohol	50	U	50	
1634-04-4	Methyl tert-butyl ether	2.0	U	2.0	
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	
110-54-3	n-Hexane	2.0	U	2.0	
75-34-3	1,1-Dichloroethane	2.0	U	2.0	
78-93-3	Methyl Ethyl Ketone	5.0	U	5.0	
156-59-2	cis-1,2-Dichloroethene	2.0	U	2.0	
67-66-3	Chloroform	2.0	U	2.0	
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	
110-82-7	Cyclohexane	2.0	U	2.0	
56-23-5	Carbon tetrachloride	2.0	U	2.0	
540-84-1	2,2,4-Trimethylpentane	2.0	U	2.0	
71-43-2	Benzene	2.0	U	2.0	
107-06-2	1,2-Dichloroethane	2.0	U	2.0	
142-82-5	n-Heptane	2.0	U	2.0	
79-01-6	Trichloroethene	2.0	U	2.0	
78-87-5	1,2-Dichloropropane	2.0	U	2.0	
109-99-9	Tetrahydrofuran	50	U	50	
75-27-4	Bromodichloromethane	2.0	U	2.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-4 Lab Sample ID: 200-49721-4

Matrix: Air Lab File ID: 200-368922-017.D

Analysis Method: TO-15 Date Collected: 07/19/2019 14:15

Sample wt/vol: 20(mL) Date Analyzed: 07/25/2019 00:34

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	
108-10-1	methyl isobutyl ketone	5.0	U	5.0	
108-88-3	Toluene	2.0	U	2.0	
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	
127-18-4	Tetrachloroethene	2.0	U	2.0	
124-48-1	Dibromochloromethane	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	2.0	U	2.0	
80-62-6	Methyl methacrylate	5.0	U	5.0	
108-90-7	Chlorobenzene	2.0	U	2.0	
123-91-1	1,4-Dioxane	50	U	50	
100-41-4	Ethylbenzene	2.0	U	2.0	
179601-23-1	m,p-Xylene	5.0	U	5.0	
95-47-6	Xylene, o-	2.0	U	2.0	
100-42-5	Styrene	2.0	U	2.0	
75-25-2	Bromoform	2.0	U	2.0	
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	
622-96-8	4-Ethyltoluene	2.0	U	2.0	
108-67-8	1,3,5-Trimethylbenzene	2.0	U	2.0	
95-49-8	2-Chlorotoluene	2.0	U	2.0	
95-63-6	1,2,4-Trimethylbenzene	2.0	U	2.0	
541-73-1	1,3-Dichlorobenzene	2.0	U	2.0	
106-46-7	1,4-Dichlorobenzene	2.0	U	2.0	
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	
87-68-3	Hexachlorobutadiene	2.0	U	2.0	
91-20-3	Naphthalene	5.0	U	5.0	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: SV-4 Lab Sample ID: 200-49721-4

Matrix: Air Lab File ID: 200-368922-017.D

Analysis Method: TO-15 Date Collected: 07/19/2019 14:15

Sample wt/vol: 20(mL) Date Analyzed: 07/25/2019 00:34

Soil Aliquot Vol: Dilution Factor: 10

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

Number TICs Found: 3 TIC Result Total: 54

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	2.99	23	J	
541-05-9	Cyclotrisiloxane, hexamethyl-	14.52	19	J N	90%
	Unknown	22.27	12	J	

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-144428/4	200-36487-004.D
Level 2	IC 200-144428/5	200-36487-005.D
Level 3	IC 200-144428/6	200-36487-006.D
Level 4	IC 200-144428/7	200-36487-007.D
Level 5	ICIS 200-144428/8	200-36487-008.D
Level 6	IC 200-144428/9	200-36487-009.D
Level 7	IC 200-144428/12	200-36487-012.D
Level 8	IC 200-144428/13	200-36487-013.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	+++++ 1.5238	+++++ 1.3081	+++++ 1.2531	1.4983	1.2894	Ave		1.3745				9.2		30.0			
Dichlorodifluoromethane	+++++ 4.6630	+++++ 3.8555	4.4320 3.8729	4.3843	3.8206	Ave		4.1714				8.8		30.0			
Freon 22	+++++ 2.7262	+++++ 2.3410	2.5629 2.2236	2.2989	2.2300	Ave		2.3971				8.5		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 4.4497	4.6824 3.6299	4.0875 3.5298	4.0478	3.6783	Ave		4.0151				10.8		30.0			
Chloromethane	+++++ 1.5311	+++++ 1.3030	1.5095 1.2429	1.4577	1.2652	Ave		1.3849				9.3		30.0			
n-Butane	+++++ 1.6911	+++++ 1.5068	1.7868 1.4472	1.7330	1.4778	Ave		1.6071				9.1		30.0			
Vinyl chloride	+++++ 1.4536	1.5089 1.2137	1.3825 1.2098	1.3740	1.2110	Ave		1.3362				9.4		30.0			
1,3-Butadiene	+++++ 0.8969	0.8402 0.7569	0.8353 0.7314	0.7808	0.7474	Ave		0.7984				7.6		30.0			
Bromomethane	+++++ 1.4270	1.4197 1.1990	1.3605 1.1870	1.2570	1.1691	Ave		1.2885				8.7		30.0			
Chloroethane	+++++ 0.5016	+++++ 0.4387	0.4743 0.3991	0.4230	0.4012	Ave		0.4397				9.3		30.0			
Isopentane	+++++ 1.0403	1.1280 0.9181	1.1238 0.7987	0.9870	0.8882	Ave		0.9835				12.5		30.0			
Bromoethene(Vinyl Bromide)	+++++ 1.2650	1.1931 1.0419	1.1524 1.0100	1.0511	1.0116	Ave		1.1036				9.1		30.0			
Trichlorofluoromethane	+++++ 2.9752	3.0751 2.4511	2.9037 2.3791	2.6071	2.4101	Ave		2.6859				10.9		30.0			
n-Pentane	+++++ 1.5013	+++++ 1.3061	1.6181 1.1429	1.4018	1.2367	Ave		1.3678				12.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.2795	+++++ 0.2382	0.2721 0.2279	0.2309	0.2539	Ave		0.2504				8.7		30.0			
Ethyl ether	+++++ 0.5345	0.6477 0.4633	0.5749 0.4626	0.4013	0.4336	Ave		0.5026				17.3		30.0			
Acrolein	+++++ 0.2693	+++++ 0.2669	+++++ 0.2263	0.2144	0.2467	Ave		0.2447				9.9		30.0			
Freon TF	+++++ 2.7711	2.8709 2.3631	2.7428 2.2472	2.4329	2.1565	Ave		2.5121				11.2		30.0			
1,1-Dichloroethene	+++++ 1.2299	1.2602 1.0242	1.2836 0.9818	1.0676	0.9888	Ave		1.1195				11.9		30.0			
Acetone	+++++ 1.2467	+++++ 1.0333	+++++ 1.0079	0.9428	1.0266	Ave		1.0515				10.9		30.0			
Carbon disulfide	+++++ 3.8621	+++++ 3.2673	3.7621 3.2301	3.5175	3.1204	Ave		3.4599				8.8		30.0			
Isopropyl alcohol	+++++ 1.6122	+++++ 1.2273	+++++ 1.2530	1.2837	1.3030	Ave		1.3358				11.8		30.0			
3-Chloropropene	+++++ 1.2295	1.1857 1.2457	1.1751 1.0859	1.1747	0.9446	Ave		1.1488				9.0		30.0			
Acetonitrile	+++++ 0.6589	+++++ 0.5823	+++++ 0.5272	0.5097	0.5367	Ave		0.5630				10.7		30.0			
Methylene Chloride	+++++ 1.4367	+++++ 1.2772	1.5052 1.1724	1.2847	1.1686	Ave		1.3075				10.5		30.0			
tert-Butyl alcohol	+++++ 2.0929	+++++ 1.5347	+++++ 1.6395	1.5901	1.6353	Ave		1.6985				13.2		30.0			
Methyl tert-butyl ether	+++++ 2.4439	2.2914 1.9535	2.3075 1.9994	1.7668	1.9379	Ave		2.1001				11.8		30.0			
trans-1,2-Dichloroethene	+++++ 1.7601	1.6752 1.5321	1.6899 1.4354	1.5434	1.3879	Ave		1.5749				8.8		30.0			
Acrylonitrile	+++++ 0.6222	+++++ 0.5431	0.5927 0.5212	0.4414	0.4928	Ave		0.5356				12.3		30.0			
n-Hexane	+++++ 1.5673	1.4916 1.3648	1.4973 1.2928	1.3770	1.2482	Ave		1.4056				8.3		30.0			
1,1-Dichloroethane	+++++ 1.9752	2.2741 1.9721	2.1376 1.8712	1.9497	1.5041	Ave		1.9548				12.3		30.0			
Vinyl acetate	+++++ 2.0653	+++++ 1.7926	+++++ 1.7085	1.4027	1.7321	Ave		1.7402				13.6		30.0			
cis-1,2-Dichloroethene	+++++ 1.2776	1.1997 1.1392	1.1851 1.1459	1.1230	0.9486	Ave		1.1456				8.8		30.0			
Methyl Ethyl Ketone	+++++ 0.4622	+++++ 0.3617	0.5207 0.3635	0.3342	0.3660	Ave		0.4014				18.2		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl acetate	+++++ 0.0652	+++++ 0.0511	+++++ 0.0497	0.0503	0.0487	Ave		0.0530				13.0		30.0			
Tetrahydrofuran	+++++ 0.2136	+++++ 0.1662	+++++ 0.1752	0.1831	0.1642	Ave		0.1805				11.1		30.0			
Chloroform	+++++ 2.7315	2.9279 2.5045	2.7918 2.4828	2.4946	2.0267	Ave		2.5657				11.4		30.0			
Cyclohexane	+++++ 0.3020	0.4404 0.2399	0.2814 0.2542	0.3025	0.2269	Ave		0.2925				24.5		30.0			
1,1,1-Trichloroethane	+++++ 0.5379	0.6023 0.4447	0.5072 0.4810	0.5528	0.3773	Ave		0.5004				14.9		30.0			
Carbon tetrachloride	+++++ 0.6121	0.6421 0.4922	0.5108 0.5446	0.5615	0.4361	Ave		0.5428				13.0		30.0			
2,2,4-Trimethylpentane	+++++ 1.2851	1.6571 1.0533	1.2517 1.0978	1.3506	0.9588	Ave		1.2363				18.8		30.0			
Benzene	+++++ 0.7453	0.9114 0.7060	0.8449 0.7484	0.7728	0.5399	Ave		0.7527				15.5		30.0			
1,2-Dichloroethane	+++++ 0.3008	0.3751 0.2851	0.2953 0.3133	0.2929	0.2138	Ave		0.2966				16.0		30.0			
n-Heptane	+++++ 0.5248	0.6870 0.4376	0.4839 0.4477	0.5426	0.3980	Ave		0.5031				19.0		30.0			
n-Butanol	+++++ 0.1829	+++++ 0.1276	+++++ 0.1511	0.1507	0.1314	Ave		0.1487				14.8		30.0			
Trichloroethene	+++++ 0.4872	0.5859 0.3883	0.4323 0.4329	0.4752	0.3619	Ave		0.4520				16.3		30.0			
1,2-Dichloropropane	+++++ 0.3741	0.4594 0.3100	0.3692 0.3370	0.3174	0.2670	Ave		0.3477				17.6		30.0			
Methyl methacrylate	+++++ 0.3020	+++++ 0.2153	0.2477 0.2514	0.2180	0.2184	Ave		0.2421				13.8		30.0			
Dibromomethane	+++++ 0.4370	0.6591 0.3874	0.4456 0.4379	0.4796	0.3166	Ave		0.4519				23.3		30.0			
1,4-Dioxane	+++++ 0.1469	+++++ 0.1231	+++++ 0.1127	0.1361	0.1385	Ave		0.1315				10.3		30.0			
Bromodichloromethane	+++++ 0.6974	0.8064 0.6410	0.6501 0.7183	0.7439	0.5066	Ave		0.6805				14.0		30.0			
cis-1,3-Dichloropropene	+++++ 0.5716	0.6550 0.4917	0.5216 0.5409	0.4884	0.4134	Ave		0.5261				14.4		30.0			
methyl isobutyl ketone	+++++ 0.7548	+++++ 0.5200	0.5767 0.5873	0.6148	0.5481	Ave		0.6003				13.7		30.0			
Toluene	+++++ 0.6339	0.6918 0.5655	0.6204 0.5226	0.4989	0.4862	Ave		0.5742				13.4		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Octane	+++++ 0.7841	0.9707 0.7047	0.8021 0.7376	0.8814	0.5768	Ave		0.7796				16.2		30.0			
trans-1,3-Dichloropropene	+++++ 0.4947	0.6760 0.3957	0.4480 0.4650	0.4074	0.3606	Ave		0.4639				22.4		30.0			
1,1,2-Trichloroethane	+++++ 0.3803	0.4316 0.3407	0.3933 0.3132	0.3163	0.2967	Ave		0.3532				14.1		30.0			
Tetrachloroethene	+++++ 0.6537	0.7628 0.6147	0.6386 0.5478	0.6582	0.4957	Ave		0.6245				13.7		30.0			
Methyl Butyl Ketone (2-Hexanone)	+++++ 0.7369	+++++ 0.5675	0.6161 0.5194	0.5839	0.5538	Ave		0.5963				12.7		30.0			
Dibromochloromethane	+++++ 0.8214	0.8428 0.8436	0.6932 0.7604	0.6900	0.6351	Ave		0.7552				11.1		30.0			
1,2-Dibromoethane	+++++ 0.7001	0.7255 0.6396	0.6651 0.5906	0.5754	0.5282	Ave		0.6321				11.2		30.0			
Chlorobenzene	+++++ 0.8918	1.0314 0.8119	0.8837 0.7554	0.7482	0.6968	Ave		0.8313				13.7		30.0			
Ethylbenzene	+++++ 1.3831	1.4501 1.1706	1.3638 1.0923	1.0453	1.0764	Ave		1.2259				13.7		30.0			
n-Nonane	+++++ 0.7180	0.7334 0.6200	0.6649 0.5653	0.6314	0.5583	Ave		0.6416				10.7		30.0			
m,p-Xylene	+++++ 0.5187	0.5444 0.4379	0.4929 0.4008	0.3949	0.4063	Ave		0.4566				13.5		30.0			
Xylene, o-	+++++ 0.5206	0.4946 0.4404	0.4436 0.4133	0.3854	0.4127	Ave		0.4444				10.8		30.0			
Styrene	+++++ 0.8268	0.7809 0.7053	0.7318 0.6723	0.5996	0.6374	Ave		0.7077				11.2		30.0			
Bromoform	+++++ 0.8078	0.8108 0.7574	0.5244 0.6958	0.5560	0.6299	Ave		0.6831				17.1		30.0			
Cumene	+++++ 1.4923	1.5237 1.2435	1.3581 1.1462	1.1012	1.1469	Ave		1.2874				13.4		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.0269	1.1821 0.8549	0.9940 0.7651	0.8134	0.7902	Ave		0.9181				16.8		30.0			
n-Propylbenzene	+++++ 1.8345	1.9649 1.5036	1.7612 1.3344	1.3960	1.4229	Ave		1.6025				15.4		30.0			
1,2,3-Trichloropropane	+++++ 0.7091	0.8770 0.5851	0.7144 0.5063	0.5594	0.5577	Ave		0.6441				20.1		30.0			
2-Chlorotoluene	+++++ 1.2588	1.4258 1.0681	1.1958 0.9538	1.0339	0.9824	Ave		1.1312				15.1		30.0			
4-Ethyltoluene	+++++ 1.4584	1.6057 1.1786	1.3600 1.0507	1.1036	1.1424	Ave		1.2713				16.3		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Decane	+++++ 0.8803	+++++ 0.7150	0.7960 0.6241	0.7440	0.7057	Ave		0.7442				11.7		30.0			
1,3,5-Trimethylbenzene	+++++ 1.2250	1.4137 0.9928	1.0880 0.9050	0.9126	0.9373	Ave		1.0678				17.9		30.0			
Alpha Methyl Styrene	+++++ 0.6599	0.6686 0.5467	0.5102 0.5052	0.4632	0.4943	Ave		0.5497				14.9		30.0			
tert-Butylbenzene	+++++ 1.1040	1.2579 0.8940	1.0599 0.8245	0.8515	0.8528	Ave		0.9778				16.9		30.0			
1,2,4-Trimethylbenzene	+++++ 1.2340	1.3259 1.0023	1.0825 0.9071	0.9473	0.9607	Ave		1.0657				14.9		30.0			
sec-Butylbenzene	+++++ 1.8166	2.0843 1.4719	1.7281 1.3370	1.4073	1.4091	Ave		1.6077				17.2		30.0			
4-Isopropyltoluene	+++++ 1.4170	1.7092 1.1413	1.3076 0.9960	1.1163	1.1313	Ave		1.2598				19.2		30.0			
1,3-Dichlorobenzene	+++++ 0.8998	1.1383 0.7823	0.8544 0.6788	0.7654	0.7276	Ave		0.8352				18.3		30.0			
1,4-Dichlorobenzene	+++++ 0.9122	1.1721 0.7954	0.8642 0.7152	0.7612	0.7291	Ave		0.8499				18.7		30.0			
Benzyl chloride	+++++ 1.1867	1.3796 1.0227	1.0040 0.8924	0.9703	0.9597	Ave		1.0594				15.8		30.0			
n-Butylbenzene	+++++ 1.5163	1.7898 1.2002	1.3423 1.0642	1.2036	1.1772	Ave		1.3277				18.8		30.0			
n-Undecane	+++++ 0.9028	+++++ 0.7118	0.7092 0.6142	0.7442	0.7211	Ave		0.7339				12.8		30.0			
1,2-Dichlorobenzene	+++++ 0.8703	1.1500 0.7468	0.8751 0.6654	0.7429	0.7002	Ave		0.8215				20.1		30.0			
n-Dodecane	+++++ 0.7354	+++++ 0.6023	+++++ 0.5909	0.6160	0.5689	Ave		0.6227				10.5		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6015	+++++ 0.5271	0.5533 0.4968	0.5420	0.5026	Ave		0.5372				7.1		30.0			
Hexachlorobutadiene	+++++ 0.5709	0.9012 0.4810	0.5857 0.4607	0.5006	0.4647	Ave		0.5664				27.5		30.0			
Naphthalene	+++++ 1.2165	+++++ 1.0775	1.0866 0.9648	1.0931	1.0277	Ave		1.0777				7.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.4736	+++++ 0.4168	0.4446 0.4121	0.4731	0.4143	Ave		0.4391				6.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-144428/4	200-36487-004.D
Level 2	IC 200-144428/5	200-36487-005.D
Level 3	IC 200-144428/6	200-36487-006.D
Level 4	IC 200-144428/7	200-36487-007.D
Level 5	ICIS 200-144428/8	200-36487-008.D
Level 6	IC 200-144428/9	200-36487-009.D
Level 7	IC 200-144428/12	200-36487-012.D
Level 8	IC 200-144428/13	200-36487-013.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	+++++ 505241	+++++ 642808	+++++ 1136142	146850	308642	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Dichlorodifluoromethane	BCM	Ave	+++++ 1546124	+++++ 1894579	50707 3511417	429717	914526	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Freon 22	BCM	Ave	+++++ 903925	+++++ 1150373	29323 2016061	225320	533791	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorotetrafluoroethane	BCM	Ave	+++++ 1475402	18414 1783720	46766 3200346	396733	880465	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloromethane	BCM	Ave	+++++ 507689	+++++ 640304	17271 1126918	142878	302852	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Butane	BCM	Ave	+++++ 560716	+++++ 740417	20443 1312088	169853	353739	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Vinyl chloride	BCM	Ave	+++++ 481985	5934 596393	15818 1096839	134665	289868	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Butadiene	BCM	Ave	+++++ 297380	3304 371961	9557 663137	76533	178916	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromomethane	BCM	Ave	+++++ 473161	5583 589182	15566 1076215	123201	279841	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chloroethane	BCM	Ave	+++++ 166334	+++++ 215570	5426 361803	41464	96042	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopentane	BCM	Ave	+++++ 344936	4436 451165	12858 724177	96741	212598	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoethene(Vinyl Bromide)	BCM	Ave	+++++ 419428	4692 511994	13185 915689	103021	242156	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Trichlorofluoromethane	BCM	Ave	+++++ 986499	12093 1204472	33222 2156983	255532	576899	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Pentane	BCM	Ave	+++++ 497802	+++++ 641791	18513 1036238	137392	296029	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethanol	BCM	Ave	+++++ 123854	+++++ 234091	31166 516540	45284	91217	+++++ 20.0	+++++ 40.0	5.01 100.0	9.99	15.0

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethyl ether	BCM	Ave	+++++ 177242	2547 227666	6578 419449	39331	103782	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrolein	BCM	Ave	+++++ 89298	+++++ 131155	+++++ 205178	21015	59041	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Freon TF	BCM	Ave	+++++ 918828	11290 1161220	31381 2037417	238455	516200	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethene	BCM	Ave	+++++ 407809	4956 503262	14686 890200	104643	236688	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetone	BCM	Ave	+++++ 413367	+++++ 507778	+++++ 913775	92409	245730	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Carbon disulfide	BCM	Ave	+++++ 1280568	+++++ 1605546	43043 2928628	344765	746926	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Isopropyl alcohol	BCM	Ave	+++++ 534566	+++++ 603105	+++++ 1136034	125819	311899	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
3-Chloropropene	BCM	Ave	+++++ 407667	4663 612142	13445 984566	115139	226107	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acetonitrile	BCM	Ave	+++++ 218483	+++++ 286153	+++++ 478029	49953	128475	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methylene Chloride	BCM	Ave	+++++ 476386	+++++ 627618	17221 1062951	125913	279722	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
tert-Butyl alcohol	BCM	Ave	+++++ 693954	+++++ 754157	+++++ 1486446	155849	391448	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Methyl tert-butyl ether	BCM	Ave	+++++ 810346	9011 959922	26400 1812799	173166	463883	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,2-Dichloroethene	BCM	Ave	+++++ 583597	6588 752864	19334 1301399	151273	332229	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Acrylonitrile	BCM	Ave	+++++ 206319	+++++ 266861	6781 472523	43263	117962	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
n-Hexane	BCM	Ave	+++++ 519689	5866 670668	17131 1172164	134967	298778	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1-Dichloroethane	BCM	Ave	+++++ 654914	8943 969101	24457 1696517	191092	360025	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Vinyl acetate	BCM	Ave	+++++ 684806	+++++ 880896	+++++ 1549009	137479	414619	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
cis-1,2-Dichloroethene	BCM	Ave	+++++ 423606	4718 559802	13559 1038928	110068	227073	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Ethyl Ketone	BCM	Ave	+++++ 153244	+++++ 177735	5957 329563	32760	87621	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Ethyl acetate	BCM	Ave	+++++ 21610	+++++ 25134	+++++ 45086	4927	11651	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Tetrahydrofuran	DFBZ	Ave	+++++ 353073	+++++ 437598	+++++ 771551	78108	207942	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chloroform	BCM	Ave	+++++ 905711	11514 1230700	31942 2251045	244506	485134	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cyclohexane	DFBZ	Ave	+++++ 499141	6565 631622	16276 1119359	129055	287359	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,1-Trichloroethane	DFBZ	Ave	+++++ 889060	8978 1170649	29330 2118168	235797	477806	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Carbon tetrachloride	DFBZ	Ave	+++++ 1011726	9571 1295648	29543 2398138	239526	552169	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 2124040	24702 2773021	72386 4834248	576145	1214064	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzene	DFBZ	Ave	+++++ 1231822	13586 1858585	48860 3295754	329686	683643	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloroethane	DFBZ	Ave	+++++ 497148	5591 750431	17076 1379404	124945	270658	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Heptane	DFBZ	Ave	+++++ 867429	10241 1152102	27986 1971216	231483	503930	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butanol	DFBZ	Ave	+++++ 302378	+++++ 335975	+++++ 665553	64269	166364	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Trichloroethene	DFBZ	Ave	+++++ 805252	8734 1022306	24999 1906452	202699	458307	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dichloropropane	DFBZ	Ave	+++++ 618389	6848 816076	21354 1484075	135399	338127	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl methacrylate	DFBZ	Ave	+++++ 499248	+++++ 566821	14326 1106881	93010	276561	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromomethane	DFBZ	Ave	+++++ 722321	9825 1019757	25767 1928419	204574	400836	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dioxane	DFBZ	Ave	+++++ 242774	+++++ 324107	+++++ 496474	58043	175348	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
Bromodichloromethane	DFBZ	Ave	+++++ 1152780	12020 1687374	37596 3163194	317337	641524	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 944868	9764 1294347	30163 2381940	208346	523407	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
methyl isobutyl ketone	DFBZ	Ave	+++++ 1247594	+++++ 1369061	33351 2586290	262255	693968	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Toluene	CBNZ d5	Ave	+++++ 1043237	11536 1297383	33248 2544264	215488	574987	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Octane	DFBZ	Ave	+++++ 1296077	14470 1855216	46388 3247798	376005	730335	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
trans-1,3-Dichloropropene	DFBZ	Ave	+++++ 817626	10076 1041634	25908 2047591	173804	456544	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 625811	7198 781707	21079 1524613	136613	350862	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBNZ d5	Ave	+++++ 1075778	12721 1410370	34224 2666764	284305	586158	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Methyl Butyl Ketone (2-Hexanone)	CBNZ d5	Ave	+++++ 1212720	+++++ 1302009	33022 2528565	252230	654832	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Dibromochloromethane	CBNZ d5	Ave	+++++ 1351789	14055 1935379	37151 3701923	298029	751036	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2-Dibromoethane	CBNZ d5	Ave	+++++ 1152123	12099 1467330	35646 2875044	248536	624621	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Chlorobenzene	CBNZ d5	Ave	+++++ 1467538	17199 1862854	47360 3677313	323188	823954	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Ethylbenzene	CBNZ d5	Ave	+++++ 2276098	24181 2685792	73092 5317358	451502	1272896	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Nonane	CBNZ d5	Ave	+++++ 1181528	12230 1422563	35635 2751785	272731	660210	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
m,p-Xylene	CBNZ d5	Ave	+++++ 1707088	18158 2009411	52832 3902555	341147	960928	+++++ 30.0	0.401 40.0	1.00 80.0	9.99	20.0
Xylene, o-	CBNZ d5	Ave	+++++ 856755	8248 1010381	23773 2012154	166466	488086	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Styrene	CBNZ d5	Ave	+++++ 1360639	13023 1618156	39221 3273061	258995	753716	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Bromoform	CBNZ d5	Ave	+++++ 1329412	13520 1737625	28104 3387415	240168	744829	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Cumene	CBNZ d5	Ave	+++++ 2455781	25409 2853083	72788 5580015	475653	1356266	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,1,2,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 1689830	19712 1961437	53276 3724369	351362	934422	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Propylbenzene	CBNZ d5	Ave	+++++ 3018976	32766 3449649	94393 6495908	603001	1682690	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichloropropane	CBNZ d5	Ave	+++++ 1166971	14624 1342299	38286 2464860	241639	659469	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
2-Chlorotoluene	CBNZ d5	Ave	+++++ 2071508	23776 2450452	64092 4643131	446599	1161777	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Ethyltoluene	CBNZ d5	Ave	+++++ 2400039	26776 2704006	72891 5114838	476718	1350953	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Decane	CBNZ d5	Ave	+++++ 1448661	+++++ 1640511	42661 3038417	321354	834522	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,3,5-Trimethylbenzene	CBNZ d5	Ave	+++++ 2015926	23574 2277883	58314 4405408	394202	1108348	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Alpha Methyl Styrene	CBNZ d5	Ave	+++++ 1085906	11149 1254282	27345 2459339	200065	584477	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
tert-Butylbenzene	CBNZ d5	Ave	+++++ 1816728	20977 2051157	56804 4013768	367818	1008517	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1 Analy Batch No.: 144428

SDG No.:

Instrument ID: CHG.i GC Column: RTX-624 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2019 18:57 Calibration End Date: 06/25/2019 02:32 Calibration ID: 41994

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2,4-Trimethylbenzene	CBNZ d5	Ave	+++++ 2030639	22110 2299545	58015 4415848	409180	1136091	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
sec-Butylbenzene	CBNZ d5	Ave	+++++ 2989522	34757 3376878	92616 6508732	607882	1666318	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
4-Isopropyltoluene	CBNZ d5	Ave	+++++ 2331797	28502 2618510	70083 4848675	482203	1337802	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,3-Dichlorobenzene	CBNZ d5	Ave	+++++ 1480754	18982 1794910	45791 3304684	330634	860363	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
1,4-Dichlorobenzene	CBNZ d5	Ave	+++++ 1501220	19545 1824821	46318 3481826	328798	862226	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Benzyl chloride	CBNZ d5	Ave	+++++ 1952938	23006 2346426	53811 4344256	419137	1134831	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Butylbenzene	CBNZ d5	Ave	+++++ 2495333	29846 2753643	71943 5180813	519886	1392111	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Undecane	CBNZ d5	Ave	+++++ 1485666	+++++ 1632993	38008 2990027	321469	852699	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2-Dichlorobenzene	CBNZ d5	Ave	+++++ 1432279	19178 1713328	46903 3239214	320881	827965	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
n-Dodecane	CBNZ d5	Ave	+++++ 1210246	+++++ 1381948	+++++ 2876461	266095	672700	+++++ 15.0	+++++ 20.0	+++++ 40.0	4.99	10.00
1,2,4-Trichlorobenzene	CBNZ d5	Ave	+++++ 989912	+++++ 1209440	29657 2418455	234098	594343	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
Hexachlorobutadiene	CBNZ d5	Ave	+++++ 939451	15029 1103545	31389 2242588	216256	549486	+++++ 15.0	0.200 20.0	0.500 40.0	4.99	10.00
Naphthalene	CBNZ d5	Ave	+++++ 2001891	+++++ 2472160	58239 4696851	472163	1215318	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00
1,2,3-Trichlorobenzene	CBNZ d5	Ave	+++++ 779336	+++++ 956213	23830 2006385	204341	489894	+++++ 15.0	+++++ 20.0	0.500 40.0	4.99	10.00

Curve Type Legend:
Ave = Average ISTD

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 200-36487-016.D

Lab ID: ICV 200-144428/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.0	100	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.96	100	70-130	
Chloromethane	10.0	9.97	100	70-130	
Vinyl chloride	10.0	9.57	96	70-130	
1,3-Butadiene	10.0	9.94	99	70-130	
Bromomethane	10.0	9.80	98	70-130	
Chloroethane	10.0	10.1	101	70-130	
Bromoethene(Vinyl Bromide)	10.0	10.0	100	70-130	
Trichlorofluoromethane	10.0	9.99	100	70-130	
Freon TF	10.0	10.2	102	70-130	
1,1-Dichloroethene	10.0	9.89	99	70-130	
Acetone	10.0	10.5	105	70-130	
Carbon disulfide	10.0	10.0	100	70-130	
Ethanol	15.0	15.5	104	70-130	
3-Chloropropene	10.0	11.0	110	70-130	
Methylene Chloride	10.0	10.2	102	70-130	
tert-Butyl alcohol	10.0	9.77	98	70-130	
Isopropyl alcohol	10.0	9.48	95	70-130	
Methyl tert-butyl ether	10.0	9.95	100	70-130	
trans-1,2-Dichloroethene	10.0	10.0	100	70-130	
n-Hexane	10.0	10.3	103	70-130	
1,1-Dichloroethane	10.0	10.5	105	70-130	
Methyl Ethyl Ketone	10.0	9.44	94	70-130	
cis-1,2-Dichloroethene	10.0	10.3	103	70-130	
Chloroform	10.0	10.2	102	70-130	
1,1,1-Trichloroethane	10.0	10.5	105	70-130	
Cyclohexane	10.0	9.87	99	70-130	
Carbon tetrachloride	10.0	10.6	106	70-130	
2,2,4-Trimethylpentane	10.0	10.1	101	70-130	
Benzene	10.0	10.7	107	70-130	
1,2-Dichloroethane	10.0	10.4	104	70-130	
n-Heptane	10.0	10.2	102	70-130	
Trichloroethene	10.0	10.4	104	70-130	
1,2-Dichloropropane	10.0	10.4	104	70-130	
Tetrahydrofuran	10.0	11.1	111	70-130	
Bromodichloromethane	10.0	10.9	109	70-130	
cis-1,3-Dichloropropene	10.0	10.6	106	70-130	
methyl isobutyl ketone	10.0	10.5	105	70-130	
Toluene	10.0	10.6	106	70-130	
trans-1,3-Dichloropropene	10.0	10.2	102	70-130	
1,1,2-Trichloroethane	10.0	10.4	104	70-130	
Tetrachloroethene	10.0	10.4	104	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM III
AIR - GC/MS VOA INITIAL CALIBRATION VERIFICATION RECOVERY

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 200-36487-016.D

Lab ID: ICV 200-144428/16 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	ICV CONCENTRATION (ppb v/v)	ICV % REC	QC LIMITS REC	#
Dibromochloromethane	10.0	10.8	108	70-130	
1,2-Dibromoethane	10.0	10.7	107	70-130	
Methyl methacrylate	10.0	10.8	108	70-130	
Chlorobenzene	10.0	10.4	104	70-130	
1,4-Dioxane	10.0	10.0	100	70-130	
Ethylbenzene	10.0	10.3	103	70-130	
m,p-Xylene	20.0	20.9	105	70-130	
Xylene, o-	10.0	10.6	106	70-130	
Styrene	10.0	10.5	106	70-130	
Bromoform	10.0	11.1	111	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.81	98	70-130	
4-Ethyltoluene	10.0	9.93	99	70-130	
1,3,5-Trimethylbenzene	10.0	9.94	99	70-130	
2-Chlorotoluene	10.0	10.2	102	70-130	
1,2,4-Trimethylbenzene	10.0	9.98	100	70-130	
1,3-Dichlorobenzene	10.0	10.0	100	70-130	
1,4-Dichlorobenzene	10.0	10.0	100	70-130	
1,2-Dichlorobenzene	10.0	9.81	98	70-130	
1,2,4-Trichlorobenzene	10.0	10.7	107	70-130	
Hexachlorobutadiene	10.0	9.40	94	70-130	
Naphthalene	10.0	11.0	110	70-130	

Column to be used to flag recovery and RPD values

FORM III TO-15

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Lab Sample ID: CCVIS 200-145426/2 Calibration Date: 07/24/2019 11:24

Instrument ID: CHG.i Calib Start Date: 06/24/2019 18:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/25/2019 02:32

Lab File ID: 200-368922-002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	1.375	1.775		12.9	10.0	29.1	30.0
Dichlorodifluoromethane	Ave	4.171	4.419		10.6	10.0	5.9	30.0
Freon 22	Ave	2.397	3.133		13.1	10.0	30.7*	30.0
1,2-Dichlorotetrafluoroethane	Ave	4.015	4.423		11.0	10.0	10.2	30.0
Chloromethane	Ave	1.385	1.705		12.3	10.0	23.1	30.0
n-Butane	Ave	1.607	1.974		12.3	10.0	22.9	30.0
Vinyl chloride	Ave	1.336	1.485		11.1	10.0	11.1	30.0
1,3-Butadiene	Ave	0.7984	0.9145		11.5	10.0	14.5	30.0
Bromomethane	Ave	1.288	1.311		10.2	10.0	1.8	30.0
Chloroethane	Ave	0.4397	0.4827		11.0	10.0	9.8	30.0
Isopentane	Ave	0.9835	1.055		10.7	10.0	7.3	30.0
Bromoethene(Vinyl Bromide)	Ave	1.104	1.052		9.53	10.0	-4.6	30.0
Trichlorofluoromethane	Ave	2.686	2.608		9.71	10.0	-2.9	30.0
n-Pentane	Ave	1.368	1.514		11.1	10.0	10.7	30.0
Ethanol	Ave	0.2504	0.2468		14.8	15.0	-1.5	30.0
Ethyl ether	Ave	0.5026	0.4973		9.89	10.0	-1.0	30.0
Acrolein	Ave	0.2447	0.2827		11.5	10.0	15.5	30.0
Freon TF	Ave	2.512	2.559		10.2	10.0	1.9	30.0
1,1-Dichloroethene	Ave	1.119	1.104		9.86	10.0	-1.4	30.0
Acetone	Ave	1.051	1.127		10.7	10.0	7.2	30.0
Carbon disulfide	Ave	3.460	3.668		10.6	10.0	6.0	30.0
Isopropyl alcohol	Ave	1.336	1.535		11.5	10.0	14.9	30.0
3-Chloropropene	Ave	1.149	1.035		9.01	10.0	-9.9	30.0
Acetonitrile	Ave	0.5630	0.6378		11.3	10.0	13.3	30.0
Methylene Chloride	Ave	1.307	1.468		11.2	10.0	12.2	30.0
tert-Butyl alcohol	Ave	1.699	1.864		11.0	10.0	9.7	30.0
Methyl tert-butyl ether	Ave	2.100	1.949		9.28	10.0	-7.2	30.0
trans-1,2-Dichloroethene	Ave	1.575	1.689		10.7	10.0	7.2	30.0
Acrylonitrile	Ave	0.5356	0.5963		11.1	10.0	11.3	30.0
n-Hexane	Ave	1.406	1.506		10.7	10.0	7.1	30.0
1,1-Dichloroethane	Ave	1.955	2.151		11.0	10.0	10.1	30.0
Vinyl acetate	Ave	1.740	1.911		11.0	10.0	9.8	30.0
cis-1,2-Dichloroethene	Ave	1.146	1.156		10.1	10.0	0.9	30.0
Methyl Ethyl Ketone	Ave	0.4014	0.3547		8.83	10.0	-11.6	30.0
Ethyl acetate	Ave	0.0530	0.0457		8.62	10.0	-13.7	30.0
Tetrahydrofuran	Ave	0.1805	0.1736		9.62	10.0	-3.8	30.0
Chloroform	Ave	2.566	2.592		10.1	10.0	1.0	30.0
Cyclohexane	Ave	0.2925	0.2568		8.78	10.0	-12.2	30.0
1,1,1-Trichloroethane	Ave	0.5004	0.4711		9.41	10.0	-5.9	30.0
Carbon tetrachloride	Ave	0.5428	0.5115		9.42	10.0	-5.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Lab Sample ID: CCVIS 200-145426/2 Calibration Date: 07/24/2019 11:24

Instrument ID: CHG.i Calib Start Date: 06/24/2019 18:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/25/2019 02:32

Lab File ID: 200-368922-002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2,4-Trimethylpentane	Ave	1.236	1.168		9.44	10.0	-5.5	30.0
Benzene	Ave	0.7527	0.7575		10.1	10.0	0.6	30.0
1,2-Dichloroethane	Ave	0.2966	0.3038		10.2	10.0	2.4	30.0
n-Heptane	Ave	0.5031	0.4884		9.71	10.0	-2.9	30.0
n-Butanol	Ave	0.1487	0.1576		10.6	10.0	6.0	30.0
Trichloroethene	Ave	0.4520	0.4047		8.95	10.0	-10.5	30.0
1,2-Dichloropropane	Ave	0.3477	0.3324		9.56	10.0	-4.4	30.0
Methyl methacrylate	Ave	0.2421	0.2135		8.82	10.0	-11.8	30.0
Dibromomethane	Ave	0.4519	0.3957		8.76	10.0	-12.4	30.0
1,4-Dioxane	Ave	0.1315	0.1270		9.66	10.0	-3.4	30.0
Bromodichloromethane	Ave	0.6805	0.6549		9.62	10.0	-3.8	30.0
cis-1,3-Dichloropropene	Ave	0.5261	0.5110		9.71	10.0	-2.9	30.0
methyl isobutyl ketone	Ave	0.6003	0.5752		9.58	10.0	-4.2	30.0
Toluene	Ave	0.5742	0.6050		10.5	10.0	5.4	30.0
n-Octane	Ave	0.7796	0.7576		9.72	10.0	-2.8	30.0
trans-1,3-Dichloropropene	Ave	0.4639	0.3985		8.59	10.0	-14.1	30.0
1,1,2-Trichloroethane	Ave	0.3532	0.3598		10.2	10.0	1.9	30.0
Tetrachloroethene	Ave	0.6245	0.6298		10.1	10.0	0.9	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.5963	0.6656		11.2	10.0	11.6	30.0
Dibromochloromethane	Ave	0.7552	0.8484		11.2	10.0	12.3	30.0
1,2-Dibromoethane	Ave	0.6321	0.6683		10.6	10.0	5.7	30.0
Chlorobenzene	Ave	0.8313	0.8425		10.1	10.0	1.4	30.0
Ethylbenzene	Ave	1.226	1.204		9.82	10.0	-1.8	30.0
n-Nonane	Ave	0.6416	0.6525		10.2	10.0	1.7	30.0
m,p-Xylene	Ave	0.4566	0.4470		19.6	20.0	-2.1	30.0
Xylene, o-	Ave	0.4444	0.4430		9.97	10.0	-0.3	30.0
Styrene	Ave	0.7077	0.7090		10.0	10.0	0.2	30.0
Bromoform	Ave	0.6831	0.6558		9.60	10.0	-4.0	30.0
Cumene	Ave	1.287	1.214		9.43	10.0	-5.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9181	0.8748		9.53	10.0	-4.7	30.0
n-Propylbenzene	Ave	1.603	1.491		9.30	10.0	-6.9	30.0
1,2,3-Trichloropropane	Ave	0.6441	0.6130		9.51	10.0	-4.8	30.0
2-Chlorotoluene	Ave	1.131	1.091		9.65	10.0	-3.5	30.0
4-Ethyltoluene	Ave	1.271	1.180		9.28	10.0	-7.2	30.0
n-Decane	Ave	0.7442	0.7622		10.2	10.0	2.4	30.0
1,3,5-Trimethylbenzene	Ave	1.068	0.9878		9.25	10.0	-7.5	30.0
Alpha Methyl Styrene	Ave	0.5497	0.5350		9.73	10.0	-2.7	30.0
tert-Butylbenzene	Ave	0.9778	0.8953		9.15	10.0	-8.4	30.0
1,2,4-Trimethylbenzene	Ave	1.066	1.008		9.46	10.0	-5.4	30.0
sec-Butylbenzene	Ave	1.608	1.500		9.33	10.0	-6.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Lab Sample ID: CCVIS 200-145426/2 Calibration Date: 07/24/2019 11:24

Instrument ID: CHG.i Calib Start Date: 06/24/2019 18:57

GC Column: RTX-624 ID: 0.32(mm) Calib End Date: 06/25/2019 02:32

Lab File ID: 200-368922-002.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	1.260	1.187		9.42	10.0	-5.8	30.0
1,3-Dichlorobenzene	Ave	0.8352	0.7920		9.48	10.0	-5.2	30.0
1,4-Dichlorobenzene	Ave	0.8499	0.7990		9.40	10.0	-6.0	30.0
Benzyl chloride	Ave	1.059	1.035		9.76	10.0	-2.3	30.0
n-Butylbenzene	Ave	1.328	1.307		9.84	10.0	-1.6	30.0
n-Undecane	Ave	0.7339	0.8324		11.3	10.0	13.4	30.0
1,2-Dichlorobenzene	Ave	0.8215	0.7610		9.26	10.0	-7.4	30.0
n-Dodecane	Ave	0.6227	0.7212		11.6	10.0	15.8	30.0
1,2,4-Trichlorobenzene	Ave	0.5372	0.5682		10.6	10.0	5.8	30.0
Hexachlorobutadiene	Ave	0.5664	0.5208		9.19	10.0	-8.0	30.0
Naphthalene	Ave	1.078	1.224		11.4	10.0	13.6	30.0
1,2,3-Trichlorobenzene	Ave	0.4391	0.4864		11.1	10.0	10.8	30.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-145426/5

Matrix: Air Lab File ID: 200-368922-005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2019 14:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	
76-14-2	1,2-Dichlorotetrafluoroethane	0.20	U	0.20	
74-87-3	Chloromethane	0.50	U	0.50	
75-01-4	Vinyl chloride	0.20	U	0.20	
106-99-0	1,3-Butadiene	0.20	U	0.20	
74-83-9	Bromomethane	0.20	U	0.20	
75-00-3	Chloroethane	0.50	U	0.50	
593-60-2	Bromoethene(Vinyl Bromide)	0.20	U	0.20	
75-69-4	Trichlorofluoromethane	0.20	U	0.20	
76-13-1	Freon TF	0.20	U	0.20	
75-35-4	1,1-Dichloroethene	0.20	U	0.20	
67-64-1	Acetone	5.0	U	5.0	
75-15-0	Carbon disulfide	0.50	U	0.50	
64-17-5	Ethanol	5.0	U	5.0	
107-05-1	3-Chloropropene	0.50	U	0.50	
75-09-2	Methylene Chloride	0.50	U	0.50	
75-65-0	tert-Butyl alcohol	5.0	U	5.0	
67-63-0	Isopropyl alcohol	5.0	U	5.0	
1634-04-4	Methyl tert-butyl ether	0.20	U	0.20	
156-60-5	trans-1,2-Dichloroethene	0.20	U	0.20	
110-54-3	n-Hexane	0.20	U	0.20	
75-34-3	1,1-Dichloroethane	0.20	U	0.20	
78-93-3	Methyl Ethyl Ketone	0.50	U	0.50	
156-59-2	cis-1,2-Dichloroethene	0.20	U	0.20	
67-66-3	Chloroform	0.20	U	0.20	
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	
110-82-7	Cyclohexane	0.20	U	0.20	
56-23-5	Carbon tetrachloride	0.20	U	0.20	
540-84-1	2,2,4-Trimethylpentane	0.20	U	0.20	
71-43-2	Benzene	0.20	U	0.20	
107-06-2	1,2-Dichloroethane	0.20	U	0.20	
142-82-5	n-Heptane	0.20	U	0.20	
79-01-6	Trichloroethene	0.20	U	0.20	
78-87-5	1,2-Dichloropropane	0.20	U	0.20	
109-99-9	Tetrahydrofuran	5.0	U	5.0	
75-27-4	Bromodichloromethane	0.20	U	0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-145426/5

Matrix: Air Lab File ID: 200-368922-005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2019 14:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
10061-01-5	cis-1,3-Dichloropropene	0.20	U	0.20	
108-10-1	methyl isobutyl ketone	0.50	U	0.50	
108-88-3	Toluene	0.20	U	0.20	
10061-02-6	trans-1,3-Dichloropropene	0.20	U	0.20	
79-00-5	1,1,2-Trichloroethane	0.20	U	0.20	
127-18-4	Tetrachloroethene	0.20	U	0.20	
124-48-1	Dibromochloromethane	0.20	U	0.20	
106-93-4	1,2-Dibromoethane	0.20	U	0.20	
80-62-6	Methyl methacrylate	0.50	U	0.50	
108-90-7	Chlorobenzene	0.20	U	0.20	
123-91-1	1,4-Dioxane	5.0	U	5.0	
100-41-4	Ethylbenzene	0.20	U	0.20	
179601-23-1	m,p-Xylene	0.50	U	0.50	
95-47-6	Xylene, o-	0.20	U	0.20	
100-42-5	Styrene	0.20	U	0.20	
75-25-2	Bromoform	0.20	U	0.20	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U	0.20	
622-96-8	4-Ethyltoluene	0.20	U	0.20	
108-67-8	1,3,5-Trimethylbenzene	0.20	U	0.20	
95-49-8	2-Chlorotoluene	0.20	U	0.20	
95-63-6	1,2,4-Trimethylbenzene	0.20	U	0.20	
541-73-1	1,3-Dichlorobenzene	0.20	U	0.20	
106-46-7	1,4-Dichlorobenzene	0.20	U	0.20	
95-50-1	1,2-Dichlorobenzene	0.20	U	0.20	
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	
87-68-3	Hexachlorobutadiene	0.20	U	0.20	
91-20-3	Naphthalene	0.50	U	0.50	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-145426/5

Matrix: Air Lab File ID: 200-368922-005.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2019 14:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-145426/3

Matrix: Air Lab File ID: 200-368922-003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2019 12:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
75-71-8	Dichlorodifluoromethane	10.5		0.50	
76-14-2	1,2-Dichlorotetrafluoroethane	10.1		0.20	
74-87-3	Chloromethane	11.1		0.50	
75-01-4	Vinyl chloride	10.0		0.20	
106-99-0	1,3-Butadiene	9.76		0.20	
74-83-9	Bromomethane	9.04		0.20	
75-00-3	Chloroethane	9.26		0.50	
593-60-2	Bromoethene(Vinyl Bromide)	8.65		0.20	
75-69-4	Trichlorofluoromethane	8.88		0.20	
76-13-1	Freon TF	9.02		0.20	
75-35-4	1,1-Dichloroethene	9.09		0.20	
67-64-1	Acetone	9.53		5.0	
75-15-0	Carbon disulfide	9.98		0.50	
64-17-5	Ethanol	14.8		5.0	
107-05-1	3-Chloropropene	7.68		0.50	
75-09-2	Methylene Chloride	9.55		0.50	
75-65-0	tert-Butyl alcohol	10.5		5.0	
67-63-0	Isopropyl alcohol	11.4		5.0	
1634-04-4	Methyl tert-butyl ether	9.12		0.20	
156-60-5	trans-1,2-Dichloroethene	9.80		0.20	
110-54-3	n-Hexane	9.39		0.20	
75-34-3	1,1-Dichloroethane	9.60		0.20	
78-93-3	Methyl Ethyl Ketone	9.24		0.50	
156-59-2	cis-1,2-Dichloroethene	9.29		0.20	
67-66-3	Chloroform	9.31		0.20	
71-55-6	1,1,1-Trichloroethane	9.42		0.20	
110-82-7	Cyclohexane	9.02		0.20	
56-23-5	Carbon tetrachloride	9.44		0.20	
540-84-1	2,2,4-Trimethylpentane	9.55		0.20	
71-43-2	Benzene	8.12		0.20	
107-06-2	1,2-Dichloroethane	8.11		0.20	
142-82-5	n-Heptane	9.91		0.20	
79-01-6	Trichloroethene	9.40		0.20	
78-87-5	1,2-Dichloropropane	8.51		0.20	
109-99-9	Tetrahydrofuran	9.94		5.0	
75-27-4	Bromodichloromethane	9.40		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-145426/3

Matrix: Air Lab File ID: 200-368922-003.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 07/24/2019 12:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 145426 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
10061-01-5	cis-1,3-Dichloropropene	8.57		0.20	
108-10-1	methyl isobutyl ketone	10.7		0.50	
108-88-3	Toluene	8.71		0.20	
10061-02-6	trans-1,3-Dichloropropene	8.37		0.20	
79-00-5	1,1,2-Trichloroethane	8.92		0.20	
127-18-4	Tetrachloroethene	9.16		0.20	
124-48-1	Dibromochloromethane	8.79		0.20	
106-93-4	1,2-Dibromoethane	8.90		0.20	
80-62-6	Methyl methacrylate	9.86		0.50	
108-90-7	Chlorobenzene	8.73		0.20	
123-91-1	1,4-Dioxane	12.6		5.0	
100-41-4	Ethylbenzene	8.93		0.20	
179601-23-1	m,p-Xylene	18.2		0.50	
95-47-6	Xylene, o-	9.18		0.20	
100-42-5	Styrene	9.23		0.20	
75-25-2	Bromoform	8.53		0.20	
79-34-5	1,1,2,2-Tetrachloroethane	9.32		0.20	
622-96-8	4-Ethyltoluene	9.29		0.20	
108-67-8	1,3,5-Trimethylbenzene	9.18		0.20	
95-49-8	2-Chlorotoluene	9.15		0.20	
95-63-6	1,2,4-Trimethylbenzene	9.47		0.20	
541-73-1	1,3-Dichlorobenzene	9.14		0.20	
106-46-7	1,4-Dichlorobenzene	8.97		0.20	
95-50-1	1,2-Dichlorobenzene	9.03		0.20	
120-82-1	1,2,4-Trichlorobenzene	10.4		0.50	
87-68-3	Hexachlorobutadiene	9.09		0.20	
91-20-3	Naphthalene	11.4		0.50	

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Start Date: 06/24/2019 16:32

Analysis Batch Number: 144428 End Date: 06/25/2019 05:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-144428/1		06/24/2019 16:32	1	200-36487-001.D	RTX-624 0.32(mm)
IC 200-144428/4		06/24/2019 18:57	1	200-36487-004.D	RTX-624 0.32(mm)
IC 200-144428/5		06/24/2019 19:47	1	200-36487-005.D	RTX-624 0.32(mm)
IC 200-144428/6		06/24/2019 20:38	1	200-36487-006.D	RTX-624 0.32(mm)
IC 200-144428/7		06/24/2019 21:29	1	200-36487-007.D	RTX-624 0.32(mm)
ICIS 200-144428/8		06/24/2019 22:19	1	200-36487-008.D	RTX-624 0.32(mm)
IC 200-144428/9		06/24/2019 23:09	1	200-36487-009.D	RTX-624 0.32(mm)
IC 200-144428/12		06/25/2019 01:41	1	200-36487-012.D	RTX-624 0.32(mm)
IC 200-144428/13		06/25/2019 02:32	1	200-36487-013.D	RTX-624 0.32(mm)
ICV 200-144428/16		06/25/2019 05:04	1	200-36487-016.D	RTX-624 0.32(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-49721-1

SDG No.:

Instrument ID: CHG.i Start Date: 07/24/2019 10:25

Analysis Batch Number: 145426 End Date: 07/25/2019 09:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-145426/1		07/24/2019 10:25	1	200-36922-001.D	RTX-624 0.32(mm)
CCVIS 200-145426/2		07/24/2019 11:24	1	200-368922-002.D	RTX-624 0.32(mm)
LCS 200-145426/3		07/24/2019 12:16	1	200-368922-003.D	RTX-624 0.32(mm)
ZZZZZ		07/24/2019 13:09	1		RTX-624 0.32(mm)
MB 200-145426/5		07/24/2019 14:01	1	200-368922-005.D	RTX-624 0.32(mm)
ZZZZZ		07/24/2019 14:54	4		RTX-624 0.32(mm)
ZZZZZ		07/24/2019 15:47	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2019 16:42	1		RTX-624 0.32(mm)
ZZZZZ		07/24/2019 17:34	20		RTX-624 0.32(mm)
ZZZZZ		07/24/2019 18:27	10		RTX-624 0.32(mm)
ZZZZZ		07/24/2019 19:19	9.97		RTX-624 0.32(mm)
ZZZZZ		07/24/2019 20:12	30.1		RTX-624 0.32(mm)
ZZZZZ		07/24/2019 21:04	30.4		RTX-624 0.32(mm)
200-49721-1		07/24/2019 21:57	10	200-368922-014.D	RTX-624 0.32(mm)
200-49721-2		07/24/2019 22:49	10	200-368922-015.D	RTX-624 0.32(mm)
200-49721-3		07/24/2019 23:42	10	200-368922-016.D	RTX-624 0.32(mm)
200-49721-4		07/25/2019 00:34	10	200-368922-017.D	RTX-624 0.32(mm)
ZZZZZ		07/25/2019 01:26	1		RTX-624 0.32(mm)
ZZZZZ		07/25/2019 02:19	1		RTX-624 0.32(mm)
ZZZZZ		07/25/2019 03:11	1		RTX-624 0.32(mm)
ZZZZZ		07/25/2019 04:03	1		RTX-624 0.32(mm)
ZZZZZ		07/25/2019 04:56	1		RTX-624 0.32(mm)
ZZZZZ		07/25/2019 05:49	1		RTX-624 0.32(mm)
ZZZZZ		07/25/2019 06:41	10		RTX-624 0.32(mm)
ZZZZZ		07/25/2019 07:34	10		RTX-624 0.32(mm)
ZZZZZ		07/25/2019 09:57	0.2		RTX-624 0.32(mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-49721-1

SDG No.:

Batch Number: 144428 Batch Start Date: 06/24/19 16:32 Batch Analyst: Desjardins, William R

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL1w 00203	ATTO15CAL2w 00278
BFB 200-144428/1		TO-15		1	1	200 mL	200 mL		
IC 200-144428/4		TO-15		1	1	200 mL	200 mL	35 mL	
IC 200-144428/5		TO-15		1	1	200 mL	200 mL	200 mL	
IC 200-144428/6		TO-15		1	1	200 mL	200 mL		200 mL
IC 200-144428/7		TO-15		1	1	200 mL	200 mL		
ICIS 200-144428/8		TO-15		1	1	200 mL	200 mL		
IC 200-144428/9		TO-15		1	1	200 mL	200 mL		
IC 200-144428/12		TO-15		1	1	200 mL	200 mL		
IC 200-144428/13		TO-15		1	1	200 mL	200 mL		
ICV 200-144428/16		TO-15		1	1	200 mL	200 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15CAL3w 00213	ATTO15CAL4w 00728	ATTO15CAL5w 00085	ATTO15CAL6w 00165	ATTO15CAL7w 00087	ATTO15GIS 00015
BFB 200-144428/1		TO-15							20 mL
IC 200-144428/4		TO-15							20 mL
IC 200-144428/5		TO-15							20 mL
IC 200-144428/6		TO-15							20 mL
IC 200-144428/7		TO-15		200 mL					20 mL
ICIS 200-144428/8		TO-15			200 mL				20 mL
IC 200-144428/9		TO-15				200 mL			20 mL
IC 200-144428/12		TO-15					200 mL		20 mL
IC 200-144428/13		TO-15						200 mL	20 mL
ICV 200-144428/16		TO-15							20 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00797					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-49721-1

SDG No.:

Batch Number: 144428 Batch Start Date: 06/24/19 16:32 Batch Analyst: Desjardins, William R

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00797					
BFB 200-144428/1		TO-15							
IC 200-144428/4		TO-15							
IC 200-144428/5		TO-15							
IC 200-144428/6		TO-15							
IC 200-144428/7		TO-15							
ICIS 200-144428/8		TO-15							
IC 200-144428/9		TO-15							
IC 200-144428/12		TO-15							
IC 200-144428/13		TO-15							
ICV 200-144428/16		TO-15		200 mm					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Burlingt Job No.: 200-49721-1

SDG No.:

Batch Number: 145426 Batch Start Date: 07/24/19 10:25 Batch Analyst: Puangmalee, Kesanee 1

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialPressure	FinalPressure	InitialAmount	FinalAmount	ATTO15CAL4w 00728	ATTO15GIS 00015
BFB 200-145426/1		TO-15		1	1	200 mL	200 mL		20 mL
CCVIS 200-145426/2		TO-15		1	1	200 mL	200 mL	200 mL	20 mL
LCS 200-145426/3		TO-15		1	1	200 mL	200 mL		20 mL
MB 200-145426/5		TO-15		1	1	200 mL	200 mL		20 mL
200-49721-A-1	SV-1	TO-15	T	1	1	20 mL	200 mL		20 mL
200-49721-A-2	SV-2	TO-15	T	1	1	20 mL	200 mL		20 mL
200-49721-A-3	SV-3	TO-15	T	1	1	20 mL	200 mL		20 mL
200-49721-A-4	SV-4	TO-15	T	1	1	20 mL	200 mL		20 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ATTO15LCSW 00797					
BFB 200-145426/1		TO-15							
CCVIS 200-145426/2		TO-15							
LCS 200-145426/3		TO-15		200 mL					
MB 200-145426/5		TO-15							
200-49721-A-1	SV-1	TO-15	T						
200-49721-A-2	SV-2	TO-15	T						
200-49721-A-3	SV-3	TO-15	T						
200-49721-A-4	SV-4	TO-15	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (℃)	Pressure Gauge ID	Analyst
200-49721	07/23/19	13:09	29.8	22.0	G17	SML

Sampling Information and Return Equipment Check	Yes	N o	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	Yes		
(2) Is the flow controller ID used for each canister recorded?	Yes		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		N o	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		N o	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
200-49721-A-1	6444	-6.1	N	4626	83/2	Y	6444-36556	
200-49721-A-2	3329	-6.8	N	6101	83/2	Y	6320-36036	
200-49721-A-3	6384	-5.9	N	4698	83/2	Y	3691-36646	
200-49721-A-4	4651	-3.4	N	5326	82/200	Y	3691-36646	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

ANALYTICAL REPORT

Lab Number:	L1941489
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Fuad Duhan
Phone:	(973) 808-9050
Project Name:	500 MAIN ST.
Project Number:	10637
Report Date:	10/18/19

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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: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941489-01	SB-27 (5-5.5)	SOIL	NEW ROCHELLE, NY	09/11/19 13:20	09/11/19
L1941489-02	SB-28 (5-5.5)	SOIL	NEW ROCHELLE, NY	09/11/19 13:45	09/11/19
L1941489-03	SB-29 (7-7.5)	SOIL	NEW ROCHELLE, NY	09/11/19 14:10	09/11/19
L1941489-04	SB-26 (7.5-8)	SOIL	NEW ROCHELLE, NY	09/11/19 13:00	09/11/19

Project Name:	500 MAIN ST.	**Lab Number:**	L1941489
Project Number:	10637	**Report Date:**	10/18/19

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: 500 MAIN ST. **Lab Number:** L1941489
Project Number: 10637 **Report Date:** 10/18/19

Case Narrative (continued)

Report Submission

October 18, 2019: This final report includes the results of all requested analyses.

September 18, 2019: This is a preliminary report.

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

Volatile Organics

L1941489-03 was analyzed as a High Level Methanol in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial Low Level analysis. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies. Further re-analysis could not be performed due to the existing vials being compromised.

Semivolatile Organics

The WG1283635-2 LCS recovery, associated with L1941489-01 through -04, is below the acceptance criteria for 2,4-dinitrophenol (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L1941489-01 through -04: 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.

Cyanide, Total

The WG1283245-3 LCSD recovery (70%), associated with L1941489-01 through -04, is 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: Caitlin Walukevich Caitlin Walukevich

Title: Technical Director/Representative Date: 10/18/19

ORGANICS

VOLATILES

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01
Client ID: SB-27 (5-5.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 21:48
Analyst: NLK
Percent Solids: 70%

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	0.31	1
trans-1,2-Dichloroethene	0.31	J	ug/kg	2.0	0.18	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01 Date Collected: 09/11/19 13:20

Client ID: SB-27 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	ND		ug/kg	2.6	0.23	1
Methyl tert butyl ether	0.94	J	ug/kg	2.6	0.26	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	0.31	J	ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	160		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	ND		ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01 Date Collected: 09/11/19 13:20

Client ID: SB-27 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02
Client ID: SB-28 (5-5.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:14
Analyst: NLK
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.16	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	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	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	0.36	J	ug/kg	1.5	0.14	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02 Date Collected: 09/11/19 13:45

Client ID: SB-28 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	0.50	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	0.83	J	ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	0.36	J	ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.91	1
Acetone	180		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	9.9	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	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	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	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	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	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02 Date Collected: 09/11/19 13:45

Client ID: SB-28 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	0.99	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	80	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	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	5.0	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	96		70-130

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03
Client ID: SB-29 (7-7.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 22:39
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	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	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	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	0.99	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	4.0	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	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	0.43	J	ug/kg	1.5	0.14	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03 Date Collected: 09/11/19 14:10

Client ID: SB-29 (7-7.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	0.49	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	0.80	J	ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	0.43	J	ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	420	E	ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	3.3	J	ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.9	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	0.99	0.28	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	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	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	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03 Date Collected: 09/11/19 14:10

Client ID: SB-29 (7-7.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	0.99	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	35.	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						
Total TIC Compounds	2.23	J	ug/kg			1
Unknown	2.23	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	95		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03 Date Collected: 09/11/19 14:10
Client ID: SB-29 (7-7.5) Date Received: 09/11/19
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 17:46
Analyst: NLK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	ND		ug/kg	54	7.9	1
Chloroform	ND		ug/kg	81	7.6	1
Carbon tetrachloride	ND		ug/kg	54	12.	1
1,2-Dichloropropane	ND		ug/kg	54	6.8	1
Dibromochloromethane	ND		ug/kg	54	7.6	1
1,1,2-Trichloroethane	ND		ug/kg	54	14.	1
Tetrachloroethene	ND		ug/kg	27	11.	1
Chlorobenzene	ND		ug/kg	27	6.9	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	54	14.	1
1,1,1-Trichloroethane	ND		ug/kg	27	9.1	1
Bromodichloromethane	ND		ug/kg	27	5.9	1
trans-1,3-Dichloropropene	ND		ug/kg	54	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.6	1
1,3-Dichloropropene, Total	ND		ug/kg	27	8.6	1
1,1-Dichloropropene	ND		ug/kg	27	8.6	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	9.0	1
Benzene	ND		ug/kg	27	9.0	1
Toluene	ND		ug/kg	54	29.	1
Ethylbenzene	ND		ug/kg	54	7.6	1
Chloromethane	ND		ug/kg	220	50.	1
Bromomethane	ND		ug/kg	110	32.	1
Vinyl chloride	ND		ug/kg	54	18.	1
Chloroethane	ND		ug/kg	110	24.	1
1,1-Dichloroethene	ND		ug/kg	54	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	81	7.4	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03 Date Collected: 09/11/19 14:10

Client ID: SB-29 (7-7.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	27	7.4	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.8	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.0	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.3	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	54	16.	1
Xylenes, Total	ND		ug/kg	54	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	54	9.5	1
1,2-Dichloroethene, Total	ND		ug/kg	54	7.4	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	54	11.	1
Dichlorodifluoromethane	ND		ug/kg	540	50.	1
Acetone	ND		ug/kg	540	260	1
Carbon disulfide	ND		ug/kg	540	250	1
2-Butanone	ND		ug/kg	540	120	1
Vinyl acetate	ND		ug/kg	540	120	1
4-Methyl-2-pentanone	ND		ug/kg	540	69.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.9	1
2-Hexanone	ND		ug/kg	540	64.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	54	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.2	1
Bromobenzene	ND		ug/kg	110	7.9	1
n-Butylbenzene	ND		ug/kg	54	9.1	1
sec-Butylbenzene	ND		ug/kg	54	7.9	1
tert-Butylbenzene	ND		ug/kg	110	6.4	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	54.	1
Hexachlorobutadiene	ND		ug/kg	220	9.2	1
Isopropylbenzene	ND		ug/kg	54	5.9	1
p-Isopropyltoluene	ND		ug/kg	54	5.9	1
Naphthalene	ND		ug/kg	220	35.	1
Acrylonitrile	ND		ug/kg	220	62.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03 Date Collected: 09/11/19 14:10

Client ID: SB-29 (7-7.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	54	9.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4300	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.6	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	77.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	92		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04 Date Collected: 09/11/19 13:00
Client ID: SB-26 (7.5-8) Date Received: 09/11/19
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/19 23:04
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	4.9	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	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	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	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	0.99	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	4.0	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	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	0.57	J	ug/kg	1.5	0.14	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04 Date Collected: 09/11/19 13:00

Client ID: SB-26 (7.5-8) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	0.49	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	0.90	J	ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	0.57	J	ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	210		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.9	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	0.99	0.28	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	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	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	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04 Date Collected: 09/11/19 13:00

Client ID: SB-26 (7.5-8) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	0.99	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	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	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	88		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	95		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 19:41
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1285038-5					
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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 19:41
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1285038-5					
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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 19:41
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1285038-5					
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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/19 19:41
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-04 Batch: WG1285038-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	91		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1285570-5					
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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1285570-5					
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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1285570-5					
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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 03 Batch: WG1285570-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1285038-3 WG1285038-4								
Methylene chloride	92		94		70-130	2		30
1,1-Dichloroethane	88		88		70-130	0		30
Chloroform	97		97		70-130	0		30
Carbon tetrachloride	87		89		70-130	2		30
1,2-Dichloropropane	94		93		70-130	1		30
Dibromochloromethane	90		91		70-130	1		30
1,1,2-Trichloroethane	92		92		70-130	0		30
Tetrachloroethene	95		94		70-130	1		30
Chlorobenzene	90		90		70-130	0		30
Trichlorofluoromethane	76		76		70-139	0		30
1,2-Dichloroethane	90		91		70-130	1		30
1,1,1-Trichloroethane	88		88		70-130	0		30
Bromodichloromethane	90		90		70-130	0		30
trans-1,3-Dichloropropene	90		90		70-130	0		30
cis-1,3-Dichloropropene	96		96		70-130	0		30
1,1-Dichloropropene	90		91		70-130	1		30
Bromoform	92		93		70-130	1		30
1,1,2,2-Tetrachloroethane	86		87		70-130	1		30
Benzene	93		94		70-130	1		30
Toluene	91		91		70-130	0		30
Ethylbenzene	91		92		70-130	1		30
Chloromethane	84		82		52-130	2		30
Bromomethane	86		85		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1285038-3 WG1285038-4								
Vinyl chloride	74		74		67-130	0		30
Chloroethane	81		81		50-151	0		30
1,1-Dichloroethene	86		86		65-135	0		30
trans-1,2-Dichloroethene	92		91		70-130	1		30
Trichloroethene	91		92		70-130	1		30
1,2-Dichlorobenzene	92		92		70-130	0		30
1,3-Dichlorobenzene	94		93		70-130	1		30
1,4-Dichlorobenzene	96		97		70-130	1		30
Methyl tert butyl ether	87		88		66-130	1		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	94		94		70-130	0		30
cis-1,2-Dichloroethene	93		93		70-130	0		30
Dibromomethane	92		94		70-130	2		30
Styrene	96		98		70-130	2		30
Dichlorodifluoromethane	70		69		30-146	1		30
Acetone	91		86		54-140	6		30
Carbon disulfide	86		86		59-130	0		30
2-Butanone	71		73		70-130	3		30
Vinyl acetate	83		85		70-130	2		30
4-Methyl-2-pentanone	96		94		70-130	2		30
1,2,3-Trichloropropane	82		85		68-130	4		30
2-Hexanone	88		90		70-130	2		30
Bromochloromethane	95		95		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1285038-3 WG1285038-4								
2,2-Dichloropropane	88		87		70-130	1		30
1,2-Dibromoethane	93		94		70-130	1		30
1,3-Dichloropropane	89		89		69-130	0		30
1,1,1,2-Tetrachloroethane	92		92		70-130	0		30
Bromobenzene	91		92		70-130	1		30
n-Butylbenzene	89		89		70-130	0		30
sec-Butylbenzene	88		88		70-130	0		30
tert-Butylbenzene	89		89		70-130	0		30
o-Chlorotoluene	97		97		70-130	0		30
p-Chlorotoluene	89		89		70-130	0		30
1,2-Dibromo-3-chloropropane	94		93		68-130	1		30
Hexachlorobutadiene	94		95		67-130	1		30
Isopropylbenzene	88		88		70-130	0		30
p-Isopropyltoluene	91		91		70-130	0		30
Naphthalene	91		94		70-130	3		30
Acrylonitrile	90		92		70-130	2		30
n-Propylbenzene	89		88		70-130	1		30
1,2,3-Trichlorobenzene	98		99		70-130	1		30
1,2,4-Trichlorobenzene	100		100		70-130	0		30
1,3,5-Trimethylbenzene	90		90		70-130	0		30
1,2,4-Trimethylbenzene	91		91		70-130	0		30
1,4-Dioxane	95		95		65-136	0		30
p-Diethylbenzene	93		93		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-04 Batch: WG1285038-3 WG1285038-4								
p-Ethyltoluene	91		91		70-130	0		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Ethyl ether	86		87		67-130	1		30
trans-1,4-Dichloro-2-butene	76		82		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		87		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1285570-3 WG1285570-4								
Methylene chloride	96		95		70-130	1		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	94		91		70-130	3		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	93		93		70-130	0		30
Trichlorofluoromethane	82		82		70-139	0		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	93		93		70-130	0		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	90		86		70-130	5		30
Benzene	97		95		70-130	2		30
Toluene	93		92		70-130	1		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	90		89		52-130	1		30
Bromomethane	87		87		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1285570-3 WG1285570-4								
Vinyl chloride	81		78		67-130	4		30
Chloroethane	81		82		50-151	1		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	95		95		70-130	0		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	93		90		66-130	3		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	96		96		70-130	0		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	98		98		70-130	0		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	82		81		30-146	1		30
Acetone	96		88		54-140	9		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	77		75		70-130	3		30
Vinyl acetate	88		84		70-130	5		30
4-Methyl-2-pentanone	101		96		70-130	5		30
1,2,3-Trichloropropane	87		84		68-130	4		30
2-Hexanone	90		88		70-130	2		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1285570-3 WG1285570-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	97		94		70-130	3		30
1,3-Dichloropropane	92		90		69-130	2		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	90		91		70-130	1		30
sec-Butylbenzene	90		90		70-130	0		30
tert-Butylbenzene	92		91		70-130	1		30
o-Chlorotoluene	99		93		70-130	6		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	100		96		68-130	4		30
Hexachlorobutadiene	95		96		67-130	1		30
Isopropylbenzene	90		90		70-130	0		30
p-Isopropyltoluene	93		93		70-130	0		30
Naphthalene	97		92		70-130	5		30
Acrylonitrile	101		97		70-130	4		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	101		98		70-130	3		30
1,2,4-Trichlorobenzene	103		100		70-130	3		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	102		95		65-136	7		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 03 Batch: WG1285570-3 WG1285570-4								
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	89		88		67-130	1		30
trans-1,4-Dichloro-2-butene	85		82		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01
Client ID: SB-27 (5-5.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:25
Analyst: CB
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 19:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	24.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	27.	1
Hexachlorobenzene	ND		ug/kg	140	26.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	32.	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	41.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	62.	1
2,4-Dinitrotoluene	ND		ug/kg	230	47.	1
2,6-Dinitrotoluene	ND		ug/kg	230	40.	1
Fluoranthene	80	J	ug/kg	140	27.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	25.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	36.	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	670	210	1
Hexachloroethane	ND		ug/kg	190	38.	1
Isophorone	ND		ug/kg	210	30.	1
Naphthalene	ND		ug/kg	230	28.	1
Nitrobenzene	ND		ug/kg	210	35.	1
NDPA/DPA	ND		ug/kg	190	27.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	36.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	81.	1
Butyl benzyl phthalate	ND		ug/kg	230	59.	1
Di-n-butylphthalate	ND		ug/kg	230	44.	1
Di-n-octylphthalate	ND		ug/kg	230	80.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01 Date Collected: 09/11/19 13:20
Client ID: SB-27 (5-5.5) Date Received: 09/11/19
Sample Location: NEW ROCHELLE, 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	230	22.	1
Dimethyl phthalate	ND		ug/kg	230	49.	1
Benzo(a)anthracene	59	J	ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	190	57.	1
Benzo(b)fluoranthene	70	J	ug/kg	140	39.	1
Benzo(k)fluoranthene	ND		ug/kg	140	37.	1
Chrysene	48	J	ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	190	36.	1
Anthracene	ND		ug/kg	140	46.	1
Benzo(ghi)perylene	31	J	ug/kg	190	28.	1
Fluorene	ND		ug/kg	230	23.	1
Phenanthrene	73	J	ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	38	J	ug/kg	190	32.	1
Pyrene	70	J	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	97.	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	35.	1
2-Chlorophenol	ND		ug/kg	230	28.	1
2,4-Dichlorophenol	ND		ug/kg	210	38.	1
2,4-Dimethylphenol	ND		ug/kg	230	77.	1
2-Nitrophenol	ND		ug/kg	500	88.	1
4-Nitrophenol	ND		ug/kg	330	95.	1
2,4-Dinitrophenol	ND		ug/kg	1100	110	1
4,6-Dinitro-o-cresol	ND		ug/kg	610	110	1
Pentachlorophenol	ND		ug/kg	190	51.	1
Phenol	ND		ug/kg	230	35.	1
2-Methylphenol	ND		ug/kg	230	36.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	340	37.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01 Date Collected: 09/11/19 13:20

Client ID: SB-27 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	45.	1
Benzoic Acid	ND		ug/kg	760	240	1
Benzyl Alcohol	ND		ug/kg	230	72.	1
Carbazole	ND		ug/kg	230	23.	1
1,4-Dioxane	ND		ug/kg	35	11.	1
Tentatively Identified Compounds						
Total TIC Compounds	12600	J	ug/kg			1
Unknown	270	J	ug/kg			1
Unknown	1520	J	ug/kg			1
Unknown	3120	J	ug/kg			1
Unknown	6240	J	ug/kg			1
Unknown	1170	J	ug/kg			1
Unknown Organic Acid	282	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	49		18-120

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02
Client ID: SB-28 (5-5.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 19:48
Analyst: CB
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 19:21

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	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	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	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	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	39.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02 Date Collected: 09/11/19 13:45

Client ID: SB-28 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	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	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	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	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	76.	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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02 Date Collected: 09/11/19 13:45

Client ID: SB-28 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	51		18-120

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03
Client ID: SB-29 (7-7.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 20:11
Analyst: CB
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 19:21

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	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	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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03 Date Collected: 09/11/19 14:10

Client ID: SB-29 (7-7.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	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	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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03 Date Collected: 09/11/19 14:10

Client ID: SB-29 (7-7.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	75		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	59		18-120

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04
Client ID: SB-26 (7.5-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/17/19 20:33
Analyst: CB
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 19:21

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	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04 Date Collected: 09/11/19 13:00

Client ID: SB-26 (7.5-8) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	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	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04 Date Collected: 09/11/19 13:00

Client ID: SB-26 (7.5-8) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	58		18-120

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/13/19 18:09
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 09/13/19 05:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1283635-1					
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	29.
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	57.
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: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/13/19 18:09
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 09/13/19 05:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1283635-1					
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	16.
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	62.

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/13/19 18:09
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 09/13/19 05:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1283635-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
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	78		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	80		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1283635-2 WG1283635-3								
Acenaphthene	88		86		31-137	2		50
1,2,4-Trichlorobenzene	81		80		38-107	1		50
Hexachlorobenzene	85		86		40-140	1		50
Bis(2-chloroethyl)ether	70		69		40-140	1		50
2-Chloronaphthalene	89		89		40-140	0		50
1,2-Dichlorobenzene	74		72		40-140	3		50
1,3-Dichlorobenzene	73		74		40-140	1		50
1,4-Dichlorobenzene	73		71		28-104	3		50
3,3'-Dichlorobenzidine	82		84		40-140	2		50
2,4-Dinitrotoluene	90		88		40-132	2		50
2,6-Dinitrotoluene	91		92		40-140	1		50
Fluoranthene	83		87		40-140	5		50
4-Chlorophenyl phenyl ether	91		88		40-140	3		50
4-Bromophenyl phenyl ether	91		90		40-140	1		50
Bis(2-chloroisopropyl)ether	59		60		40-140	2		50
Bis(2-chloroethoxy)methane	78		77		40-117	1		50
Hexachlorobutadiene	81		83		40-140	2		50
Hexachlorocyclopentadiene	**21**	Q	**21**	Q	40-140	0		50
Hexachloroethane	63		61		40-140	3		50
Isophorone	85		82		40-140	4		50
Naphthalene	80		79		40-140	1		50
Nitrobenzene	89		87		40-140	2		50
NDPA/DPA	92		91		36-157	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1283635-2 WG1283635-3								
n-Nitrosodi-n-propylamine	84		82		32-121	2		50
Bis(2-ethylhexyl)phthalate	104		105		40-140	1		50
Butyl benzyl phthalate	91		94		40-140	3		50
Di-n-butylphthalate	87		91		40-140	4		50
Di-n-octylphthalate	103		103		40-140	0		50
Diethyl phthalate	92		94		40-140	2		50
Dimethyl phthalate	92		95		40-140	3		50
Benzo(a)anthracene	91		91		40-140	0		50
Benzo(a)pyrene	84		84		40-140	0		50
Benzo(b)fluoranthene	92		94		40-140	2		50
Benzo(k)fluoranthene	84		82		40-140	2		50
Chrysene	86		87		40-140	1		50
Acenaphthylene	91		92		40-140	1		50
Anthracene	84		87		40-140	4		50
Benzo(ghi)perylene	90		92		40-140	2		50
Fluorene	93		92		40-140	1		50
Phenanthrene	82		84		40-140	2		50
Dibenzo(a,h)anthracene	87		91		40-140	4		50
Indeno(1,2,3-cd)pyrene	91		93		40-140	2		50
Pyrene	82		84		35-142	2		50
Biphenyl	92		91		37-127	1		50
4-Chloroaniline	81		77		40-140	5		50
2-Nitroaniline	121		127		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1283635-2 WG1283635-3								
3-Nitroaniline	114		110		26-129	4		50
4-Nitroaniline	116		109		41-125	6		50
Dibenzofuran	92		89		40-140	3		50
2-Methylnaphthalene	87		86		40-140	1		50
1,2,4,5-Tetrachlorobenzene	88		84		40-117	5		50
Acetophenone	84		83		14-144	1		50
2,4,6-Trichlorophenol	99		100		30-130	1		50
p-Chloro-m-cresol	**104**	Q	101		26-103	3		50
2-Chlorophenol	85		81		25-102	5		50
2,4-Dichlorophenol	95		96		30-130	1		50
2,4-Dimethylphenol	102		99		30-130	3		50
2-Nitrophenol	71		70		30-130	1		50
4-Nitrophenol	112		110		11-114	2		50
2,4-Dinitrophenol	**0**	Q	17		4-130	NC		50
4,6-Dinitro-o-cresol	11		12		10-130	9		50
Pentachlorophenol	98		94		17-109	4		50
Phenol	81		80		26-90	1		50
2-Methylphenol	88		85		30-130.	3		50
3-Methylphenol/4-Methylphenol	83		85		30-130	2		50
2,4,5-Trichlorophenol	104		106		30-130	2		50
Benzoic Acid	60		59		10-110	2		50
Benzyl Alcohol	94		90		40-140	4		50
Carbazole	84		87		54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1283635-2 WG1283635-3								
1,4-Dioxane	49		49		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		73		25-120
Phenol-d6	82		78		10-120
Nitrobenzene-d5	90		86		23-120
2-Fluorobiphenyl	85		84		30-120
2,4,6-Tribromophenol	96		93		10-136
4-Terphenyl-d14	75		76		18-120

PCBS

Project Name: 500 MAIN ST.
Lab Number: L1941489
Project Number: 10637
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01
Client ID: SB-27 (5-5.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:28
Analyst: AWS
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 18:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.8	4.06	1	A
Aroclor 1221	ND		ug/kg	45.8	4.58	1	A
Aroclor 1232	ND		ug/kg	45.8	9.70	1	A
Aroclor 1242	ND		ug/kg	45.8	6.17	1	A
Aroclor 1248	ND		ug/kg	45.8	6.86	1	A
Aroclor 1254	ND		ug/kg	45.8	5.00	1	A
Aroclor 1260	ND		ug/kg	45.8	8.45	1	A
Aroclor 1262	ND		ug/kg	45.8	5.81	1	A
Aroclor 1268	ND		ug/kg	45.8	4.74	1	A
PCBs, Total	ND		ug/kg	45.8	4.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 500 MAIN ST.
Lab Number: L1941489
Project Number: 10637
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02
Client ID: SB-28 (5-5.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 12:40
Analyst: AWS
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 18:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.3	3.67	1	A
Aroclor 1221	ND		ug/kg	41.3	4.14	1	A
Aroclor 1232	ND		ug/kg	41.3	8.76	1	A
Aroclor 1242	ND		ug/kg	41.3	5.57	1	A
Aroclor 1248	ND		ug/kg	41.3	6.20	1	A
Aroclor 1254	ND		ug/kg	41.3	4.52	1	A
Aroclor 1260	ND		ug/kg	41.3	7.63	1	A
Aroclor 1262	ND		ug/kg	41.3	5.25	1	A
Aroclor 1268	ND		ug/kg	41.3	4.28	1	A
PCBs, Total	ND		ug/kg	41.3	3.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 500 MAIN ST.
Lab Number: L1941489
Project Number: 10637
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03
Client ID: SB-29 (7-7.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:46
Analyst: AWS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 18:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	3.22	1	A
Aroclor 1221	ND		ug/kg	36.3	3.64	1	A
Aroclor 1232	ND		ug/kg	36.3	7.69	1	A
Aroclor 1242	ND		ug/kg	36.3	4.89	1	A
Aroclor 1248	ND		ug/kg	36.3	5.44	1	A
Aroclor 1254	ND		ug/kg	36.3	3.97	1	A
Aroclor 1260	ND		ug/kg	36.3	6.70	1	A
Aroclor 1262	ND		ug/kg	36.3	4.61	1	A
Aroclor 1268	ND		ug/kg	36.3	3.76	1	A
PCBs, Total	ND		ug/kg	36.3	3.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 500 MAIN ST.
Lab Number: L1941489
Project Number: 10637
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04
Client ID: SB-26 (7.5-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/14/19 13:59
Analyst: AWS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 18:06
Cleanup Method: EPA 3665A
Cleanup Date: 09/14/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.2	3.40	1	A
Aroclor 1221	ND		ug/kg	38.2	3.83	1	A
Aroclor 1232	ND		ug/kg	38.2	8.10	1	A
Aroclor 1242	ND		ug/kg	38.2	5.15	1	A
Aroclor 1248	ND		ug/kg	38.2	5.73	1	A
Aroclor 1254	ND		ug/kg	38.2	4.18	1	A
Aroclor 1260	ND		ug/kg	38.2	7.06	1	A
Aroclor 1262	ND		ug/kg	38.2	4.86	1	A
Aroclor 1268	ND		ug/kg	38.2	3.96	1	A
PCBs, Total	ND		ug/kg	38.2	3.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	**29**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	32		30-150	B

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/13/19 23:22
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 09/13/19 13:37
Cleanup Method: EPA 3665A
Cleanup Date: 09/13/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/13/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG1283890-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.22	A
Aroclor 1232	ND		ug/kg	32.2	6.82	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.83	A
Aroclor 1254	ND		ug/kg	32.2	3.52	A
Aroclor 1260	ND		ug/kg	32.2	5.94	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.33	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	59		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1283890-2 WG1283890-3									
Aroclor 1016	76		82		40-140	8		50	A
Aroclor 1260	76		85		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		69		30-150	A
Decachlorobiphenyl	65		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		69		30-150	B
Decachlorobiphenyl	64		69		30-150	B

PESTICIDES

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01
Client ID: SB-27 (5-5.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:20
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 00:25
Analyst: AMC
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 22:01
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.20	0.431	1	A
Lindane	ND		ug/kg	0.917	0.410	1	A
Alpha-BHC	ND		ug/kg	0.917	0.260	1	A
Beta-BHC	ND		ug/kg	2.20	0.835	1	A
Heptachlor	ND		ug/kg	1.10	0.494	1	A
Aldrin	ND		ug/kg	2.20	0.775	1	A
Heptachlor epoxide	ND		ug/kg	4.13	1.24	1	A
Endrin	ND		ug/kg	0.917	0.376	1	A
Endrin aldehyde	ND		ug/kg	2.75	0.963	1	A
Endrin ketone	ND		ug/kg	2.20	0.567	1	A
Dieldrin	ND		ug/kg	1.38	0.688	1	A
4,4'-DDE	ND		ug/kg	2.20	0.509	1	A
4,4'-DDD	ND		ug/kg	2.20	0.785	1	A
4,4'-DDT	ND		ug/kg	4.13	1.77	1	A
Endosulfan I	ND		ug/kg	2.20	0.520	1	A
Endosulfan II	ND		ug/kg	2.20	0.736	1	A
Endosulfan sulfate	ND		ug/kg	0.917	0.437	1	A
Methoxychlor	ND		ug/kg	4.13	1.28	1	A
Toxaphene	ND		ug/kg	41.3	11.6	1	A
cis-Chlordane	ND		ug/kg	2.75	0.767	1	A
trans-Chlordane	ND		ug/kg	2.75	0.726	1	A
Chlordane	ND		ug/kg	17.9	7.29	1	A

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01 Date Collected: 09/11/19 13:20

Client ID: SB-27 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	39		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	30		30-150	A

Project Name: 500 MAIN ST.
Lab Number: L1941489
Project Number: 10637
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02
Client ID: SB-28 (5-5.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:45
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 00:38
Analyst: AMC
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 22:01
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

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	0.230	1	A
Beta-BHC	ND		ug/kg	1.94	0.736	1	A
Heptachlor	ND		ug/kg	0.970	0.435	1	A
Aldrin	ND		ug/kg	1.94	0.683	1	A
Heptachlor epoxide	ND		ug/kg	3.64	1.09	1	A
Endrin	ND		ug/kg	0.808	0.332	1	A
Endrin aldehyde	ND		ug/kg	2.42	0.849	1	A
Endrin ketone	ND		ug/kg	1.94	0.500	1	A
Dieldrin	ND		ug/kg	1.21	0.606	1	A
4,4'-DDE	ND		ug/kg	1.94	0.449	1	A
4,4'-DDD	ND		ug/kg	1.94	0.692	1	A
4,4'-DDT	ND		ug/kg	3.64	1.56	1	A
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	0.385	1	A
Methoxychlor	ND		ug/kg	3.64	1.13	1	A
Toxaphene	ND		ug/kg	36.4	10.2	1	A
cis-Chlordane	ND		ug/kg	2.42	0.676	1	A
trans-Chlordane	ND		ug/kg	2.42	0.640	1	A
Chlordane	ND		ug/kg	15.8	6.43	1	A

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02 Date Collected: 09/11/19 13:45

Client ID: SB-28 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	128		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03
Client ID: SB-29 (7-7.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:10
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 00:51
Analyst: AMC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 22:01
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.338	1	A
Lindane	ND		ug/kg	0.719	0.321	1	A
Alpha-BHC	ND		ug/kg	0.719	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.654	1	A
Heptachlor	ND		ug/kg	0.862	0.387	1	A
Aldrin	ND		ug/kg	1.72	0.607	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.970	1	A
Endrin	ND		ug/kg	0.719	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.755	1	A
Endrin ketone	ND		ug/kg	1.72	0.444	1	A
Dieldrin	ND		ug/kg	1.08	0.539	1	A
4,4'-DDE	ND		ug/kg	1.72	0.399	1	A
4,4'-DDD	ND		ug/kg	1.72	0.615	1	A
4,4'-DDT	ND		ug/kg	3.23	1.39	1	A
Endosulfan I	ND		ug/kg	1.72	0.408	1	A
Endosulfan II	ND		ug/kg	1.72	0.576	1	A
Endosulfan sulfate	ND		ug/kg	0.719	0.342	1	A
Methoxychlor	ND		ug/kg	3.23	1.01	1	A
Toxaphene	ND		ug/kg	32.3	9.06	1	A
cis-Chlordane	ND		ug/kg	2.16	0.601	1	A
trans-Chlordane	ND		ug/kg	2.16	0.569	1	A
Chlordane	ND		ug/kg	14.0	5.71	1	A

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03 Date Collected: 09/11/19 14:10

Client ID: SB-29 (7-7.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	131		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	80		30-150	A

Project Name: 500 MAIN ST.
Lab Number: L1941489
Project Number: 10637
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04
Client ID: SB-26 (7.5-8)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/18/19 01:03
Analyst: AMC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/13/19 22:01
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.881	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.991	1	A
Endrin	ND		ug/kg	0.734	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.770	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.628	1	A
4,4'-DDT	ND		ug/kg	3.30	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.588	1	A
Endosulfan sulfate	ND		ug/kg	0.734	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.25	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.581	1	A
Chlordane	ND		ug/kg	14.3	5.83	1	A

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04 Date Collected: 09/11/19 13:00

Client ID: SB-26 (7.5-8) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	94		30-150	B
Decachlorobiphenyl	130		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/17/19 23:48
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/13/19 22:01
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1284039-1						
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: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/17/19 23:48
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/13/19 22:01
Cleanup Method: EPA 3620B
Cleanup Date: 09/14/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG1284039-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	133		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	80		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1284039-2 WG1284039-3									
Delta-BHC	107		107		30-150	0		30	A
Lindane	108		106		30-150	2		30	A
Alpha-BHC	109		108		30-150	1		30	A
Beta-BHC	100		101		30-150	1		30	A
Heptachlor	85		86		30-150	1		30	A
Aldrin	95		94		30-150	1		30	A
Heptachlor epoxide	107		106		30-150	1		30	A
Endrin	110		110		30-150	0		30	A
Endrin aldehyde	88		91		30-150	3		30	A
Endrin ketone	111		113		30-150	2		30	A
Dieldrin	108		108		30-150	0		30	A
4,4'-DDE	98		97		30-150	1		30	A
4,4'-DDD	107		108		30-150	1		30	A
4,4'-DDT	114		114		30-150	0		30	A
Endosulfan I	94		93		30-150	1		30	A
Endosulfan II	105		105		30-150	0		30	A
Endosulfan sulfate	86		91		30-150	6		30	A
Methoxychlor	97		101		30-150	4		30	A
cis-Chlordane	85		87		30-150	2		30	A
trans-Chlordane	106		96		30-150	10		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG1284039-2 WG1284039-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		92		30-150	B
Decachlorobiphenyl	125		124		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		81		30-150	A
Decachlorobiphenyl	81		66		30-150	A

METALS

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01 Date Collected: 09/11/19 13:20

Client ID: SB-27 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10500		mg/kg	11.1	3.01	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Antimony, Total	3.20	J	mg/kg	5.57	0.424	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Arsenic, Total	8.30		mg/kg	1.11	0.232	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Barium, Total	93.7		mg/kg	1.11	0.194	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Beryllium, Total	0.156	J	mg/kg	0.557	0.037	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Cadmium, Total	0.368	J	mg/kg	1.11	0.109	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Calcium, Total	2060		mg/kg	11.1	3.90	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Chromium, Total	31.3		mg/kg	1.11	0.107	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Cobalt, Total	6.79		mg/kg	2.23	0.185	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Copper, Total	38.2		mg/kg	1.11	0.288	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Iron, Total	18700		mg/kg	5.57	1.01	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Lead, Total	231		mg/kg	5.57	0.299	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Magnesium, Total	2230		mg/kg	11.1	1.72	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Manganese, Total	110		mg/kg	1.11	0.177	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Mercury, Total	2.11		mg/kg	0.089	0.058	1	09/17/19 03:20	09/17/19 17:00	EPA 7471B	1,7471B	GD
Nickel, Total	14.0		mg/kg	2.79	0.270	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Potassium, Total	868		mg/kg	279	16.0	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Selenium, Total	2.81		mg/kg	2.23	0.288	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	1.11	0.315	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Sodium, Total	72.5	J	mg/kg	223	3.51	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	2.23	0.351	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Vanadium, Total	30.2		mg/kg	1.11	0.226	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB
Zinc, Total	95.7		mg/kg	5.57	0.326	2	09/16/19 17:35	09/17/19 17:48	EPA 3050B	1,6010D	AB

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02 Date Collected: 09/11/19 13:45

Client ID: SB-28 (5-5.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	12500		mg/kg	9.75	2.63	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.88	0.371	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Arsenic, Total	1.11		mg/kg	0.975	0.203	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Barium, Total	74.8		mg/kg	0.975	0.170	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.488	0.032	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Cadmium, Total	0.205	J	mg/kg	0.975	0.096	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Calcium, Total	671		mg/kg	9.75	3.41	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Chromium, Total	22.5		mg/kg	0.975	0.094	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Cobalt, Total	7.27		mg/kg	1.95	0.162	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Copper, Total	19.9		mg/kg	0.975	0.252	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Iron, Total	16500		mg/kg	4.88	0.881	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Lead, Total	4.57	J	mg/kg	4.88	0.261	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Magnesium, Total	2430		mg/kg	9.75	1.50	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Manganese, Total	528		mg/kg	0.975	0.155	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.078	0.051	1	09/17/19 03:20	09/17/19 17:02	EPA 7471B	1,7471B	GD
Nickel, Total	16.6		mg/kg	2.44	0.236	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Potassium, Total	2620		mg/kg	244	14.0	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.95	0.252	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.975	0.276	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Sodium, Total	124	J	mg/kg	195	3.07	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.95	0.307	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Vanadium, Total	27.7		mg/kg	0.975	0.198	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB
Zinc, Total	26.5		mg/kg	4.88	0.286	2	09/16/19 17:35	09/17/19 17:52	EPA 3050B	1,6010D	AB

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03 Date Collected: 09/11/19 14:10

Client ID: SB-29 (7-7.5) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	6520		mg/kg	8.72	2.36	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.36	0.332	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Arsenic, Total	1.33		mg/kg	0.872	0.181	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Barium, Total	40.0		mg/kg	0.872	0.152	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Beryllium, Total	0.035	J	mg/kg	0.436	0.029	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Cadmium, Total	0.218	J	mg/kg	0.872	0.086	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Calcium, Total	842		mg/kg	8.72	3.05	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Chromium, Total	12.4		mg/kg	0.872	0.084	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Cobalt, Total	5.76		mg/kg	1.74	0.145	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Copper, Total	12.5		mg/kg	0.872	0.225	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Iron, Total	13700		mg/kg	4.36	0.788	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Lead, Total	4.48		mg/kg	4.36	0.234	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Magnesium, Total	972		mg/kg	8.72	1.34	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Manganese, Total	375		mg/kg	0.872	0.139	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.072	0.047	1	09/17/19 03:20	09/17/19 17:04	EPA 7471B	1,7471B	GD
Nickel, Total	11.5		mg/kg	2.18	0.211	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Potassium, Total	1030		mg/kg	218	12.6	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.74	0.225	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.872	0.247	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Sodium, Total	59.4	J	mg/kg	174	2.75	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.74	0.275	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Vanadium, Total	18.9		mg/kg	0.872	0.177	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB
Zinc, Total	29.8		mg/kg	4.36	0.256	2	09/16/19 17:35	09/17/19 17:57	EPA 3050B	1,6010D	AB

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04 Date Collected: 09/11/19 13:00

Client ID: SB-26 (7.5-8) Date Received: 09/11/19

Sample Location: NEW ROCHELLE, 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	9520		mg/kg	9.04	2.44	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.52	0.344	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Arsenic, Total	0.651	J	mg/kg	0.904	0.188	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Barium, Total	53.7		mg/kg	0.904	0.157	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.452	0.030	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Cadmium, Total	0.145	J	mg/kg	0.904	0.089	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Calcium, Total	579		mg/kg	9.04	3.16	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Chromium, Total	15.3		mg/kg	0.904	0.087	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Cobalt, Total	5.76		mg/kg	1.81	0.150	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Copper, Total	9.69		mg/kg	0.904	0.233	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Iron, Total	12500		mg/kg	4.52	0.817	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Lead, Total	3.81	J	mg/kg	4.52	0.242	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Magnesium, Total	1760		mg/kg	9.04	1.39	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Manganese, Total	421		mg/kg	0.904	0.144	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.074	0.049	1	09/17/19 03:20	09/17/19 17:06	EPA 7471B	1,7471B	GD
Nickel, Total	12.3		mg/kg	2.26	0.219	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Potassium, Total	1850		mg/kg	226	13.0	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.81	0.233	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.904	0.256	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Sodium, Total	132	J	mg/kg	181	2.85	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.81	0.285	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Vanadium, Total	19.5		mg/kg	0.904	0.184	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB
Zinc, Total	19.9		mg/kg	4.52	0.265	2	09/16/19 17:35	09/17/19 18:01	EPA 3050B	1,6010D	AB

Project Name: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

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): 01-04 Batch: WG1284726-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Chromium, Total	0.040	J	mg/kg	0.400	0.038	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Iron, Total	0.480	J	mg/kg	2.00	0.361	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/16/19 17:35	09/17/19 17:34	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/16/19 17:35	09/17/19 15:55	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/16/19 17:35	09/17/19 15:55	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): 01-04 Batch: WG1284868-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/17/19 03:20	09/17/19 16:14	1,7471B	GD

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1284726-2 SRM Lot Number: D105-540								
Aluminum, Total	54		-		51-149	-		
Antimony, Total	136		-		19-249	-		
Arsenic, Total	90		-		70-130	-		
Barium, Total	76		-		75-125	-		
Beryllium, Total	79		-		75-125	-		
Cadmium, Total	90		-		75-125	-		
Calcium, Total	82		-		73-127	-		
Chromium, Total	75		-		70-130	-		
Cobalt, Total	86		-		75-125	-		
Copper, Total	76		-		75-125	-		
Iron, Total	63		-		38-162	-		
Lead, Total	82		-		71-128	-		
Magnesium, Total	69		-		63-137	-		
Manganese, Total	86		-		76-124	-		
Nickel, Total	84		-		70-131	-		
Potassium, Total	67		-		60-140	-		
Selenium, Total	88		-		63-137	-		
Silver, Total	80		-		69-131	-		
Sodium, Total	81		-		37-162	-		
Thallium, Total	88		-		68-132	-		
Vanadium, Total	75		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1284726-2 SRM Lot Number: D105-540					
Zinc, Total	85	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1284868-2 SRM Lot Number: D105-540					
Mercury, Total	81	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

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): 01-04 QC Batch ID: WG1284726-3 QC Sample: L1941472-07 Client ID: MS Sample												
Aluminum, Total	552	176	758	117		-	-		75-125	-		20
Antimony, Total	ND	44	43.3	98		-	-		75-125	-		20
Arsenic, Total	1.01	10.6	11.7	101		-	-		75-125	-		20
Barium, Total	4.46	176	174	96		-	-		75-125	-		20
Beryllium, Total	0.017J	4.4	4.19	95		-	-		75-125	-		20
Cadmium, Total	0.078J	4.49	4.32	96		-	-		75-125	-		20
Calcium, Total	314	880	1180	98		-	-		75-125	-		20
Chromium, Total	4.19	17.6	20.0	90		-	-		75-125	-		20
Cobalt, Total	0.424J	44	41.4	94		-	-		75-125	-		20
Copper, Total	5.95	22	23.0	78		-	-		75-125	-		20
Iron, Total	1380	88	1540	**182**	Q	-	-		75-125	-		20
Lead, Total	6.49	44.9	48.6	94		-	-		75-125	-		20
Magnesium, Total	197	880	946	85		-	-		75-125	-		20
Manganese, Total	230	44	99.2	**0**	Q	-	-		75-125	-		20
Nickel, Total	0.589J	44	40.1	91		-	-		75-125	-		20
Potassium, Total	103J	880	931	106		-	-		75-125	-		20
Selenium, Total	0.130J	10.6	10.7	101		-	-		75-125	-		20
Silver, Total	ND	26.4	25.2	95		-	-		75-125	-		20
Sodium, Total	3.54J	880	874	99		-	-		75-125	-		20
Thallium, Total	0.407J	10.6	9.74	92		-	-		75-125	-		20
Vanadium, Total	1.74	44	44.1	96		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

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): 01-04 QC Batch ID: WG1284726-3 QC Sample: L1941472-07 Client ID: MS Sample										
Zinc, Total	13.2	44	52.4	89		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1284868-3 QC Sample: L1941148-01 Client ID: MS Sample										
Mercury, Total	0.522	0.145	0.732	**145**	Q	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1284726-4 QC Sample: L1941472-07 Client ID: DUP Sample						
Arsenic, Total	1.01	0.946	mg/kg	7		20
Lead, Total	6.49	5.16	mg/kg	**23**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1284868-4 QC Sample: L1941148-01 Client ID: DUP Sample						
Mercury, Total	0.522	0.534	mg/kg	2		20

INORGANICS
&
MISCELLANEOUS

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-01
Client ID: SB-27 (5-5.5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/11/19 13:20
Date Received: 09/11/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.1		%	0.100	NA	1	-	09/12/19 08:21	121,2540G	RI
Cyanide, Total	0.59	J	mg/kg	1.4	0.30	1	09/12/19 12:30	09/12/19 14:44	1,9010C/9012B	LH

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-02
Client ID: SB-28 (5-5.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:45
Date Received: 09/11/19
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	80.1		%	0.100	NA	1	-	09/12/19 08:21	121,2540G	RI
Cyanide, Total	0.31	J	mg/kg	1.2	0.25	1	09/12/19 12:30	09/12/19 14:45	1,9010C/9012B	LH

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-03
Client ID: SB-29 (7-7.5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/11/19 14:10
Date Received: 09/11/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.5		%	0.100	NA	1	-	09/12/19 08:21	121,2540G	RI
Cyanide, Total	0.27	J	mg/kg	1.1	0.23	1	09/12/19 12:30	09/12/19 14:47	1,9010C/9012B	LH

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

SAMPLE RESULTS

Lab ID: L1941489-04
Client ID: SB-26 (7.5-8)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/11/19 13:00
Date Received: 09/11/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	09/12/19 08:21	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/12/19 12:30	09/12/19 14:50	1,9010C/9012B	LH

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

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): 01-04 Batch: WG1283245-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/12/19 12:30	09/12/19 14:37	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1283245-2 WG1283245-3								
Cyanide, Total	80		**70**	Q	80-120	13		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941489
Report Date: 10/18/19

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): 01-04 QC Batch ID: WG1283245-4 WG1283245-5 QC Sample: L1941578-03 Client ID: MS Sample												
Cyanide, Total	ND	10	9.8	98		10	97		75-125	2		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1283194-1 QC Sample: L1941506-01 Client ID: DUP Sample						
Solids, Total	88.3	87.4	%	1		20

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Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

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(*)***
L1941489-01A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-01B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-01C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-01D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L1941489-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	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),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L1941489-01F	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941489-01X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-01Y	Vial Water preserved split	A	NA		2.4	Y	Absent	12-SEP-19 12:38	NYTCL-8260HLW(14)
L1941489-01Z	Vial Water preserved split	A	NA		2.4	Y	Absent	12-SEP-19 12:38	NYTCL-8260HLW(14)
L1941489-02A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-02B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-02C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-02D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L1941489-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-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),FE-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941489-02F	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941489-02X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-02Y	Vial Water preserved split	A	NA		2.4	Y	Absent	12-SEP-19 12:38	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Serial_No:10181917:04

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941489
Report Date: 10/18/19

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1941489-02Z	Vial Water preserved split	A	NA		2.4	Y	Absent	12-SEP-19 12:38	NYTCL-8260HLW(14)
L1941489-03A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941489-03B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941489-03C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941489-03D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L1941489-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-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),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L1941489-03F	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1941489-03X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941489-03Y	Vial Water preserved split	A	NA		2.4	Y	Absent	12-SEP-19 12:38	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941489-03Z	Vial Water preserved split	A	NA		2.4	Y	Absent	12-SEP-19 12:38	NYTCL-8260H(14),NYTCL-8260HLW(14)
L1941489-04A	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-04B	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-04C	5 gram Encore Sampler	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-04D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L1941489-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L1941489-04F	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941489-04X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1941489-04Y	Vial Water preserved split	A	NA		2.4	Y	Absent	12-SEP-19 12:38	NYTCL-8260HLW(14)
L1941489-04Z	Vial Water preserved split	A	NA		2.4	Y	Absent	12-SEP-19 12:38	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name:	500 MAIN ST.	**Lab Number:**	L1941489
Project Number:	10637	**Report Date:**	10/18/19

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.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

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:	500 MAIN ST.	**Lab Number:**	L1941489
Project Number:	10637	**Report Date:**	10/18/19

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: 500 MAIN ST. **Lab Number:** L1941489

Project Number: 10637 **Report Date:** 10/18/19

REFERENCES

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: 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.

Serial_No:10181917:04

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

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

Page 1 of 1

Date Rec'd in Lab: 9/12/19

ALPHA Job #: L1941489

Client Information

Client: SESI
Address: 12A Maple Ave
Pine Brook NJ
Phone: 973-808-9050
Fax:
Email: fd@sesi.org / jam@sesi.org

Project Information

Project Name: 500 Main St.
Project Location: New Rochelle NY
Project #: 10637
(Use Project name as Project #) ☐
Project Manager: Fred D.
ALPHAQuote #:

Turn-Around Time

Standard ☑ 1 week Due Date:
Rush (only if pre approved) ☐ # of Days:

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.

Deliverables

☐ NJ Full / Reduced
☑ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other email excel

Regulatory Requirement

☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other NY Unrestricted

Billing Information

☑ Same as Client Info
PO # 10637 phase 1

Site Information

Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

ANALYSIS

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

Total Bottle

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP30/TAL
41489 -01	SB-27 (5-5.5)	9/11/19	1320	Soil	JS	X
-02	SB-28 (5-5.5)	9/11/19	1345		JS	
-03	SB-29 (7-7.5)	9/11/19	1410		JS	
-04	SB-26 (7.5-8)	9/11/19	1300		JS	

Container Type: G / P/E
Preservative:

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	9/11/19 1440	Craig Vogel QA	9/11/19 1440
Craig Vogel QA	9/11/19 1840		9/11/19 2005
	9/12/19 0205		9/12/19 02:20 02:05

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)

ANALYTICAL REPORT

Lab Number:	L1941891
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	500 MAIN ST.
Project Number:	10637
Report Date:	09/26/19

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: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941891-01	TW-3	WATER	NEW ROCHELLE, NY	09/11/19 14:30	09/12/19
L1941891-02	TW-4	WATER	NEW ROCHELLE, NY	09/12/19 09:20	09/12/19
L1941891-03	TW-5	WATER	NEW ROCHELLE, NY	09/12/19 10:30	09/12/19
L1941891-04	SB-26 (1.5-2)	SOIL	NEW ROCHELLE, NY	09/12/19 08:40	09/12/19
L1941891-05	SB-29 (2-2.5)	SOIL	NEW ROCHELLE, NY	09/12/19 09:00	09/12/19
L1941891-06	TB	WATER	NEW ROCHELLE, NY	09/10/19 00:00	09/12/19

Project Name:	500 MAIN ST.	**Lab Number:**	L1941891
Project Number:	10637	**Report Date:**	09/26/19

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: 500 MAIN ST. **Lab Number:** L1941891
Project Number: 10637 **Report Date:** 09/26/19

Case Narrative (continued)

Report Submission

September 26, 2019: This final report includes the results of all requested analyses.

September 19, 2019: This is a preliminary report.

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

Semivolatile Organics

The WG1285080-1 Method Blank, associated with L1941891-01 through -03, has TICs detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.

The WG1285080-2/-3 LCS/LCSD recoveries, associated with L1941891-01 through -03, 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.

PCBs

L1941891-03: The sample has elevated detection limits due to limited sample volume available for analysis.

Total Metals

L1941891-04 and -05: 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.

Cyanide, Total

The WG1283846-2/-3 LCS/LCSD recoveries (73%/67%), associated with L1941891-04 and -05, 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: 09/26/19

ORGANICS

VOLATILES

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01 Date Collected: 09/11/19 14:30
Client ID: TW-3 Date Received: 09/12/19
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/18/19 15:57
Analyst: PK

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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01 Date Collected: 09/11/19 14:30

Client ID: TW-3 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	9.7		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	ND		ug/l	2.5	0.70	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01 Date Collected: 09/11/19 14:30

Client ID: TW-3 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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						
Total TIC Compounds	6.59	J	ug/l			1
Unknown Alkene	1.84	J	ug/l			1
Propene	4.75	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	100		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02 Date Collected: 09/12/19 09:20
Client ID: TW-4 Date Received: 09/12/19
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/19/19 05:04
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02 Date Collected: 09/12/19 09:20

Client ID: TW-4 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	0.85	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	0.85	J	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	4.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.2	J	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	ND		ug/l	2.5	0.70	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02 Date Collected: 09/12/19 09:20

Client ID: TW-4 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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						
Total TIC Compounds	6.35	J	ug/l			1
Unknown	1.42	J	ug/l			1
Propene	4.93	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	99		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03 Date Collected: 09/12/19 10:30
Client ID: TW-5 Date Received: 09/12/19
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/19/19 05:39
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	3.7		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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03 Date Collected: 09/12/19 10:30

Client ID: TW-5 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	3.9	J	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	ND		ug/l	2.5	0.70	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03 Date Collected: 09/12/19 10:30

Client ID: TW-5 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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						
Total TIC Compounds	3.37	J	ug/l			1
Propene	3.37	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	102		70-130

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04
Client ID: SB-26 (1.5-2)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 08:40
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 12:17
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.90	0.13	1
Chloroform	0.17	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.90	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.90	0.11	1
Dibromochloromethane	ND		ug/kg	0.90	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	ND		ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.90	0.49	1
Ethylbenzene	ND		ug/kg	0.90	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.52	1
Vinyl chloride	ND		ug/kg	0.90	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.21	1
trans-1,2-Dichloroethene	0.17	J	ug/kg	1.3	0.12	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04 Date Collected: 09/12/19 08:40

Client ID: SB-26 (1.5-2) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	0.67	J	ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.90	0.26	1
Xylenes, Total	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	0.17	J	ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.82	1
Acetone	110		ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
Vinyl acetate	ND		ug/kg	9.0	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	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	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	ND		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04 Date Collected: 09/12/19 08:40

Client ID: SB-26 (1.5-2) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	0.90	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		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	4.5	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	11.3	J	ug/kg			1
Unknown Alkane	2.98	J	ug/kg			1
Unknown	2.36	J	ug/kg			1
Unknown	4.06	J	ug/kg			1
Unknown	1.91	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	106		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05 Date Collected: 09/12/19 09:00
Client ID: SB-29 (2-2.5) Date Received: 09/12/19
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 12:45
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.86	0.12	1
Chloroform	0.15	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.86	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.86	0.11	1
Dibromochloromethane	ND		ug/kg	0.86	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.86	0.23	1
Tetrachloroethene	ND		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.23	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.43	0.14	1
Bromoform	ND		ug/kg	3.4	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	0.14	1
Benzene	ND		ug/kg	0.43	0.14	1
Toluene	ND		ug/kg	0.86	0.46	1
Ethylbenzene	ND		ug/kg	0.86	0.12	1
Chloromethane	ND		ug/kg	3.4	0.80	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.86	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	0.21	J	ug/kg	1.3	0.12	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05 Date Collected: 09/12/19 09:00

Client ID: SB-29 (2-2.5) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	0.57	J	ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
Xylenes, Total	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	0.21	J	ug/kg	0.86	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.78	1
Acetone	180		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	2.2	J	ug/kg	8.6	1.9	1
Vinyl acetate	ND		ug/kg	8.6	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
Acrylonitrile	ND		ug/kg	3.4	0.99	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05 Date Collected: 09/12/19 09:00

Client ID: SB-29 (2-2.5) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	0.86	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
1,4-Dioxane	ND		ug/kg	69	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	18.6	J	ug/kg			1
Unknown	5.06	J	ug/kg			1
Unknown	2.28	J	ug/kg			1
Unknown Alkane	3.44	J	ug/kg			1
Unknown	3.59	J	ug/kg			1
Unknown	2.27	J	ug/kg			1
Unknown	1.95	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-06 Date Collected: 09/10/19 00:00
Client ID: TB Date Received: 09/12/19
Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/18/19 11:49
Analyst: PK

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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-06 Date Collected: 09/10/19 00:00

Client ID: TB Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	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	ND		ug/l	2.5	0.70	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-06 Date Collected: 09/10/19 00:00

Client ID: TB Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	94		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	97		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 21:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1285257-10					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 21:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1285257-10					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 21:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1285257-10					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 21:54
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1285257-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	100		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:45
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1285554-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.27	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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:45
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1285554-5					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:45
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1285554-5					
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			
Total TIC Compounds	8.31	J	ug/kg
Unknown	5.78	J	ug/kg
Unknown	2.53	J	ug/kg

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 07:45
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1285554-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 08:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1285576-5					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 08:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1285576-5					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 08:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1285576-5					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 08:30
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1285576-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	101		70-130

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 08:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1285585-5					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 08:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1285585-5					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 08:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1285585-5					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/19 08:45
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1285585-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1285257-8 WG1285257-9								
Methylene chloride	84		84		70-130	0		20
1,1-Dichloroethane	91		89		70-130	2		20
Chloroform	88		82		70-130	7		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	85		80		70-130	6		20
Dibromochloromethane	100		98		63-130	2		20
1,1,2-Trichloroethane	83		78		70-130	6		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	97		92		75-130	5		20
Trichlorofluoromethane	84		82		62-150	2		20
1,2-Dichloroethane	94		92		70-130	2		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	86		84		67-130	2		20
trans-1,3-Dichloropropene	82		75		70-130	9		20
cis-1,3-Dichloropropene	84		78		70-130	7		20
1,1-Dichloropropene	81		79		70-130	3		20
Bromoform	84		79		54-136	6		20
1,1,2,2-Tetrachloroethane	72		72		67-130	0		20
Benzene	76		73		70-130	4		20
Toluene	86		81		70-130	6		20
Ethylbenzene	89		85		70-130	5		20
Chloromethane	90		87		64-130	3		20
Bromomethane	44		43		39-139	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1285257-8 WG1285257-9								
Vinyl chloride	94		92		55-140	2		20
Chloroethane	87		86		55-138	1		20
1,1-Dichloroethene	94		90		61-145	4		20
trans-1,2-Dichloroethene	92		91		70-130	1		20
Trichloroethene	94		88		70-130	7		20
1,2-Dichlorobenzene	95		92		70-130	3		20
1,3-Dichlorobenzene	94		91		70-130	3		20
1,4-Dichlorobenzene	95		91		70-130	4		20
Methyl tert butyl ether	83		80		63-130	4		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	93		93		70-130	0		20
Dibromomethane	83		82		70-130	1		20
1,2,3-Trichloropropane	67		64		64-130	5		20
Acrylonitrile	100		100		70-130	0		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	78		80		36-147	3		20
Acetone	100		97		58-148	3		20
Carbon disulfide	69		69		51-130	0		20
2-Butanone	100		97		63-138	3		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	87		87		59-130	0		20
2-Hexanone	90		89		57-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1285257-8 WG1285257-9								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	94		91		70-130	3		20
1,3-Dichloropropane	78		75		70-130	4		20
1,1,1,2-Tetrachloroethane	120		110		64-130	9		20
Bromobenzene	92		90		70-130	2		20
n-Butylbenzene	80		77		53-136	4		20
sec-Butylbenzene	82		79		70-130	4		20
tert-Butylbenzene	94		91		70-130	3		20
o-Chlorotoluene	77		74		70-130	4		20
p-Chlorotoluene	78		74		70-130	5		20
1,2-Dibromo-3-chloropropane	91		95		41-144	4		20
Hexachlorobutadiene	84		86		63-130	2		20
Isopropylbenzene	82		79		70-130	4		20
p-Isopropyltoluene	96		95		70-130	1		20
Naphthalene	95		100		70-130	5		20
n-Propylbenzene	80		76		69-130	5		20
1,2,3-Trichlorobenzene	90		94		70-130	4		20
1,2,4-Trichlorobenzene	93		94		70-130	1		20
1,3,5-Trimethylbenzene	81		77		64-130	5		20
1,2,4-Trimethylbenzene	80		79		70-130	1		20
1,4-Dioxane	66		76		56-162	14		20
p-Diethylbenzene	96		93		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1285257-8 WG1285257-9								
p-Ethyltoluene	81		78		70-130	4		20
1,2,4,5-Tetramethylbenzene	99		96		70-130	3		20
Ethyl ether	74		74		59-134	0		20
trans-1,4-Dichloro-2-butene	74		**67**	Q	70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		91		70-130
Toluene-d8	95		92		70-130
4-Bromofluorobenzene	81		82		70-130
Dibromofluoromethane	96		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1285554-3 WG1285554-4								
Methylene chloride	83		83		70-130	0		30
1,1-Dichloroethane	86		86		70-130	0		30
Chloroform	82		82		70-130	0		30
Carbon tetrachloride	86		85		70-130	1		30
1,2-Dichloropropane	88		88		70-130	0		30
Dibromochloromethane	89		87		70-130	2		30
1,1,2-Trichloroethane	87		87		70-130	0		30
Tetrachloroethene	89		87		70-130	2		30
Chlorobenzene	87		86		70-130	1		30
Trichlorofluoromethane	87		87		70-139	0		30
1,2-Dichloroethane	87		87		70-130	0		30
1,1,1-Trichloroethane	85		85		70-130	0		30
Bromodichloromethane	88		88		70-130	0		30
trans-1,3-Dichloropropene	91		88		70-130	3		30
cis-1,3-Dichloropropene	93		92		70-130	1		30
1,1-Dichloropropene	86		85		70-130	1		30
Bromoform	88		88		70-130	0		30
1,1,2,2-Tetrachloroethane	86		89		70-130	3		30
Benzene	86		86		70-130	0		30
Toluene	84		84		70-130	0		30
Ethylbenzene	87		86		70-130	1		30
Chloromethane	88		86		52-130	2		30
Bromomethane	99		96		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1285554-3 WG1285554-4								
Vinyl chloride	85		84		67-130	1		30
Chloroethane	87		87		50-151	0		30
1,1-Dichloroethene	80		80		65-135	0		30
trans-1,2-Dichloroethene	87		86		70-130	1		30
Trichloroethene	87		87		70-130	0		30
1,2-Dichlorobenzene	86		88		70-130	2		30
1,3-Dichlorobenzene	88		88		70-130	0		30
1,4-Dichlorobenzene	87		87		70-130	0		30
Methyl tert butyl ether	90		88		66-130	2		30
p/m-Xylene	88		87		70-130	1		30
o-Xylene	89		88		70-130	1		30
cis-1,2-Dichloroethene	86		86		70-130	0		30
Dibromomethane	89		89		70-130	0		30
Styrene	87		85		70-130	2		30
Dichlorodifluoromethane	84		84		30-146	0		30
Acetone	105		91		54-140	14		30
Carbon disulfide	80		81		59-130	1		30
2-Butanone	95		90		70-130	5		30
Vinyl acetate	90		89		70-130	1		30
4-Methyl-2-pentanone	88		88		70-130	0		30
1,2,3-Trichloropropane	84		86		68-130	2		30
2-Hexanone	82		80		70-130	2		30
Bromochloromethane	91		91		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1285554-3 WG1285554-4								
2,2-Dichloropropane	89		89		70-130	0		30
1,2-Dibromoethane	88		89		70-130	1		30
1,3-Dichloropropane	88		87		69-130	1		30
1,1,1,2-Tetrachloroethane	90		88		70-130	2		30
Bromobenzene	85		87		70-130	2		30
n-Butylbenzene	88		90		70-130	2		30
sec-Butylbenzene	84		87		70-130	4		30
tert-Butylbenzene	86		88		70-130	2		30
o-Chlorotoluene	70		73		70-130	4		30
p-Chlorotoluene	85		88		70-130	3		30
1,2-Dibromo-3-chloropropane	80		83		68-130	4		30
Hexachlorobutadiene	87		88		67-130	1		30
Isopropylbenzene	86		87		70-130	1		30
p-Isopropyltoluene	89		90		70-130	1		30
Naphthalene	92		92		70-130	0		30
Acrylonitrile	91		89		70-130	2		30
n-Propylbenzene	85		86		70-130	1		30
1,2,3-Trichlorobenzene	91		90		70-130	1		30
1,2,4-Trichlorobenzene	95		94		70-130	1		30
1,3,5-Trimethylbenzene	86		87		70-130	1		30
1,2,4-Trimethylbenzene	87		88		70-130	1		30
1,4-Dioxane	97		98		65-136	1		30
p-Diethylbenzene	91		92		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1285554-3 WG1285554-4								
p-Ethyltoluene	86		88		70-130	2		30
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		30
Ethyl ether	93		92		67-130	1		30
trans-1,4-Dichloro-2-butene	86		80		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	101		103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1285576-3 WG1285576-4								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		94		70-130	6		20
Carbon tetrachloride	95		92		63-132	3		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	95		94		63-130	1		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	96		94		70-130	2		20
Chlorobenzene	93		92		75-130	1		20
Trichlorofluoromethane	96		92		62-150	4		20
1,2-Dichloroethane	94		96		70-130	2		20
1,1,1-Trichloroethane	92		90		67-130	2		20
Bromodichloromethane	96		94		67-130	2		20
trans-1,3-Dichloropropene	94		93		70-130	1		20
cis-1,3-Dichloropropene	92		92		70-130	0		20
1,1-Dichloropropene	94		93		70-130	1		20
Bromoform	94		99		54-136	5		20
1,1,2,2-Tetrachloroethane	96		99		67-130	3		20
Benzene	100		100		70-130	0		20
Toluene	96		94		70-130	2		20
Ethylbenzene	96		94		70-130	2		20
Chloromethane	130		120		64-130	8		20
Bromomethane	40		**37**	Q	39-139	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1285576-3 WG1285576-4								
Vinyl chloride	88		84		55-140	5		20
Chloroethane	77		73		55-138	5		20
1,1-Dichloroethene	99		99		61-145	0		20
trans-1,2-Dichloroethene	97		96		70-130	1		20
Trichloroethene	97		96		70-130	1		20
1,2-Dichlorobenzene	95		96		70-130	1		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	97		95		70-130	2		20
Methyl tert butyl ether	81		81		63-130	0		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	95		95		70-130	0		20
Dibromomethane	88		89		70-130	1		20
1,2,3-Trichloropropane	90		96		64-130	6		20
Acrylonitrile	110		110		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	140		130		36-147	7		20
Acetone	130		140		58-148	7		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	120		120		63-138	0		20
Vinyl acetate	130		130		70-130	0		20
4-Methyl-2-pentanone	86		92		59-130	7		20
2-Hexanone	87		89		57-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1285576-3 WG1285576-4								
Bromochloromethane	96		95		70-130	1		20
2,2-Dichloropropane	100		97		63-133	3		20
1,2-Dibromoethane	91		90		70-130	1		20
1,3-Dichloropropane	96		99		70-130	3		20
1,1,1,2-Tetrachloroethane	97		96		64-130	1		20
Bromobenzene	92		90		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	87		86		70-130	1		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	84		91		41-144	8		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	87		87		70-130	0		20
p-Isopropyltoluene	89		87		70-130	2		20
Naphthalene	77		81		70-130	5		20
n-Propylbenzene	93		94		69-130	1		20
1,2,3-Trichlorobenzene	89		92		70-130	3		20
1,2,4-Trichlorobenzene	91		90		70-130	1		20
1,3,5-Trimethylbenzene	89		88		64-130	1		20
1,2,4-Trimethylbenzene	88		88		70-130	0		20
1,4-Dioxane	82		78		56-162	5		20
p-Diethylbenzene	87		86		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1285576-3 WG1285576-4								
p-Ethyltoluene	90		90		70-130	0		20
1,2,4,5-Tetramethylbenzene	79		80		70-130	1		20
Ethyl ether	93		93		59-134	0		20
trans-1,4-Dichloro-2-butene	92		93		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	81		82		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1285585-3 WG1285585-4								
Methylene chloride	84		82		70-130	2		20
1,1-Dichloroethane	95		96		70-130	1		20
Chloroform	84		85		70-130	1		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	89		89		70-130	0		20
Dibromochloromethane	94		92		63-130	2		20
1,1,2-Trichloroethane	76		76		70-130	0		20
Tetrachloroethene	90		92		70-130	2		20
Chlorobenzene	87		87		75-130	0		20
Trichlorofluoromethane	84		86		62-150	2		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	96		98		67-130	2		20
Bromodichloromethane	82		83		67-130	1		20
trans-1,3-Dichloropropene	78		77		70-130	1		20
cis-1,3-Dichloropropene	88		85		70-130	3		20
1,1-Dichloropropene	82		83		70-130	1		20
Bromoform	82		81		54-136	1		20
1,1,2,2-Tetrachloroethane	75		72		67-130	4		20
Benzene	79		79		70-130	0		20
Toluene	84		83		70-130	1		20
Ethylbenzene	85		86		70-130	1		20
Chloromethane	91		93		64-130	2		20
Bromomethane	**38**	Q	39		39-139	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1285585-3 WG1285585-4								
Vinyl chloride	93		94		55-140	1		20
Chloroethane	91		89		55-138	2		20
1,1-Dichloroethene	86		90		61-145	5		20
trans-1,2-Dichloroethene	89		92		70-130	3		20
Trichloroethene	90		90		70-130	0		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	93		93		70-130	0		20
1,4-Dichlorobenzene	94		92		70-130	2		20
Methyl tert butyl ether	88		85		63-130	3		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	94		90		70-130	4		20
Dibromomethane	88		88		70-130	0		20
1,2,3-Trichloropropane	72		72		64-130	0		20
Acrylonitrile	110		110		70-130	0		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	80		81		36-147	1		20
Acetone	120		120		58-148	0		20
Carbon disulfide	68		71		51-130	4		20
2-Butanone	130		120		63-138	8		20
Vinyl acetate	120		120		70-130	0		20
4-Methyl-2-pentanone	86		84		59-130	2		20
2-Hexanone	96		100		57-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1285585-3 WG1285585-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	88		88		70-130	0		20
1,3-Dichloropropane	77		75		70-130	3		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	93		92		70-130	1		20
n-Butylbenzene	84		86		53-136	2		20
sec-Butylbenzene	86		88		70-130	2		20
tert-Butylbenzene	92		94		70-130	2		20
o-Chlorotoluene	82		82		70-130	0		20
p-Chlorotoluene	84		82		70-130	2		20
1,2-Dibromo-3-chloropropane	94		97		41-144	3		20
Hexachlorobutadiene	83		88		63-130	6		20
Isopropylbenzene	88		87		70-130	1		20
p-Isopropyltoluene	94		96		70-130	2		20
Naphthalene	96		100		70-130	4		20
n-Propylbenzene	84		85		69-130	1		20
1,2,3-Trichlorobenzene	87		97		70-130	11		20
1,2,4-Trichlorobenzene	91		95		70-130	4		20
1,3,5-Trimethylbenzene	84		85		64-130	1		20
1,2,4-Trimethylbenzene	86		87		70-130	1		20
1,4-Dioxane	74		80		56-162	8		20
p-Diethylbenzene	94		96		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1285585-3 WG1285585-4								
p-Ethyltoluene	87		87		70-130	0		20
1,2,4,5-Tetramethylbenzene	97		100		70-130	3		20
Ethyl ether	83		80		59-134	4		20
trans-1,4-Dichloro-2-butene	80		75		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	89		88		70-130
4-Bromofluorobenzene	84		85		70-130
Dibromofluoromethane	100		98		70-130

SEMIVOLATILES

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01
Client ID: TW-3
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:30
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/18/19 16:52
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 12:07

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	1.8	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	2.2	J	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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01 Date Collected: 09/11/19 14:30

Client ID: TW-3 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, NY 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	2.7	J	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	14.	J	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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01 Date Collected: 09/11/19 14:30

Client ID: TW-3 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	33.5	J	ug/l			1
Aldol Condensates (A)	8.36	JB	ug/l			1
Unknown	2.58	J	ug/l			1
Unknown	1.74	JB	ug/l			1
Unknown	2.84	JB	ug/l			1
Unknown	4.91	JB	ug/l			1
Unknown	1.78	J	ug/l			1
Unknown	3.05	JB	ug/l			1
Unknown	1.89	JB	ug/l			1
Unknown	1.89	J	ug/l			1
Unknown Organic Acid	1.74	J	ug/l			1
Unknown Organic Acid	2.69	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	57		41-149

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01
Client ID: TW-3
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:30
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/19 13:00
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 12:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.28		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	ND		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	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		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	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01 Date Collected: 09/11/19 14:30

Client ID: TW-3 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	70		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	85		41-149

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02
Client ID: TW-4
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 09:20
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/18/19 17:46
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:39

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	2.0	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	2.3	J	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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02 Date Collected: 09/12/19 09:20

Client ID: TW-4 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, NY 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	14.	J	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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02 Date Collected: 09/12/19 09:20

Client ID: TW-4 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	89.6	J	ug/l			1
Aldol Condensates (A)	1.93	J	ug/l			1
Aldol Condensates (A)	57.8	JB	ug/l			1
Unknown	1.53	J	ug/l			1
Unknown	2.65	J	ug/l			1
Unknown	3.02	JB	ug/l			1
Unknown	2.65	JB	ug/l			1
Unknown	5.42	JB	ug/l			1
Unknown	2.11	J	ug/l			1
Unknown	3.49	JB	ug/l			1
Unknown	1.89	JB	ug/l			1
Unknown	1.78	J	ug/l			1
Unknown Alcohol	1.82	J	ug/l			1
Unknown Organic Acid	1.64	J	ug/l			1
Unknown Organic Acid	1.89	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	68		41-149

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02
Client ID: TW-4
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 09:20
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/19 13:16
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.12		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	0.05	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02 Date Collected: 09/12/19 09:20

Client ID: TW-4 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	74		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	104		10-120
4-Terphenyl-d14	92		41-149

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03
Client ID: TW-5
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 10:30
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/18/19 18:12
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:39

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	2.0	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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03 Date Collected: 09/12/19 10:30

Client ID: TW-5 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, NY 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	1.2	J	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	11.	J	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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03 Date Collected: 09/12/19 10:30

Client ID: TW-5 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	250	J	ug/l			1
Aldol Condensates (A)	5.20	J	ug/l			1
Aldol Condensates (A)	72.8	JB	ug/l			1
Unknown	2.94	J	ug/l			1
Unknown	36.6	J	ug/l			1
Unknown	6.18	J	ug/l			1
Unknown	6.04	JB	ug/l			1
Unknown	10.6	J	ug/l			1
Unknown	3.42	JB	ug/l			1
Unknown	31.7	J	ug/l			1
Unknown	23.4	J	ug/l			1
Unknown	15.9	J	ug/l			1
Unknown	12.8	J	ug/l			1
Unknown Organic Acid	2.91	J	ug/l			1
Unknown Organic Acid	8.29	J	ug/l			1
Unknown Organic Acid	11.2	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	**127**	Q	10-120
4-Terphenyl-d14	72		41-149

Project Name: 500 MAIN ST.
Lab Number: L1941891
Project Number: 10637
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03
Client ID: TW-5
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 10:30
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/19 13:32
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		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	ND		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	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		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	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.02	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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03 Date Collected: 09/12/19 10:30

Client ID: TW-5 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	78		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	94		41-149

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04
Client ID: SB-26 (1.5-2)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 08:40
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 18:25
Analyst: IM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/16/19 03:09

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	45	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	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04 Date Collected: 09/12/19 08:40

Client ID: SB-26 (1.5-2) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	30	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	39	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	27	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	22	J	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	43	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	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04 Date Collected: 09/12/19 08:40

Client ID: SB-26 (1.5-2) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	62		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	48		18-120

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05
Client ID: SB-29 (2-2.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 09:00
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/18/19 18:01
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/16/19 03:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	33	J	ug/kg	140	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	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	700		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	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	160	1
Hexachloroethane	ND		ug/kg	140	29.	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	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05 Date Collected: 09/12/19 09:00

Client ID: SB-29 (2-2.5) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	330		ug/kg	110	20.	1
Benzo(a)pyrene	260		ug/kg	140	44.	1
Benzo(b)fluoranthene	360		ug/kg	110	31.	1
Benzo(k)fluoranthene	130		ug/kg	110	29.	1
Chrysene	300		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	110		ug/kg	110	35.	1
Benzo(ghi)perylene	170		ug/kg	140	21.	1
Fluorene	29	J	ug/kg	180	18.	1
Phenanthrene	410		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	44	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	140	25.	1
Pyrene	570		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	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	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05 Date Collected: 09/12/19 09:00

Client ID: SB-29 (2-2.5) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	27	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	47		18-120

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 22:52
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 09/16/19 02:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1284419-1					
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	140	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	18.
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	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	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: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 22:52
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 09/16/19 02:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1284419-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
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	31.
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	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	37.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	19.
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	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/16/19 22:52
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 09/16/19 02:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1284419-1					
4-Nitrophenol	ND		ug/kg	220	66.
2,4-Dinitrophenol	ND		ug/kg	770	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	77.
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	520	160
Benzyl Alcohol	ND		ug/kg	160	49.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	88		18-120

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 03:20
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 12:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1285080-1					
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 03:20
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 12:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1285080-1					
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: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 03:20
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 12:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1285080-1					
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	51.3	J	ug/l
Unknown	2.58	J	ug/l
Unknown	2.51	J	ug/l
Unknown	1.78	J	ug/l
Unknown	1.96	J	ug/l
Unknown	3.13	J	ug/l
Unknown	5.27	J	ug/l
Unknown	1.89	J	ug/l
Unknown	2.25	J	ug/l
Unknown	2.69	J	ug/l
Unknown	4.11	J	ug/l

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 03:20
Analyst: CB

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 12:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1285080-1					
Tentatively Identified Compounds					
Unknown	1.74	J	ug/l		
Unknown	1.85	J	ug/l		
Unknown	6.69	J	ug/l		
Aldol Condensates (A)	12.8	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	90		41-149

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/19 12:43
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 12:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1285082-1					
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	ND		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: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/19/19 12:43
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 12:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG1285082-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	98		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1284419-2 WG1284419-3								
Acenaphthene	84		73		31-137	14		50
1,2,4-Trichlorobenzene	81		70		38-107	15		50
Hexachlorobenzene	84		74		40-140	13		50
Bis(2-chloroethyl)ether	71		65		40-140	9		50
2-Chloronaphthalene	87		81		40-140	7		50
1,2-Dichlorobenzene	75		67		40-140	11		50
1,3-Dichlorobenzene	74		67		40-140	10		50
1,4-Dichlorobenzene	72		66		28-104	9		50
3,3'-Dichlorobenzidine	66		55		40-140	18		50
2,4-Dinitrotoluene	114		97		40-132	16		50
2,6-Dinitrotoluene	108		98		40-140	10		50
Fluoranthene	92		79		40-140	15		50
4-Chlorophenyl phenyl ether	92		79		40-140	15		50
4-Bromophenyl phenyl ether	88		78		40-140	12		50
Bis(2-chloroisopropyl)ether	62		55		40-140	12		50
Bis(2-chloroethoxy)methane	75		69		40-117	8		50
Hexachlorobutadiene	88		77		40-140	13		50
Hexachlorocyclopentadiene	81		71		40-140	13		50
Hexachloroethane	76		70		40-140	8		50
Isophorone	85		73		40-140	15		50
Naphthalene	82		74		40-140	10		50
Nitrobenzene	90		82		40-140	9		50
NDPA/DPA	92		80		36-157	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1284419-2 WG1284419-3								
n-Nitrosodi-n-propylamine	83		78		32-121	6		50
Bis(2-ethylhexyl)phthalate	104		91		40-140	13		50
Butyl benzyl phthalate	107		91		40-140	16		50
Di-n-butylphthalate	99		84		40-140	16		50
Di-n-octylphthalate	107		91		40-140	16		50
Diethyl phthalate	96		84		40-140	13		50
Dimethyl phthalate	97		87		40-140	11		50
Benzo(a)anthracene	89		80		40-140	11		50
Benzo(a)pyrene	88		78		40-140	12		50
Benzo(b)fluoranthene	92		82		40-140	11		50
Benzo(k)fluoranthene	90		78		40-140	14		50
Chrysene	85		76		40-140	11		50
Acenaphthylene	93		84		40-140	10		50
Anthracene	90		78		40-140	14		50
Benzo(ghi)perylene	92		80		40-140	14		50
Fluorene	90		79		40-140	13		50
Phenanthrene	87		75		40-140	15		50
Dibenzo(a,h)anthracene	89		75		40-140	17		50
Indeno(1,2,3-cd)pyrene	92		81		40-140	13		50
Pyrene	92		78		35-142	16		50
Biphenyl	94		85		37-127	10		50
4-Chloroaniline	76		67		40-140	13		50
2-Nitroaniline	112		102		47-134	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1284419-2 WG1284419-3								
3-Nitroaniline	86		73		26-129	16		50
4-Nitroaniline	94		94		41-125	0		50
Dibenzofuran	90		78		40-140	14		50
2-Methylnaphthalene	85		78		40-140	9		50
1,2,4,5-Tetrachlorobenzene	88		80		40-117	10		50
Acetophenone	88		79		14-144	11		50
2,4,6-Trichlorophenol	94		88		30-130	7		50
p-Chloro-m-cresol	102		94		26-103	8		50
2-Chlorophenol	84		75		25-102	11		50
2,4-Dichlorophenol	93		82		30-130	13		50
2,4-Dimethylphenol	100		91		30-130	9		50
2-Nitrophenol	111		97		30-130	13		50
4-Nitrophenol	**126**	Q	107		11-114	16		50
2,4-Dinitrophenol	109		98		4-130	11		50
4,6-Dinitro-o-cresol	122		105		10-130	15		50
Pentachlorophenol	96		79		17-109	19		50
Phenol	83		75		26-90	10		50
2-Methylphenol	85		76		30-130.	11		50
3-Methylphenol/4-Methylphenol	84		78		30-130	7		50
2,4,5-Trichlorophenol	95		90		30-130	5		50
Benzoic Acid	54		66		10-110	20		50
Benzyl Alcohol	94		83		40-140	12		50
Carbazole	89		78		54-128	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1284419-2 WG1284419-3								
1,4-Dioxane	47		43		40-140	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		72		25-120
Phenol-d6	85		76		10-120
Nitrobenzene-d5	92		81		23-120
2-Fluorobiphenyl	88		80		30-120
2,4,6-Tribromophenol	92		79		10-136
4-Terphenyl-d14	88		75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1285080-2 WG1285080-3								
Acenaphthene	58		68		37-111	16		30
1,2,4-Trichlorobenzene	62		72		39-98	15		30
Hexachlorobenzene	60		70		40-140	15		30
Bis(2-chloroethyl)ether	66		74		40-140	11		30
2-Chloronaphthalene	64		73		40-140	13		30
1,2-Dichlorobenzene	61		72		40-140	17		30
1,3-Dichlorobenzene	59		69		40-140	16		30
1,4-Dichlorobenzene	60		70		36-97	15		30
3,3'-Dichlorobenzidine	60		72		40-140	18		30
2,4-Dinitrotoluene	61		73		48-143	18		30
2,6-Dinitrotoluene	71		82		40-140	14		30
Fluoranthene	71		83		40-140	16		30
4-Chlorophenyl phenyl ether	62		75		40-140	19		30
4-Bromophenyl phenyl ether	62		73		40-140	16		30
Bis(2-chloroisopropyl)ether	72		83		40-140	14		30
Bis(2-chloroethoxy)methane	70		81		40-140	15		30
Hexachlorobutadiene	58		70		40-140	19		30
Hexachlorocyclopentadiene	54		68		40-140	23		30
Hexachloroethane	58		72		40-140	22		30
Isophorone	70		82		40-140	16		30
Naphthalene	62		72		40-140	15		30
Nitrobenzene	66		77		40-140	15		30
NDPA/DPA	66		76		40-140	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1285080-2 WG1285080-3								
n-Nitrosodi-n-propylamine	74		86		29-132	15		30
Bis(2-ethylhexyl)phthalate	79		92		40-140	15		30
Butyl benzyl phthalate	85		97		40-140	13		30
Di-n-butylphthalate	73		84		40-140	14		30
Di-n-octylphthalate	88		103		40-140	16		30
Diethyl phthalate	68		79		40-140	15		30
Dimethyl phthalate	75		85		40-140	13		30
Benzo(a)anthracene	74		84		40-140	13		30
Benzo(a)pyrene	66		79		40-140	18		30
Benzo(b)fluoranthene	71		84		40-140	17		30
Benzo(k)fluoranthene	70		86		40-140	21		30
Chrysene	69		80		40-140	15		30
Acenaphthylene	69		78		45-123	12		30
Anthracene	69		81		40-140	16		30
Benzo(ghi)perylene	66		78		40-140	17		30
Fluorene	62		71		40-140	14		30
Phenanthrene	66		78		40-140	17		30
Dibenzo(a,h)anthracene	66		80		40-140	19		30
Indeno(1,2,3-cd)pyrene	68		81		40-140	17		30
Pyrene	70		83		26-127	17		30
Biphenyl	66		78		40-140	17		30
4-Chloroaniline	63		72		40-140	13		30
2-Nitroaniline	68		79		52-143	15		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1285080-2 WG1285080-3								
3-Nitroaniline	53		61		25-145	14		30
4-Nitroaniline	57		68		51-143	18		30
Dibenzofuran	59		68		40-140	14		30
2-Methylnaphthalene	63		75		40-140	17		30
1,2,4,5-Tetrachlorobenzene	61		73		2-134	18		30
Acetophenone	65		76		39-129	16		30
2,4,6-Trichlorophenol	64		77		30-130	18		30
p-Chloro-m-cresol	72		83		23-97	14		30
2-Chlorophenol	66		77		27-123	15		30
2,4-Dichlorophenol	66		79		30-130	18		30
2,4-Dimethylphenol	65		74		30-130	13		30
2-Nitrophenol	71		82		30-130	14		30
4-Nitrophenol	51		57		10-80	11		30
2,4-Dinitrophenol	56		56		20-130	0		30
4,6-Dinitro-o-cresol	70		79		20-164	12		30
Pentachlorophenol	60		66		9-103	10		30
Phenol	52		57		12-110	9		30
2-Methylphenol	65		73		30-130	12		30
3-Methylphenol/4-Methylphenol	66		74		30-130	11		30
2,4,5-Trichlorophenol	69		82		30-130	17		30
Benzoic Acid	**0**	Q	**0**	Q	10-164	NC		30
Benzyl Alcohol	60		70		26-116	15		30
Carbazole	69		81		55-144	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1285080-2 WG1285080-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		57		21-120
Phenol-d6	48		52		10-120
Nitrobenzene-d5	65		77		23-120
2-Fluorobiphenyl	62		72		15-120
2,4,6-Tribromophenol	52		59		10-120
4-Terphenyl-d14	71		80		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1285082-2 WG1285082-3								
Acenaphthene	69		100		40-140	37		40
2-Chloronaphthalene	70		98		40-140	33		40
Fluoranthene	65		94		40-140	36		40
Hexachlorobutadiene	64		89		40-140	33		40
Naphthalene	69		94		40-140	31		40
Benzo(a)anthracene	71		104		40-140	38		40
Benzo(a)pyrene	68		103		40-140	**41**	Q	40
Benzo(b)fluoranthene	77		111		40-140	36		40
Benzo(k)fluoranthene	70		104		40-140	39		40
Chrysene	67		100		40-140	40		40
Acenaphthylene	68		96		40-140	34		40
Anthracene	67		102		40-140	**41**	Q	40
Benzo(ghi)perylene	75		116		40-140	**43**	Q	40
Fluorene	68		101		40-140	39		40
Phenanthrene	73		105		40-140	36		40
Dibenzo(a,h)anthracene	77		117		40-140	**41**	Q	40
Indeno(1,2,3-cd)pyrene	67		101		40-140	40		40
Pyrene	64		92		40-140	36		40
2-Methylnaphthalene	73		102		40-140	33		40
Pentachlorophenol	62		77		40-140	22		40
Hexachlorobenzene	69		101		40-140	38		40
Hexachloroethane	56		85		40-140	**41**	Q	40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG1285082-2 WG1285082-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		81		21-120
Phenol-d6	51		68		10-120
Nitrobenzene-d5	82		109		23-120
2-Fluorobiphenyl	67		91		15-120
2,4,6-Tribromophenol	74		109		10-120
4-Terphenyl-d14	65		91		41-149

PCBS

Project Name: 500 MAIN ST.
Lab Number: L1941891
Project Number: 10637
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01
Client ID: TW-3
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:30
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/18/19 23:26
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/19 15:52
Cleanup Method: EPA 3665A
Cleanup Date: 09/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

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	0.052	JP	ug/l	0.083	0.039	1	B
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	0.052	J	ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: 500 MAIN ST.
Lab Number: L1941891
Project Number: 10637
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02
Client ID: TW-4
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 09:20
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/18/19 23:39
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/18/19 15:52
Cleanup Method: EPA 3665A
Cleanup Date: 09/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

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	0.060	J	ug/l	0.083	0.039	1	B
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	0.060	J	ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 500 MAIN ST.
Lab Number: L1941891
Project Number: 10637
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03
Client ID: TW-5
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 10:30
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/18/19 06:12
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.500	0.078	1	A
Aroclor 1221	ND		ug/l	0.500	0.110	1	A
Aroclor 1232	ND		ug/l	0.500	0.230	1	A
Aroclor 1242	ND		ug/l	0.500	0.181	1	A
Aroclor 1248	ND		ug/l	0.500	0.228	1	A
Aroclor 1254	ND		ug/l	0.500	0.084	1	A
Aroclor 1260	ND		ug/l	0.500	0.172	1	A
Aroclor 1262	ND		ug/l	0.500	0.165	1	A
Aroclor 1268	ND		ug/l	0.500	0.158	1	A
PCBs, Total	ND		ug/l	0.500	0.078	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	35		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	34		30-150	A

Project Name: 500 MAIN ST.
Lab Number: L1941891
Project Number: 10637
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04
Client ID: SB-26 (1.5-2)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 08:40
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 22:14
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/16/19 02:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/17/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/17/19

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	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 500 MAIN ST.
Lab Number: L1941891
Project Number: 10637
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05
Client ID: SB-29 (2-2.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 09:00
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/17/19 22:29
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/16/19 02:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/17/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/17/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.53	1	A
Aroclor 1242	ND		ug/kg	35.5	4.79	1	A
Aroclor 1248	ND		ug/kg	35.5	5.33	1	A
Aroclor 1254	ND		ug/kg	35.5	3.88	1	A
Aroclor 1260	ND		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	ND		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/17/19 23:40
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 09/15/19 02:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/15/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/15/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04-05 Batch: WG1284287-1						
Aroclor 1016	ND		ug/kg	31.9	2.84	A
Aroclor 1221	ND		ug/kg	31.9	3.20	A
Aroclor 1232	ND		ug/kg	31.9	6.77	A
Aroclor 1242	ND		ug/kg	31.9	4.31	A
Aroclor 1248	ND		ug/kg	31.9	4.79	A
Aroclor 1254	ND		ug/kg	31.9	3.50	A
Aroclor 1260	ND		ug/kg	31.9	5.90	A
Aroclor 1262	ND		ug/kg	31.9	4.06	A
Aroclor 1268	ND		ug/kg	31.9	3.31	A
PCBs, Total	ND		ug/kg	31.9	2.84	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/18/19 04:58
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG1285168-1						
Aroclor 1016	ND		ug/l	0.083	0.013	A
Aroclor 1221	ND		ug/l	0.083	0.018	A
Aroclor 1232	ND		ug/l	0.083	0.038	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.038	A
Aroclor 1254	ND		ug/l	0.083	0.014	A
Aroclor 1260	ND		ug/l	0.083	0.029	A
Aroclor 1262	ND		ug/l	0.083	0.028	A
Aroclor 1268	ND		ug/l	0.083	0.026	A
PCBs, Total	ND		ug/l	0.083	0.013	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/18/19 18:07
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 09/18/19 14:28
Cleanup Method: EPA 3665A
Cleanup Date: 09/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1285667-1						
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	74		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG1284287-2 WG1284287-3									
Aroclor 1016	81		83		40-140	2		50	A
Aroclor 1260	70		74		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		107		30-150	A
Decachlorobiphenyl	89		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		107		30-150	B
Decachlorobiphenyl	94		98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.

Project Number: 10637

Lab Number: L1941891

Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG1285168-2 WG1285168-3									
Aroclor 1016	58		55		40-140	4		50	A
Aroclor 1260	61		57		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		46		30-150	B
Decachlorobiphenyl	74		65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	48		45		30-150	A
Decachlorobiphenyl	66		58		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1285667-2 WG1285667-3									
Aroclor 1016	67		66		40-140	1		50	A
Aroclor 1260	60		64		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		72		30-150	A
Decachlorobiphenyl	74		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		68		30-150	B
Decachlorobiphenyl	77		77		30-150	B

PESTICIDES

Project Name: 500 MAIN ST.
Lab Number: L1941891
Project Number: 10637
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01
Client ID: TW-3
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:30
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/19/19 02:20
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 07:24

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	B
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01 Date Collected: 09/11/19 14:30

Client ID: TW-3 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02
Client ID: TW-4
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 09:20
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/19/19 02:31
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:37

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	B
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: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02 Date Collected: 09/12/19 09:20

Client ID: TW-4 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: 500 MAIN ST.
Lab Number: L1941891
Project Number: 10637
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03
Client ID: TW-5
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 10:30
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/19/19 01:57
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.050	0.012	1	A
Lindane	ND		ug/l	0.050	0.011	1	A
Alpha-BHC	ND		ug/l	0.050	0.011	1	A
Beta-BHC	ND		ug/l	0.050	0.014	1	A
Heptachlor	ND		ug/l	0.050	0.008	1	A
Aldrin	ND		ug/l	0.050	0.005	1	A
Heptachlor epoxide	ND		ug/l	0.050	0.010	1	A
Endrin	ND		ug/l	0.100	0.011	1	A
Endrin aldehyde	0.023	J	ug/l	0.100	0.020	1	A
Endrin ketone	ND		ug/l	0.100	0.012	1	A
Dieldrin	ND		ug/l	0.100	0.011	1	B
4,4'-DDE	ND		ug/l	0.100	0.010	1	A
4,4'-DDD	ND		ug/l	0.100	0.012	1	A
4,4'-DDT	ND		ug/l	0.100	0.011	1	A
Endosulfan I	ND		ug/l	0.050	0.009	1	A
Endosulfan II	ND		ug/l	0.100	0.013	1	A
Endosulfan sulfate	ND		ug/l	0.100	0.012	1	A
Methoxychlor	ND		ug/l	0.500	0.017	1	A
Toxaphene	ND		ug/l	0.500	0.157	1	A
cis-Chlordane	ND		ug/l	0.050	0.017	1	A
trans-Chlordane	ND		ug/l	0.050	0.016	1	A
Chlordane	ND		ug/l	0.500	0.116	1	A

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03 Date Collected: 09/12/19 10:30

Client ID: TW-5 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	107		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04
Client ID: SB-26 (1.5-2)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 08:40
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/19/19 04:13
Analyst: AMC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/16/19 01:14
Cleanup Method: EPA 3620B
Cleanup Date: 09/17/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.342	1	A
Lindane	ND		ug/kg	0.728	0.326	1	A
Alpha-BHC	ND		ug/kg	0.728	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.663	1	A
Heptachlor	ND		ug/kg	0.874	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.616	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.984	1	A
Endrin	ND		ug/kg	0.728	0.299	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.765	1	A
Endrin ketone	ND		ug/kg	1.75	0.450	1	A
Dieldrin	ND		ug/kg	1.09	0.546	1	A
4,4'-DDE	ND		ug/kg	1.75	0.404	1	A
4,4'-DDD	ND		ug/kg	1.75	0.624	1	A
4,4'-DDT	ND		ug/kg	3.28	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.584	1	A
Endosulfan sulfate	ND		ug/kg	0.728	0.347	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.18	1	A
cis-Chlordane	ND		ug/kg	2.18	0.609	1	A
trans-Chlordane	ND		ug/kg	2.18	0.577	1	A
Chlordane	ND		ug/kg	14.2	5.79	1	A

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04 Date Collected: 09/12/19 08:40

Client ID: SB-26 (1.5-2) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	76		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05
Client ID: SB-29 (2-2.5)
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/12/19 09:00
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/19/19 08:43
Analyst: AMC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/16/19 01:14
Cleanup Method: EPA 3620B
Cleanup Date: 09/17/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.709	0.317	1	A
Alpha-BHC	ND		ug/kg	0.709	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.645	1	A
Heptachlor	ND		ug/kg	0.851	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.599	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.958	1	A
Endrin	ND		ug/kg	0.709	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.745	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.532	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.607	1	A
4,4'-DDT	ND		ug/kg	3.19	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.569	1	A
Endosulfan sulfate	ND		ug/kg	0.709	0.338	1	A
Methoxychlor	ND		ug/kg	3.19	0.993	1	A
Toxaphene	ND		ug/kg	31.9	8.94	1	A
cis-Chlordane	ND		ug/kg	2.13	0.593	1	A
trans-Chlordane	ND		ug/kg	2.13	0.562	1	A
Chlordane	ND		ug/kg	13.8	5.64	1	A

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05 Date Collected: 09/12/19 09:00

Client ID: SB-29 (2-2.5) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	93		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/19/19 02:54
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/16/19 01:14
Cleanup Method: EPA 3620B
Cleanup Date: 09/17/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-05 Batch: WG1284406-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.962	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.08	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/19/19 02:54
Analyst: AMC

Extraction Method: EPA 3546
Extraction Date: 09/16/19 01:14
Cleanup Method: EPA 3620B
Cleanup Date: 09/17/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04-05 Batch: WG1284406-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/19/19 02:09
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 07:24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1284935-1						
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	IP	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
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	IP	ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A
4,4'-DDT	ND	IP	ug/l	0.029	0.003	B

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/19/19 02:09
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 07:24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1284935-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/19/19 01:24
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG1285169-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/19/19 01:24
Analyst: AMC

Extraction Method: EPA 3510C
Extraction Date: 09/17/19 15:41

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG1285169-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	44		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG1284406-2 WG1284406-3									
Delta-BHC	101		110		30-150	9		30	A
Lindane	93		101		30-150	8		30	A
Alpha-BHC	102		111		30-150	8		30	A
Beta-BHC	92		99		30-150	7		30	A
Heptachlor	97		106		30-150	9		30	A
Aldrin	85		104		30-150	20		30	A
Heptachlor epoxide	93		103		30-150	10		30	A
Endrin	99		114		30-150	14		30	A
Endrin aldehyde	78		96		30-150	21		30	A
Endrin ketone	103		118		30-150	14		30	A
Dieldrin	100		117		30-150	16		30	A
4,4'-DDE	88		110		30-150	22		30	A
4,4'-DDD	98		113		30-150	14		30	A
4,4'-DDT	103		118		30-150	14		30	A
Endosulfan I	85		103		30-150	19		30	A
Endosulfan II	97		111		30-150	13		30	A
Endosulfan sulfate	109		124		30-150	13		30	A
Methoxychlor	92		103		30-150	11		30	A
cis-Chlordane	71		92		30-150	26		30	A
trans-Chlordane	80		85		30-150	6		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04-05 Batch: WG1284406-2 WG1284406-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		95		30-150	B
Decachlorobiphenyl	72		81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		90		30-150	A
Decachlorobiphenyl	69		73		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1284935-2 WG1284935-3									
Delta-BHC	38		39		30-150	4		20	A
Lindane	41		42		30-150	2		20	A
Alpha-BHC	42		42		30-150	1		20	A
Beta-BHC	43		43		30-150	0		20	A
Heptachlor	41		41		30-150	0		20	A
Aldrin	41		42		30-150	1		20	A
Heptachlor epoxide	46		48		30-150	3		20	A
Endrin	43		46		30-150	6		20	A
Endrin aldehyde	37		41		30-150	9		20	A
Endrin ketone	46		48		30-150	6		20	A
Dieldrin	45		47		30-150	5		20	A
4,4'-DDE	42		44		30-150	3		20	A
4,4'-DDD	42		45		30-150	6		20	A
4,4'-DDT	44		47		30-150	6		20	A
Endosulfan I	42		43		30-150	4		20	A
Endosulfan II	44		47		30-150	6		20	A
Endosulfan sulfate	49		52		30-150	6		20	A
Methoxychlor	43		48		30-150	10		20	A
cis-Chlordane	40		40		30-150	0		20	A
trans-Chlordane	41		42		30-150	3		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.

Project Number: 10637

Lab Number: L1941891

Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1284935-2 WG1284935-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		41		30-150	A
Decachlorobiphenyl	46		48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		41		30-150	B
Decachlorobiphenyl	39		41		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1285169-2 WG1285169-3									
Delta-BHC	53		49		30-150	7		20	A
Lindane	54		50		30-150	7		20	A
Alpha-BHC	55		52		30-150	7		20	A
Beta-BHC	49		46		30-150	7		20	A
Heptachlor	49		46		30-150	7		20	A
Aldrin	51		47		30-150	8		20	A
Heptachlor epoxide	55		51		30-150	7		20	A
Endrin	54		50		30-150	8		20	A
Endrin aldehyde	46		43		30-150	6		20	A
Endrin ketone	55		51		30-150	8		20	A
Dieldrin	55		51		30-150	8		20	A
4,4'-DDE	52		48		30-150	8		20	A
4,4'-DDD	51		47		30-150	8		20	A
4,4'-DDT	53		49		30-150	8		20	A
Endosulfan I	50		46		30-150	8		20	A
Endosulfan II	50		47		30-150	7		20	A
Endosulfan sulfate	58		54		30-150	8		20	A
Methoxychlor	48		45		30-150	6		20	A
cis-Chlordane	46		43		30-150	7		20	A
trans-Chlordane	50		46		30-150	7		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1285169-2 WG1285169-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		50		30-150	A
Decachlorobiphenyl	50		45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		52		30-150	B
Decachlorobiphenyl	42		38		30-150	B

METALS

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01 Date Collected: 09/11/19 14:30

Client ID: TW-3 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	82.2		mg/l	0.100	0.032	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Arsenic, Total	0.006		mg/l	0.005	0.002	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Barium, Total	1.46		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Beryllium, Total	0.003	J	mg/l	0.005	0.001	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Cadmium, Total	0.004	J	mg/l	0.005	0.001	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Calcium, Total	146		mg/l	0.100	0.035	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Chromium, Total	0.283		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Cobalt, Total	0.163		mg/l	0.020	0.002	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Copper, Total	0.270		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Iron, Total	112		mg/l	0.050	0.009	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Lead, Total	0.152		mg/l	0.010	0.003	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Magnesium, Total	36.0		mg/l	0.100	0.015	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Manganese, Total	9.80		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/19 14:15	09/17/19 18:13	EPA 7470A	1,7470A	GD
Nickel, Total	0.248		mg/l	0.025	0.002	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Potassium, Total	42.9		mg/l	2.50	0.237	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Sodium, Total	309		mg/l	2.00	0.120	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Thallium, Total	0.003	J	mg/l	0.020	0.003	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Vanadium, Total	0.162		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC
Zinc, Total	0.460		mg/l	0.050	0.002	1	09/17/19 15:29	09/18/19 19:16	EPA 3005A	1,6010D	MC

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02 Date Collected: 09/12/19 09:20

Client ID: TW-4 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	32.5		mg/l	0.100	0.032	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Arsenic, Total	0.002	J	mg/l	0.005	0.002	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Barium, Total	0.615		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Cadmium, Total	0.002	J	mg/l	0.005	0.001	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Calcium, Total	159		mg/l	0.100	0.035	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Chromium, Total	0.109		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Cobalt, Total	0.048		mg/l	0.020	0.002	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Copper, Total	0.118		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Iron, Total	57.7		mg/l	0.050	0.009	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Lead, Total	0.083		mg/l	0.010	0.003	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Magnesium, Total	27.3		mg/l	0.100	0.015	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Manganese, Total	4.03		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Mercury, Total	0.00026		mg/l	0.00020	0.00009	1	09/17/19 14:15	09/17/19 18:15	EPA 7470A	1,7470A	GD
Nickel, Total	0.096		mg/l	0.025	0.002	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Potassium, Total	33.9		mg/l	2.50	0.237	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Sodium, Total	877		mg/l	2.00	0.120	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Vanadium, Total	0.085		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC
Zinc, Total	0.327		mg/l	0.050	0.002	1	09/17/19 15:29	09/18/19 19:21	EPA 3005A	1,6010D	MC

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03 Date Collected: 09/12/19 10:30

Client ID: TW-5 Date Received: 09/12/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	36.9		mg/l	0.100	0.032	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Arsenic, Total	0.003	J	mg/l	0.005	0.002	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Barium, Total	0.541		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Beryllium, Total	0.001	J	mg/l	0.005	0.001	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Cadmium, Total	0.002	J	mg/l	0.005	0.001	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Calcium, Total	76.2		mg/l	0.100	0.035	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Chromium, Total	0.126		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Cobalt, Total	0.053		mg/l	0.020	0.002	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Copper, Total	0.105		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Iron, Total	64.6		mg/l	0.050	0.009	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Lead, Total	0.049		mg/l	0.010	0.003	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Magnesium, Total	27.2		mg/l	0.100	0.015	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Manganese, Total	4.32		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/19 14:15	09/17/19 18:17	EPA 7470A	1,7470A	GD
Nickel, Total	0.099		mg/l	0.025	0.002	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Potassium, Total	27.9		mg/l	2.50	0.237	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Sodium, Total	535		mg/l	2.00	0.120	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Vanadium, Total	0.091		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC
Zinc, Total	0.217		mg/l	0.050	0.002	1	09/17/19 15:29	09/18/19 19:37	EPA 3005A	1,6010D	MC

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04 Date Collected: 09/12/19 08:40

Client ID: SB-26 (1.5-2) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, 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	10600		mg/kg	8.66	2.34	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Antimony, Total	0.944	J	mg/kg	4.33	0.329	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Arsenic, Total	5.27		mg/kg	0.866	0.180	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Barium, Total	181		mg/kg	0.866	0.151	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Beryllium, Total	0.355	J	mg/kg	0.433	0.029	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.866	0.085	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Calcium, Total	3500		mg/kg	8.66	3.03	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Chromium, Total	21.4		mg/kg	0.866	0.083	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Cobalt, Total	6.95		mg/kg	1.73	0.144	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Copper, Total	39.6		mg/kg	0.866	0.224	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Iron, Total	16300		mg/kg	4.33	0.782	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Lead, Total	237		mg/kg	4.33	0.232	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Magnesium, Total	2450		mg/kg	8.66	1.33	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Manganese, Total	390		mg/kg	0.866	0.138	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Mercury, Total	1.50		mg/kg	0.071	0.047	1	09/18/19 10:30	09/18/19 17:04	EPA 7471B	1,7471B	GD
Nickel, Total	11.9		mg/kg	2.17	0.210	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Potassium, Total	1620		mg/kg	217	12.5	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Selenium, Total	0.468	J	mg/kg	1.73	0.224	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.866	0.245	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Sodium, Total	219		mg/kg	173	2.73	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Vanadium, Total	22.4		mg/kg	0.866	0.176	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC
Zinc, Total	89.3		mg/kg	4.33	0.254	2	09/16/19 21:59	09/17/19 21:13	EPA 3050B	1,6010D	MC

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05 Date Collected: 09/12/19 09:00

Client ID: SB-29 (2-2.5) Date Received: 09/12/19

Sample Location: NEW ROCHELLE, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9580		mg/kg	8.53	2.30	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.26	0.324	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Arsenic, Total	1.18		mg/kg	0.853	0.177	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Barium, Total	60.4		mg/kg	0.853	0.148	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Beryllium, Total	0.213	J	mg/kg	0.426	0.028	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.853	0.084	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Calcium, Total	1450		mg/kg	8.53	2.98	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Chromium, Total	16.5		mg/kg	0.853	0.082	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Cobalt, Total	6.59		mg/kg	1.70	0.142	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Copper, Total	13.9		mg/kg	0.853	0.220	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Iron, Total	13400		mg/kg	4.26	0.770	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Lead, Total	12.6		mg/kg	4.26	0.228	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Magnesium, Total	1950		mg/kg	8.53	1.31	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Manganese, Total	451		mg/kg	0.853	0.136	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	09/18/19 10:30	09/18/19 17:08	EPA 7471B	1,7471B	GD
Nickel, Total	13.0		mg/kg	2.13	0.206	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Potassium, Total	2270		mg/kg	213	12.3	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.70	0.220	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.853	0.241	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Sodium, Total	56.1	J	mg/kg	170	2.69	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.70	0.269	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Vanadium, Total	19.9		mg/kg	0.853	0.173	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC
Zinc, Total	72.5		mg/kg	4.26	0.250	2	09/16/19 21:59	09/17/19 21:17	EPA 3050B	1,6010D	MC

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

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): 04-05 Batch: WG1284792-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Iron, Total	0.460	J	mg/kg	2.00	0.361	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/16/19 21:59	09/17/19 18:18	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/16/19 21:59	09/17/19 18:18	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): 01-03 Batch: WG1285100-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/17/19 14:15	09/17/19 17:43	1,7470A	GD

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

Method Blank Analysis
Batch Quality Control

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): 01-03 Batch: WG1285111-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Antimony, Total	ND		mg/l	0.050	0.007	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Barium, Total	ND		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Beryllium, Total	ND		mg/l	0.005	0.001	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Cadmium, Total	ND		mg/l	0.005	0.001	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Calcium, Total	ND		mg/l	0.100	0.035	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Chromium, Total	ND		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Cobalt, Total	ND		mg/l	0.020	0.002	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Copper, Total	ND		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Iron, Total	ND		mg/l	0.050	0.009	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Lead, Total	ND		mg/l	0.010	0.003	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Magnesium, Total	ND		mg/l	0.100	0.015	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Manganese, Total	ND		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Nickel, Total	ND		mg/l	0.025	0.002	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Potassium, Total	ND		mg/l	2.50	0.237	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Selenium, Total	ND		mg/l	0.010	0.004	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Silver, Total	ND		mg/l	0.007	0.003	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Sodium, Total	ND		mg/l	2.00	0.120	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Thallium, Total	ND		mg/l	0.020	0.003	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Vanadium, Total	ND		mg/l	0.010	0.002	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC
Zinc, Total	ND		mg/l	0.050	0.002	1	09/17/19 15:29	09/18/19 17:53	1,6010D	MC

Prep Information

Digestion Method: EPA 3005A

Project Name: 500 MAIN ST. **Lab Number:** L1941891

Project Number: 10637 **Report Date:** 09/26/19

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): 04-05 Batch: WG1285482-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/18/19 10:30	09/18/19 16:18	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.

Project Number: 10637

Lab Number: L1941891

Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-05 Batch: WG1284792-2 SRM Lot Number: D105-540								
Aluminum, Total	60		-		51-149	-		
Antimony, Total	156		-		19-249	-		
Arsenic, Total	106		-		70-130	-		
Barium, Total	88		-		75-125	-		
Beryllium, Total	95		-		75-125	-		
Cadmium, Total	101		-		75-125	-		
Calcium, Total	77		-		73-127	-		
Chromium, Total	82		-		70-130	-		
Cobalt, Total	100		-		75-125	-		
Copper, Total	87		-		75-125	-		
Iron, Total	70		-		38-162	-		
Lead, Total	94		-		71-128	-		
Magnesium, Total	74		-		63-137	-		
Manganese, Total	80		-		76-124	-		
Nickel, Total	98		-		70-131	-		
Potassium, Total	73		-		60-140	-		
Selenium, Total	101		-		63-137	-		
Silver, Total	84		-		69-131	-		
Sodium, Total	85		-		37-162	-		
Thallium, Total	100		-		68-132	-		
Vanadium, Total	84		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.

Project Number: 10637

Lab Number: L1941891

Report Date: 09/26/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04-05 Batch: WG1284792-2 SRM Lot Number: D105-540					
Zinc, Total	99	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1285100-2					
Mercury, Total	92	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.

Project Number: 10637

Lab Number: L1941891

Report Date: 09/26/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1285111-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	100	-	80-120	-	
Arsenic, Total	115	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	103	-	80-120	-	
Cadmium, Total	110	-	80-120	-	
Calcium, Total	87	-	80-120	-	
Chromium, Total	103	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	109	-	80-120	-	
Magnesium, Total	85	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	105	-	80-120	-	
Potassium, Total	89	-	80-120	-	
Selenium, Total	112	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	88	-	80-120	-	
Thallium, Total	109	-	80-120	-	
Vanadium, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.

Project Number: 10637

Lab Number: L1941891

Report Date: 09/26/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1285111-2					
Zinc, Total	110	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 04-05 Batch: WG1285482-2 SRM Lot Number: D105-540					
Mercury, Total	111	-	60-141	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

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): 04-05 QC Batch ID: WG1284792-3 WG1284792-4 QC Sample: L1941616-05 Client ID: MS Sample												
Aluminum, Total	4530	181	4120	**0**	Q	4310	**0**	Q	75-125	5		20
Antimony, Total	0.602J	45.3	44.3	98		43.0	99		75-125	3		20
Arsenic, Total	2.53	10.9	13.5	101		13.2	103		75-125	2		20
Barium, Total	42.4	181	191	82		188	84		75-125	2		20
Beryllium, Total	0.171J	4.53	4.10	90		4.12	95		75-125	0		20
Cadmium, Total	ND	4.62	3.70	80		3.51	80		75-125	5		20
Calcium, Total	16900	906	21000	**452**	Q	19800	**335**	Q	75-125	6		20
Chromium, Total	6.46	18.1	20.2	76		21.2	85		75-125	5		20
Cobalt, Total	4.37	45.3	44.1	88		43.0	89		75-125	3		20
Copper, Total	19.3	22.6	43.7	108		37.9	86		75-125	14		20
Iron, Total	10800	90.6	9200	**0**	Q	10000	**0**	Q	75-125	8		20
Lead, Total	2.74J	46.2	42.9	93		41.5	94		75-125	3		20
Magnesium, Total	5660	906	5060	**0**	Q	6420	88		75-125	**24**	Q	20
Manganese, Total	336	45.3	397	**135**	Q	409	**169**	Q	75-125	3		20
Nickel, Total	8.88	45.3	46.6	83		45.9	86		75-125	2		20
Potassium, Total	439	906	1190	83		1200	88		75-125	1		20
Selenium, Total	ND	10.9	10.5	96		10.5	101		75-125	0		20
Silver, Total	ND	27.2	21.5	79		22.4	86		75-125	4		20
Sodium, Total	252	906	1040	87		1050	92		75-125	1		20
Thallium, Total	ND	10.9	8.83	81		8.75	84		75-125	1		20
Vanadium, Total	10.7	45.3	49.4	85		51.2	94		75-125	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

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): 04-05 QC Batch ID: WG1284792-3 WG1284792-4 QC Sample: L1941616-05 Client ID: MS Sample									
Zinc, Total	21.9	45.3	63.0	91	61.5	92	75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1285100-3 QC Sample: L1941656-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00483	97	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

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): 01-03 QC Batch ID: WG1285111-3 QC Sample: L1941866-12 Client ID: MS Sample										
Aluminum, Total	ND	2	2.05	102		-	-	75-125	-	20
Antimony, Total	0.016J	0.5	0.513	103		-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.142	118		-	-	75-125	-	20
Barium, Total	0.020	2	2.08	103		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.050	100		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.054	107		-	-	75-125	-	20
Calcium, Total	151	10	155	**40**	Q	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.202	101		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.498	100		-	-	75-125	-	20
Copper, Total	ND	0.25	0.250	100		-	-	75-125	-	20
Iron, Total	0.020J	1	1.04	104		-	-	75-125	-	20
Lead, Total	ND	0.51	0.535	105		-	-	75-125	-	20
Magnesium, Total	27.7	10	35.4	77		-	-	75-125	-	20
Manganese, Total	0.078	0.5	0.572	99		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.501	100		-	-	75-125	-	20
Potassium, Total	1.58J	10	10.9	109		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.096	80		-	-	75-125	-	20
Silver, Total	ND	0.05	0.051	102		-	-	75-125	-	20
Sodium, Total	9.49	10	18.4	89		-	-	75-125	-	20
Thallium, Total	ND	0.12	0.127	106		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.523	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

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): 01-03 QC Batch ID: WG1285111-3 QC Sample: L1941866-12 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.531	106	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1285482-3 QC Sample: L1941863-01 Client ID: MS Sample									
Mercury, Total	ND	0.134	0.141	105	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 500 MAIN ST.

Project Number: 10637

Lab Number: L1941891

Report Date: 09/26/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1285100-4 QC Sample: L1941656-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 04-05 QC Batch ID: WG1285482-4 QC Sample: L1941863-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-01
Client ID: TW-3
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Water

Date Collected: 09/11/19 14:30
Date Received: 09/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/13/19 11:30	09/13/19 14:50	1,9010C/9012B	LH

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-02
Client ID: TW-4
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Water

Date Collected: 09/12/19 09:20
Date Received: 09/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/13/19 11:30	09/13/19 14:55	1,9010C/9012B	LH

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-03
Client ID: TW-5
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Water

Date Collected: 09/12/19 10:30
Date Received: 09/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/13/19 11:30	09/13/19 14:56	1,9010C/9012B	LH

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-04
Client ID: SB-26 (1.5-2)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/12/19 08:40
Date Received: 09/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	09/13/19 12:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/13/19 12:35	09/13/19 15:10	1,9010C/9012B	LH

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

SAMPLE RESULTS

Lab ID: L1941891-05
Client ID: SB-29 (2-2.5)
Sample Location: NEW ROCHELLE, NY
Sample Depth:
Matrix: Soil

Date Collected: 09/12/19 09:00
Date Received: 09/12/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	09/13/19 12:52	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	09/13/19 12:35	09/13/19 15:11	1,9010C/9012B	LH

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941891
Report Date: 09/26/19

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): 01-03 Batch: WG1283760-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	09/13/19 11:30	09/13/19 14:12	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 04-05 Batch: WG1283846-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/13/19 12:35	09/13/19 14:57	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.

Project Number: 10637

Lab Number: L1941891

Report Date: 09/26/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1283760-2 WG1283760-3								
Cyanide, Total	96		95		85-115	1		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 Batch: WG1283846-2 WG1283846-3								
Cyanide, Total	**73**	Q	**67**	Q	80-120	9		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

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): 01-03 QC Batch ID: WG1283760-4 WG1283760-5 QC Sample: L1941891-01 Client ID: TW-3												
Cyanide, Total	ND	0.2	0.193	96		0.184	92		80-120	5		20
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG1283846-4 WG1283846-5 QC Sample: L1941850-01 Client ID: MS Sample												
Cyanide, Total	ND	10	10	95		10	95		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-05 QC Batch ID: WG1283796-1 QC Sample: L1941863-01 Client ID: DUP Sample						
Solids, Total	93.2	93.4	%	0		20

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

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(*)
L1941891-01A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-01B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-01C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-01D	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941891-01E	Plastic 250ml NaOH preserved	A	>12	>12	2.7	Y	Absent		TCN-9010(14)
L1941891-01F	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1941891-01G	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1941891-01H	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1941891-01I	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1941891-01J	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1941891-01K	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1941891-02A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-02B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-02C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-02D	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941891-02E	Plastic 250ml NaOH preserved	A	>12	>12	2.7	Y	Absent		TCN-9010(14)
L1941891-02F	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1941891-02G	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941891-02H	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1941891-02I	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1941891-02J	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1941891-02K	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(7)
L1941891-03A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-03B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-03C	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-03D	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941891-03E	Plastic 250ml NaOH preserved	A	>12	>12	2.7	Y	Absent		TCN-9010(14)
L1941891-03F	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1941891-03G	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1941891-03H	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8081(7)
L1941891-03I	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-1200ML(7)
L1941891-04A	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1941891-04B	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1941891-04C	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1941891-04D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1941891-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941891-04F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941891-04X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1941891-04Y	Vial Water preserved split	A	NA		2.7	Y	Absent	13-SEP-19 12:15	NYTCL-8260HLW(14)
L1941891-04Z	Vial Water preserved split	A	NA		2.7	Y	Absent	13-SEP-19 12:15	NYTCL-8260HLW(14)
L1941891-05A	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941891
Report Date: 09/26/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941891-05B	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1941891-05C	5 gram Encore Sampler	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1941891-05D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L1941891-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1941891-05F	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082(14)
L1941891-05X	Vial MeOH preserved split	A	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L1941891-05Y	Vial Water preserved split	A	NA		2.7	Y	Absent	13-SEP-19 12:15	NYTCL-8260HLW(14)
L1941891-05Z	Vial Water preserved split	A	NA		2.7	Y	Absent	13-SEP-19 12:15	NYTCL-8260HLW(14)
L1941891-06A	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)
L1941891-06B	Vial HCl preserved	A	NA		2.7	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	500 MAIN ST.	**Lab Number:**	L1941891
Project Number:	10637	**Report Date:**	09/26/19

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.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
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:	500 MAIN ST.	**Lab Number:**	L1941891
Project Number:	10637	**Report Date:**	09/26/19

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:	500 MAIN ST.	**Lab Number:**	L1941891
Project Number:	10637	**Report Date:**	09/26/19

REFERENCES

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: 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

ALPHA

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

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

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

Page 1 of 1

Date Rec'd in Lab: 9/12/19

ALPHA Job #: L1941891

Client Information
Client: SESI
Address: 120 Maple ave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

Project Information
Project Name: 500 Main St
Project Location: New Rochelle, NY
Project #: 10637
(Use Project name as Project #) ☐
Project Manager: Jesse Mausner
ALPHAQuote #:

Turn-Around Time
Standard ☒ 1 week Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other Email / Excel

Billing Information
☒ Same as Client Info
PO # 10637 Phase 1

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

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL 8260/TAL	TCL VOLS	Total Bottle	Sample Specific Comments
41891 - 01	TW-3	9/11/19	1430	GW	JCS	X			
02	TW-4	9/12/19	920	GW	JCS	X			
03	TW-5	9/12/19	1030	GW	JCS	X			*Limited Volume
04	SB-26(1.5-2)	9/12/19	840	Soil	JCS	X			
05	SB-29(2-2.5)	9/12/19	900	Soil	JCS	X			
06	TB	9/10/19					X		

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

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

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

Container Type	PA V	V									
Preservative	AB CE	B									

Relinquished By:	Date/Time	Received By:	Date/Time
	9/12/19 1500		9/12/19 1500
	9/12/19 1600		9/12/19 1600
	9/12/19 2112		9/12/19 2112

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 & CONSTITUTIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1941898
Client:	Soils Engineering Services, Inc. 12A Maple Avenue Pine Brook, NJ 07058
ATTN:	Jesse Mausner
Phone:	(973) 808-9050
Project Name:	500 MAIN ST.
Project Number:	10637
Report Date:	09/18/19

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Serial_No:09181915:48

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941898
Report Date: 09/18/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941898-01	IA-1	AIR	NEW ROCHELLE, NY	09/11/19 13:53	09/12/19
L1941898-02	IA-2	AIR	NEW ROCHELLE, NY	09/11/19 13:35	09/12/19
L1941898-03	AA-1	AIR	NEW ROCHELLE, NY	09/11/19 13:47	09/12/19
L1941898-04	IA-3	AIR	NEW ROCHELLE, NY	09/11/19 14:40	09/12/19
L1941898-05	IA-4	AIR	NEW ROCHELLE, NY	09/11/19 15:13	09/12/19
L1941898-06	UNUSED CAN 2081	AIR	NEW ROCHELLE, NY		09/12/19

Project Name:	500 MAIN ST.	**Lab Number:**	L1941898
Project Number:	10637	**Report Date:**	09/18/19

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: 500 MAIN ST. **Lab Number:** L1941898
Project Number: 10637 **Report Date:** 09/18/19

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 10, 2019. The canister certification results are provided as an addendum.

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: 09/18/19

AIR

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-01
Client ID: IA-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:53
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/16/19 18:16
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.32	0.200	--	6.53	0.989	--		1
Chloromethane	0.422	0.200	--	0.871	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		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
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.07	1.00	--	4.92	2.38	--		1
Trichlorofluoromethane	0.221	0.200	--	1.24	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.909	0.500	--	3.16	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
2-Butanone	ND	0.500	--	ND	1.47	--		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

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-01
Client ID: IA-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:53
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	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	0.379	0.200	--	1.43	0.754	--		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
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

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-01
Client ID: IA-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:53
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	0.219	0.200	--	1.32	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	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	97		60-140

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-01
Client ID: IA-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:53
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/16/19 18:16
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.089	0.020	--	0.560	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.033	0.020	--	0.224	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-02
Client ID: IA-2
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:35
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/16/19 18:55
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	1.10	0.200	--	5.44	0.989	--		1
Chloromethane	0.391	0.200	--	0.807	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		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
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	2.15	1.00	--	5.11	2.38	--		1
Trichlorofluoromethane	0.225	0.200	--	1.26	1.12	--		1
Isopropanol	0.510	0.500	--	1.25	1.23	--		1
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
2-Butanone	ND	0.500	--	ND	1.47	--		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

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-02
Client ID: IA-2
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:35
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	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	0.372	0.200	--	1.40	0.754	--		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
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

Project Name: 500 MAIN ST. ***Lab Number:*** L1941898

Project Number: 10637 ***Report Date:*** 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-02
Client ID: IA-2
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:35
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	98		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	100		60-140

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-02
Client ID: IA-2
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:35
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/16/19 18:55
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.077	0.020	--	0.484	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.035	0.020	--	0.237	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	102		60-140

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-03
Client ID: AA-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:47
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/16/19 17:36
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.478	0.200	--	2.36	0.989	--		1
Chloromethane	0.472	0.200	--	0.975	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.78	5.00	--	14.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.40	1.00	--	15.2	2.38	--		1
Trichlorofluoromethane	0.200	0.200	--	1.12	1.12	--		1
Isopropanol	0.898	0.500	--	2.21	1.23	--		1
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
2-Butanone	ND	0.500	--	ND	1.47	--		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

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-03
Client ID: AA-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:47
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.407	0.200	--	1.43	0.705	--		1
Benzene	0.401	0.200	--	1.28	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		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
2,2,4-Trimethylpentane	0.437	0.200	--	2.04	0.934	--		1
Heptane	0.233	0.200	--	0.955	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	0.980	0.200	--	3.69	0.754	--		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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.449	0.400	--	1.95	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

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-03
Client ID: AA-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:47
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	97		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: 500 MAIN ST. ***Lab Number:*** L1941898

Project Number: 10637 ***Report Date:*** 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-03
Client ID: AA-1
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 13:47
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/16/19 17:36
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.063	0.020	--	0.396	0.126	--		1
Trichloroethene	0.027	0.020	--	0.145	0.107	--		1
Tetrachloroethene	0.044	0.020	--	0.298	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	102		60-140

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-04
Client ID: IA-3
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:40
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/16/19 19:35
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.563	0.200	--	2.78	0.989	--		1
Chloromethane	0.564	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		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
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	17.0	1.00	--	40.4	2.38	--		1
Trichlorofluoromethane	0.213	0.200	--	1.20	1.12	--		1
Isopropanol	1.58	0.500	--	3.88	1.23	--		1
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
2-Butanone	1.16	0.500	--	3.42	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.452	0.200	--	2.21	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-04
Client ID: IA-3
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:40
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.212	0.200	--	0.747	0.705	--		1
Benzene	0.586	0.200	--	1.87	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		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
2,2,4-Trimethylpentane	0.208	0.200	--	0.972	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	0.743	0.200	--	2.80	0.754	--		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
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.21	0.200	--	5.26	0.869	--		1
p/m-Xylene	5.01	0.400	--	21.8	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	1.56	0.200	--	6.78	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-04
Client ID: IA-3
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:40
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	1.02	0.200	--	6.13	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	101		60-140

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-04
Client ID: IA-3
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 14:40
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/16/19 19:35
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.097	0.020	--	0.385	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.067	0.020	--	0.421	0.126	--		1
Trichloroethene	0.224	0.020	--	1.20	0.107	--		1
Tetrachloroethene	0.074	0.020	--	0.502	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	94		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	103		60-140

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-05
Client ID: IA-4
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 15:13
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/16/19 20:14
Analyst: RY

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.481	0.200	--	2.38	0.989	--		1
Chloromethane	0.506	0.200	--	1.04	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	108	5.00	--	203	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.60	1.00	--	18.1	2.38	--		1
Trichlorofluoromethane	0.217	0.200	--	1.22	1.12	--		1
Isopropanol	3.09	0.500	--	7.60	1.23	--		1
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
2-Butanone	ND	0.500	--	ND	1.47	--		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

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-05
Client ID: IA-4
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 15:13
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		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
2,2,4-Trimethylpentane	ND	0.200	--	ND	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	0.526	0.200	--	1.98	0.754	--		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
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

Project Name: 500 MAIN ST. ***Lab Number:*** L1941898

Project Number: 10637 ***Report Date:*** 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-05
Client ID: IA-4
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 15:13
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	98		60-140

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

SAMPLE RESULTS

Lab ID: L1941898-05
Client ID: IA-4
Sample Location: NEW ROCHELLE, NY

Date Collected: 09/11/19 15:13
Date Received: 09/12/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/16/19 20:14
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.074	0.020	--	0.465	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.039	0.020	--	0.264	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	93		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 09/16/19 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-05 Batch: WG1284717-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/16/19 15:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1284718-4								
Propylene	ND	0.500	--	ND	0.861	--		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
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		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
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
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
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 500 MAIN ST. **Lab Number:** L1941898

Project Number: 10637 **Report Date:** 09/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/16/19 15:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1284718-4								
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
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		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
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
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
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
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 09/16/19 15:30

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG1284718-4								
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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 Batch: WG1284717-3								
Vinyl chloride	95		-		70-130	-		25
1,1-Dichloroethene	96		-		70-130	-		25
cis-1,2-Dichloroethene	100		-		70-130	-		25
1,1,1-Trichloroethane	97		-		70-130	-		25
Carbon tetrachloride	103		-		70-130	-		25
Trichloroethene	95		-		70-130	-		25
Tetrachloroethene	94		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1284718-3								
Propylene	116		-		70-130	-		
Dichlorodifluoromethane	95		-		70-130	-		
Chloromethane	98		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	102		-		70-130	-		
1,3-Butadiene	104		-		70-130	-		
Bromomethane	102		-		70-130	-		
Chloroethane	102		-		70-130	-		
Ethanol	95		-		40-160	-		
Vinyl bromide	94		-		70-130	-		
Acetone	81		-		40-160	-		
Trichlorofluoromethane	94		-		70-130	-		
Isopropanol	83		-		40-160	-		
1,1-Dichloroethene	100		-		70-130	-		
Tertiary butyl Alcohol	100		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	102		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
Freon-113	101		-		70-130	-		
trans-1,2-Dichloroethene	106		-		70-130	-		
1,1-Dichloroethane	104		-		70-130	-		
Methyl tert butyl ether	103		-		70-130	-		
Vinyl acetate	99		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1284718-3								
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		
Ethyl Acetate	108		-		70-130	-		
Chloroform	111		-		70-130	-		
Tetrahydrofuran	99		-		70-130	-		
1,2-Dichloroethane	106		-		70-130	-		
n-Hexane	106		-		70-130	-		
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	102		-		70-130	-		
Carbon tetrachloride	106		-		70-130	-		
Cyclohexane	107		-		70-130	-		
1,2-Dichloropropane	101		-		70-130	-		
Bromodichloromethane	107		-		70-130	-		
1,4-Dioxane	104		-		70-130	-		
Trichloroethene	102		-		70-130	-		
2,2,4-Trimethylpentane	108		-		70-130	-		
Heptane	101		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	103		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	96		-		70-130	-		
2-Hexanone	110		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637
Lab Number: L1941898
Report Date: 09/18/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG1284718-3								
Dibromochloromethane	104		-		70-130	-		
1,2-Dibromoethane	102		-		70-130	-		
Tetrachloroethene	98		-		70-130	-		
Chlorobenzene	102		-		70-130	-		
Ethylbenzene	99		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	108		-		70-130	-		
Styrene	101		-		70-130	-		
1,1,2,2-Tetrachloroethane	109		-		70-130	-		
o-Xylene	102		-		70-130	-		
4-Ethyltoluene	100		-		70-130	-		
1,3,5-Trimethylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	105		-		70-130	-		
Benzyl chloride	104		-		70-130	-		
1,3-Dichlorobenzene	104		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		
1,2-Dichlorobenzene	106		-		70-130	-		
1,2,4-Trichlorobenzene	98		-		70-130	-		
Hexachlorobutadiene	75		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941898
Report Date: 09/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1284717-5 QC Sample: L1941898-05 Client ID: IA-4						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.074	0.075	ppbV	1		25
Trichloroethene	ND	ND	ppbV	NC		25
Tetrachloroethene	0.039	0.040	ppbV	3		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941898
Report Date: 09/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1284718-5 QC Sample: L1941898-05 Client ID: IA-4						
Dichlorodifluoromethane	0.481	0.472	ppbV	2		25
Chloromethane	0.506	0.513	ppbV	1		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	108	102	ppbV	6		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	7.60	7.69	ppbV	1		25
Trichlorofluoromethane	0.217	0.203	ppbV	7		25
Isopropanol	3.09	3.09	ppbV	0		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941898
Report Date: 09/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1284718-5 QC Sample: L1941898-05 Client ID: IA-4						
Chloroform	ND	ND	ppbV	NC		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.526	0.536	ppbV	2		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941898
Report Date: 09/18/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1284718-5 QC Sample: L1941898-05 Client ID: IA-4						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Serial_No:09181915:48

Project Name: 500 MAIN ST.

Lab Number: L1941898

Project Number: 10637

Report Date: 09/18/19

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 Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1941898-01	IA-1	01271	FLOW 5	09/10/19	301632		-	-	-	Pass	8.9	7.4	18
L1941898-01	IA-1	475	2.7L Can	09/10/19	301632	L1940312-01	Pass	-29.5	-7.2	-	-	-	-
L1941898-02	IA-2	01288	Flow 5	09/10/19	301632		-	-	-	Pass	9.0	9.4	4
L1941898-02	IA-2	3031	2.7L Can	09/10/19	301632	L1940312-01	Pass	-29.5	0.0	-	-	-	-
L1941898-03	AA-1	0833	Flow 5	09/10/19	301632		-	-	-	Pass	9.0	8.3	8
L1941898-03	AA-1	2339	2.7L Can	09/10/19	301632	L1940312-01	Pass	-29.5	-5.5	-	-	-	-
L1941898-04	IA-3	01281	Flow 5	09/10/19	301632		-	-	-	Pass	9.0	8.6	5
L1941898-04	IA-3	2238	2.7L Can	09/10/19	301632	L1940312-01	Pass	-29.5	-6.0	-	-	-	-
L1941898-05	IA-4	0284	Flow 5	09/10/19	301632		-	-	-	Pass	9.0	8.4	7
L1941898-05	IA-4	2767	2.7L Can	09/10/19	301632	L1940312-01	Pass	-29.5	-5.9	-	-	-	-
L1941898-06	UNUSED CAN 2081	01247	FLOW 5	09/10/19	301632		-	-	-	Pass	9.0	8.0	12
L1941898-06	UNUSED CAN 2081	2081	2.7L Can	09/10/19	301632	L1940312-01	Pass	-29.5	-29.2	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1940312
Report Date: 09/18/19

Air Canister Certification Results

Lab ID: L1940312-01
Client ID: CAN 341 SHELF 1
Sample Location:

Date Collected: 09/04/19 16:00
Date Received: 09/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 09/05/19 16:50
Analyst: RY

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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: L1940312
Report Date: 09/18/19

Air Canister Certification Results

Lab ID: L1940312-01
Client ID: CAN 341 SHELF 1
Sample Location:

Date Collected: 09/04/19 16:00
Date Received: 09/05/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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: L1940312
Report Date: 09/18/19

Air Canister Certification Results

Lab ID: L1940312-01
Client ID: CAN 341 SHELF 1
Sample Location:

Date Collected: 09/04/19 16:00
Date Received: 09/05/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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: L1940312
Report Date: 09/18/19

Air Canister Certification Results

Lab ID: L1940312-01
Client ID: CAN 341 SHELF 1
Sample Location:

Date Collected: 09/04/19 16:00
Date Received: 09/05/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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
Project Number: CANISTER QC BAT
Lab Number: L1940312
Report Date: 09/18/19

Air Canister Certification Results

Lab ID: L1940312-01
Client ID: CAN 341 SHELF 1
Sample Location:

Date Collected: 09/04/19 16:00
Date Received: 09/05/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	99		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1940312
Report Date: 09/18/19

Air Canister Certification Results

Lab ID: L1940312-01
Client ID: CAN 341 SHELF 1
Sample Location:

Date Collected: 09/04/19 16:00
Date Received: 09/05/19
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/05/19 16:50
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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 **Lab Number:** L1940312

Project Number: CANISTER QC BAT **Report Date:** 09/18/19

Air Canister Certification Results

Lab ID: L1940312-01
Client ID: CAN 341 SHELF 1
Sample Location:

Date Collected: 09/04/19 16:00
Date Received: 09/05/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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:** L1940312

Project Number: CANISTER QC BAT **Report Date:** 09/18/19

Air Canister Certification Results

Lab ID: L1940312-01
Client ID: CAN 341 SHELF 1
Sample Location:

Date Collected: 09/04/19 16:00
Date Received: 09/05/19
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
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	98		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

Project Name: 500 MAIN ST.
Project Number: 10637

Lab Number: L1941898
Report Date: 09/18/19

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(*)***
L1941898-01A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L1941898-02A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L1941898-03A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L1941898-04A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L1941898-05A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		TO15-LL(30),TO15-SIM(30)
L1941898-06A	Canister - 2.7 Liter	NA	NA			Y	Present/Intact		CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name:	500 MAIN ST.	**Lab Number:**	L1941898
Project Number:	10637	**Report Date:**	09/18/19

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.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

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:	500 MAIN ST.	**Lab Number:**	L1941898
Project Number:	10637	**Report Date:**	09/18/19

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

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.

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.

Serial_No:09181915:48

AIR ANALYSIS

ALPHA ANALYTICAL — CHAIN OF CUSTODY

PAGE 1 OF 1

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

Date Rec'd in Lab: 9/13/19

ALPHA Job #: L1941898

Client Information

Client: SeSi
Address: 12a Mapleave
Pine Brook, NJ
Phone: 973 808 9050
Fax:
Email: JAM@sesi.org

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 500 Main St
Project Location: New Rochelle, NY
Project #: 10637
Project Manager: Jesse Mausner
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 1 week Time:

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)

Billing Information

☒ Same as Client info PO #: 10637 Phase 1

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm
NY	Unrestricted	Res

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

ANALYSIS

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
	IA-1	9/12/19	933	1353	-30.01	-7.01	AA	JCS	2.7L	475	01271	X						
	IA-2		935	1335	-30.07	-0.0			2.7L	3031	01288							Regulator read 0.0 before
	AA-1		947	1347	-29.80	-4.37			2.7L	2334	0833							Fill time was complete
	IA-3		1040	1440	-30.05	-4.80			2.7L	2238	01281							
	IA-4		1113	1513	-30.11	-4.77			2.7L	2762	0284							

*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:
	9/12/19 1600		9/12 1500
	9/12 2200		9/13/19 0200

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.

Form No: 101-02 Rev: (25-Sep-15)

18 December 2017

Rashid A. Walker
BRP Development Corporation
767 Third Avenue, 33rd Floor
New York, New York 10017

Re: Limited Phase II Environmental Site Investigation Report
500 Main Street
Block 215, Lot 12
New Rochelle, New York
Langan Project No.: 140169801

Dear Mr. Walker,

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) prepared this report to document the results of the Limited Phase II Environmental Site Investigation (ESI) performed on behalf of BRP Development Corp (BRP) for the property located at 500 Main Street, New Rochelle, New York (referred to herein as the "Subject Property"). The Subject Property (Block 215, Lot 12) is comprised of a 0.51-acre irregularly-shaped lot containing an approximately 20,000-square-foot, two-story commercial building with an asphalt-paved parking area and loading dock. This investigation included a geophysical survey, and soil and groundwater sampling. This report describes the sampling methodology, field observations, and analytical results of the subsurface investigation.

BACKGROUND

The purpose of this Limited Phase II ESI was to investigate if a release of hazardous/petroleum-related substance had occurred to the subsurface in connection with the recognized environmental conditions (RECs) identified during Langan's November 2017 Phase I Environmental Site Assessment (ESA). The following is a summary of the RECs identified in the Phase I ESA:

REC 1 – On-Site Underground Storage Tanks

The following evidence of underground storage tanks (USTs) was identified in connection with the Subject Property:

- According to records provided by the City of New Rochelle Fire Department and observations made during Langan's site reconnaissance, one concrete-vaulted 5,000-gallon No. 2 fuel oil UST has been located within the loading dock area of the Subject Property since at least 1954 (see Figure 2). The UST has reportedly been out-of

service since approximately 2012. Tank testing documentation for this tank was not available; therefore, the integrity of the UST is unknown.

- According to records provided by the City of New Rochelle Fire Department, a 1,000-gallon No. 3 fuel oil UST was previously identified at the Subject Property in 1933; however, no information regarding the location or status of the tank was available.
- As evident by historical Sanborn Fire Insurance Maps, a gasoline-powered engine and associated 100-gallon gasoline UST were present at the Subject Property during its use as a meat market and sausage-packing shop from approximately 1887 to 1911; however, the exact location of the tank was not provided.

Although no soil and groundwater sampling or UST removal records were identified as part of the Phase I ESA, the former USTs and overburden material were likely removed across most of the Subject Property to approximately 12 to 14 feet below grade to facilitate the construction of the building's basement in the early 1950s. However, absent environmental sampling data for deeper soils and/or groundwater, the potential for unidentified subsurface impacts associated with historic USTs remains. Based on the known and suspected presence of historic tanks and the lack of any documentation of tank closure or associated environmental sampling, the existing and historical USTs are considered a REC.

REC 2 – Historical Use of Surrounding Property (490-494 Main Street)

The historic use of the off-site property at 490-494 Main Street (located approximately 50 feet northeast and cross-gradient of the Subject Property) poses a potential concern with respect to the Subject Property in connection with its historic use as a carriage factory in the late 1800s. Although Langan was unable to obtain details with respect to the property's former use (i.e., years of operation, type & extent of work performed, etc.), given the length and period of historic operation (when environmental regulatory enforcement was very limited), operational practices may have impacted conditions at the Subject Property that are not presently known to site ownership or regulatory officials. Therefore, potential impacts from historical operations conducted at 490-494 Main Street represent a REC due to the potential for migration of contaminants to impact soil vapor and/or groundwater at the Subject Property.

Due to observed access limitations within the basement of the Subject Property, the environmental scope of work was intended for a due diligence level subsurface exploration. Additional soil, groundwater, and/or soil vapor[1] sampling may be warranted to confirm our preliminary findings after the existing building is demolished.

1 Langan attempted to install at least one sub-slab soil vapor probe within the basement of the Subject Property; however, due to the observed high groundwater table (less than 1-foot beneath the basement slab), soil vapor samples could not be collected.

FIELD INVESTIGATION

Langan conducted the field investigation on 12, 13, and 16 October 2017. The field investigation included the completion of a geophysical survey, the installation of two soil borings and two monitoring wells, the collection of two grab soil samples from soil borings (plus one duplicate sample), the collection of two groundwater samples from groundwater monitoring wells (plus one duplicate), and the collection of one surficial soil sample from a soil-lined sump located in the basement. Soil sampling procedures and results are discussed below. A summary of soil and groundwater sample collection is provided in Table 1 and a summary of the laboratory analytical data for the environmental samples is provided in Tables 2 and 3. All samples were analyzed by a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory.

Geophysical Survey

The geophysical survey was completed by NOVA Geophysical Services (NOVA) of Douglaston, New York under the observation of a Langan field engineer on 12 October 2017. The survey included ground penetrating radar (GPR), electromagnetic (EM) detectors, and comprehensive subsurface utility (CSUL) locators to locate and identify current and former utility lines, anomalies, underground storage tanks (USTs), subsurface structures, and to clear proposed boring locations.

Soil Investigation

Two soil borings (SB-1 and SB-2) were installed by SoilTesting Inc. of Oxford, Connecticut (SoilTesting) under the supervision of a Langan field engineer. Soil boring SB-1 was an exterior boring and was advanced along the southwestern perimeter of the concrete loading dock and in the area of the fuel oil UST. Soil boring SB-2 was an interior boring and was advanced within the northwestern portion of the Subject Property basement and in the general presumed vicinity of the two former on-site USTs. The soil boring locations are presented on Figure 3. SB-1 was completed using a Diedrich® D-120 turbo truck-mounted drill rig equipped with a 4 ¼-inch inside-diameter hollow-stem auger. Due to access limitations, SB-2 was completed using hand-held equipment and a split spoon tripod sampling method. Soil samples were collected in each boring into a 2-inch diameter by 24-inches long split-barrel sampler. Soil samples retrieved from each boring were visually classified for soil type, grain size and texture. Each soil sample was screened for total organic vapors using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. Soil samples were also evaluated for visual and olfactory indications of environmental impact. Soil boring logs are provided as Attachment A.

One discrete (grab) soil sample was collected for laboratory analysis from each boring at depths of 10 to 12 feet below sidewalk grade (for SB-1) and 2 to 4 foot below basement grade (for SB-

2). Soil boring SB-1 was terminated at a depth of 31 feet below sidewalk grade and soil boring SB-2 was terminated at a depth of 5 feet below basement grade. Additionally, one soil sample was collected at 0.5 to 1 foot below basement grade from the soil-lined sump located on the southeastern portion of the Subject Property building. Soil samples were submitted to York Analytical Laboratories (York) under standard chain-of-custody protocol for analysis of Part 375 list volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals. Trip blanks were submitted for laboratory analysis of VOCs. A summary of soil analytical data is presented in Table 2. Laboratory analytical reports and chain-of-custody documentation are provided in Attachment D.

Groundwater Investigation

The two soil borings (SB-1 and SB-2) advanced as part of this investigation were converted into groundwater monitoring wells MW-1 and MW-2, respectively. The monitoring wells were constructed to straddle the observed groundwater table, which was encountered at 10 feet below sidewalk grade at SB-1 and 8.5 inches below basement grade at SB-2. The wells were constructed with 2-inch diameter, threaded, flush-joint, polyvinyl chloride (PVC) casing and 0.01-inch slotted screens. The monitoring wells were developed with a submersible pump and dedicated polyethylene tubing until the purged water was visually clear. Well construction logs are provided in Attachment B. Groundwater monitoring well locations are shown on Figure 3. A summary of groundwater analytical data is presented in Table 3.

Low-flow groundwater sampling was conducted on 16 October 2017 using the Environmental Protection Agency (EPA) Region 1 low-flow methodology. During low-flow sampling, Langan monitored and recorded field parameter data including dissolved oxygen (DO), oxidation reduction potential (ORP), temperature (T), pH, turbidity, and specific conductivity. Once field parameters stabilized, Langan collected groundwater samples into laboratory-provided glassware for transport to York for analysis of Part 375 list VOCs, SVOCs, and metals. Trip blanks were submitted for laboratory analysis of VOCs. Groundwater low flow sampling logs are provided as Attachment C.

OBSERVATIONS AND RESULTS

Geophysical Survey

As stated above, a geophysical survey was conducted to locate and identify current and former utility lines, anomalies, USTs, subsurface structures, and to clear proposed boring locations. The GPR survey identified minor anomalies that were consistent with subsurface utility lines and the known existing vaulted UST within the loading dock area; however, anomalies indicative of additional USTs or subsurface structures were not identified.

Subsurface Observations

The exterior soil boring SB-1 was advanced to 31 feet below sidewalk grade and the interior boring SB-2 was advanced to 5 feet below basement grade. The subsurface conditions encountered generally consist of surficial layers of either asphalt or concrete underlain by layers of fill, glacial till, weathered rock and bedrock. Groundwater was encountered in both borings. A more detailed description of each layer encountered is provided below:

Surficial Material – Surficial layers consisted of asphalt and concrete. A 2-inch-thick asphalt layer was encountered in SB-1 and a 14-inch-thick concrete slab was encountered at SB-2.

Fill Layer – A layer of fill about 10 feet thick was encountered in SB-1. The fill is generally composed of dark brown to brown or gray, fine to coarse sand with varying proportions of silt, gravel, cobbles, boulders, and glass. Boulders were encountered within the fill from about 5 feet to about 8 feet bgs. The relative density of the fill is generally classified as medium-dense to very dense.

Glacial Till – A layer of glacial till up to about 4 feet thick was encountered in both borings. The glacial till is generally composed of brown to reddish brown or gray, fine to coarse sand with varying proportions of silt, gravel, cobbles, and boulders. An obstruction within the glacial till was encountered in SB-2 as confirmed by split-spoon refusal and termination of the boring at this location about 5 feet bgs. The glacial till may extend deeper at this location. The relative density of the glacial till is generally classified as very dense.

Weathered Rock – A layer of weathered rock up to about 8 feet thick was encountered below the glacial till in SB-1. The weathered rock displayed the visual fabric of the parent rock, but was weathered to fine to coarse sand with varying proportions of rock fragments. The relative density of the weathered rock is generally classified as very dense.

Bedrock – Competent bedrock was encountered and cored in SB-1 underlying the weathered rock. The bedrock underlying the site consists of white to gray pelitic schist, the top of which was encountered at 22 feet bgs.

Groundwater – Groundwater was encountered at approximately 10.5 feet below sidewalk grade at MW-1 and approximately 8.5 inches below basement grade at MW-2. Based on local topography, groundwater is expected to flow to the south-southeast towards the Long Island Sound. Groundwater can be expected to fluctuate with weather, seasonal conditions, or construction activities such as dewatering.

Soil boring logs are provided as Attachment A and groundwater monitoring well construction logs are provided as Attachment B.

Soil Sample Analytical Results

Three soil samples (plus a duplicate sample) were submitted for laboratory analysis. Analytical results were compared to Part 375 Unrestricted and Restricted Use Residential Site Cleanup Objectives (SCOs). A summary of the soil analytical results are presented in Table 2.

VOCs

One VOC (acetone) was detected above laboratory reporting limits but below SCOs in the soil samples collected. However, acetone is a common laboratory contaminant, not a contaminant of concern, and is not being attributed to a release area at the Subject Property. No other VOCs were detected above laboratory reporting limits.

SVOCs

Several SVOCs were detected in the soil samples collected above laboratory reporting limits but below SCOs. The detected SVOCs are common constituents of fill material and are not indicative of a release.

Metals

Five metals, including copper, lead, mercury, selenium, and zinc were detected at concentrations exceeding the Unrestricted Use SCOs in the soil sample collected from the soil-lined sump between 0.5 to 1 foot below basement grade. No metals were detected above SCOs in the soil samples collected from the soil borings SB-1 and SB-2. These metals appear to be constituents of the fill or naturally-occurring soil minerals in native soil and are not indicative of a release.

Groundwater Analytical Results

Two groundwater samples (plus a duplicate sample) were submitted for laboratory analysis. Analytical results were compared to the Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for Class GA waters. A summary of the groundwater analytical results are presented in Table 3.

VOCs

One VOC (acetone) was detected above laboratory reporting limits but below AWQSD in the groundwater samples collected. However, acetone is a common laboratory contaminant, not a contaminant of concern, and is not being attributed to a release area at the Subject Property. No other VOCs were detected above laboratory reporting limits.

SVOCs

Several SVOCs were detected in the groundwater samples above laboratory reporting limits but below AWQS. The detected SVOCs are common constituents of fill material and are not are not indicative of a release.

Metals

Two metals (chromium and manganese) were detected at concentrations exceeding the AWQS in MW-2 and one metal (selenium) was detected at a concentration exceeding the AWQS in MW-1. These metals contaminants in groundwater likely arise from the quality of the fill material and are related to regional groundwater quality.

FINDINGS AND CONCLUSIONS

Based on the observations and results of this investigation, we conclude the following:

- The GPR survey identified minor anomalies that were consistent with subsurface utility lines and the known existing UST within the loading dock area; however, anomalies indicative of additional USTs or subsurface structures were not identified.
- No visual or olfactory evidence of petroleum impacts (i.e., staining, elevated PID readings, etc.) was identified as part of the investigation.
- Soil sampling of the soil-lined sump within the Subject Property building's basement showed elevated levels of metals including copper, lead, mercury, selenium, and zinc exceeding the Unrestricted Use SCOs. These metals appear to be constituents of the fill or naturally-occurring soil minerals in native soil and are not indicative of a release.
- Groundwater was encountered at approximately 10.5 feet below sidewalk grade at MW-1 and approximately 8.5 inches below basement grade at MW-2. Based on local topography, groundwater is expected to flow to the south-southeast towards the Long Island Sound. Groundwater can be expected to fluctuate with weather, seasonal conditions, or construction activities such as dewatering.
- Two metals (chromium and manganese) were detected at concentrations exceeding the AWQS in MW-2 and one metal (selenium) was detected at a concentration exceeding the AWQS in MW-1. These metals contaminants in groundwater likely arise from the quality of the fill material and are related to regional groundwater quality.
- This investigation does not constitute a full characterization of the site soils. Considering redevelopment of the Subject Property is likely going to yield a net export of soils, we would recommend a waste characterization sampling program be implemented to

characterize those soils slated for export, and better understand potential soil export premiums during construction.

- As the Subject Property is not currently in a regulatory program and the analytical results do not trigger a reporting requirement, no further action is necessary at this time. However, due to observed access limitations within the basement of the Subject Property, the environmental scope of work was intended for a due diligence level subsurface exploration. As such, additional soil, groundwater, and/or soil vapor sampling may be warranted to confirm our preliminary findings after the existing building is demolished.

LIMITATIONS

This Limited Phase II ESI report was prepared expressly for BRP for the property located at 500 Main Street in New Rochelle, New York and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan. The conclusions and opinions provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by Langan and other professionals. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions.

Should you have any questions regarding the findings presented in this report, please feel free to call us at 203-784-3069.

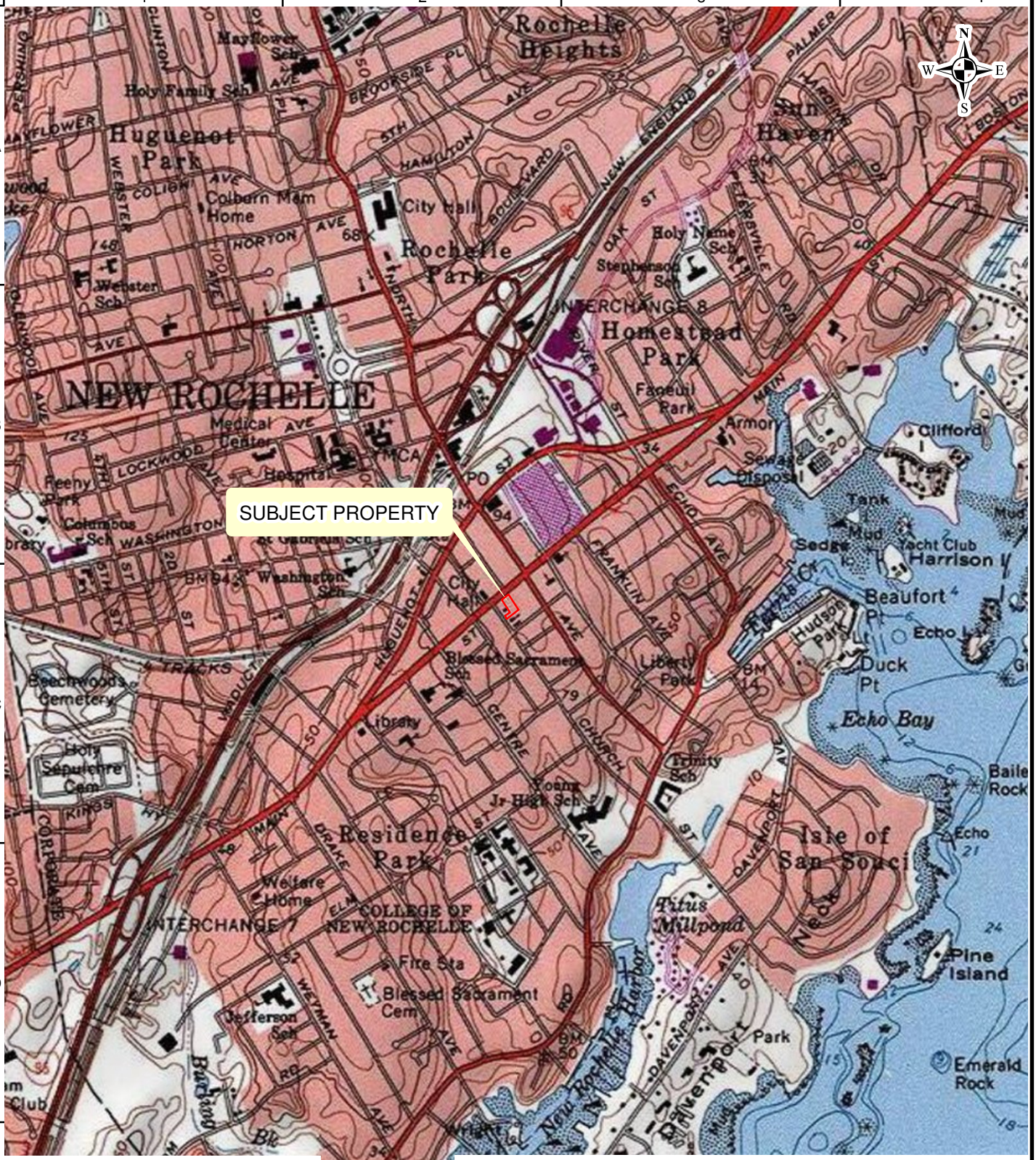
Sincerely,
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Jamie P. Barr, L.E.P.
Senior Associate/Vice President

Ryan Wohlstrom
Senior Project Manager

Enclosures: Table 1 – Sample Summary
Table 2 – Soil Sample Analytical Results
Table 3 – Groundwater Sample Analytical Results
Figure 1 – Site Location Map
Figure 2 – REC Location Map
Figure 3 – Investigation Location Map
Attachment A – Soil Boring Logs
Attachment B – Groundwater Monitoring Well Construction Logs
Attachment C – Groundwater Low-Flow Sampling Logs
Attachment D – Laboratory Analytical Reports with Chain of Custody Data

FIGURES



Notes:
Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online © 2011 National Geographic Society, i-cubed.

LANGAN
555 Long Wharf Drive
New Haven, CT 06511-6107
T: 203.562.5771 F: 203.789.6142 www.langan.com

Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan International LLC

Collectively known as Langan

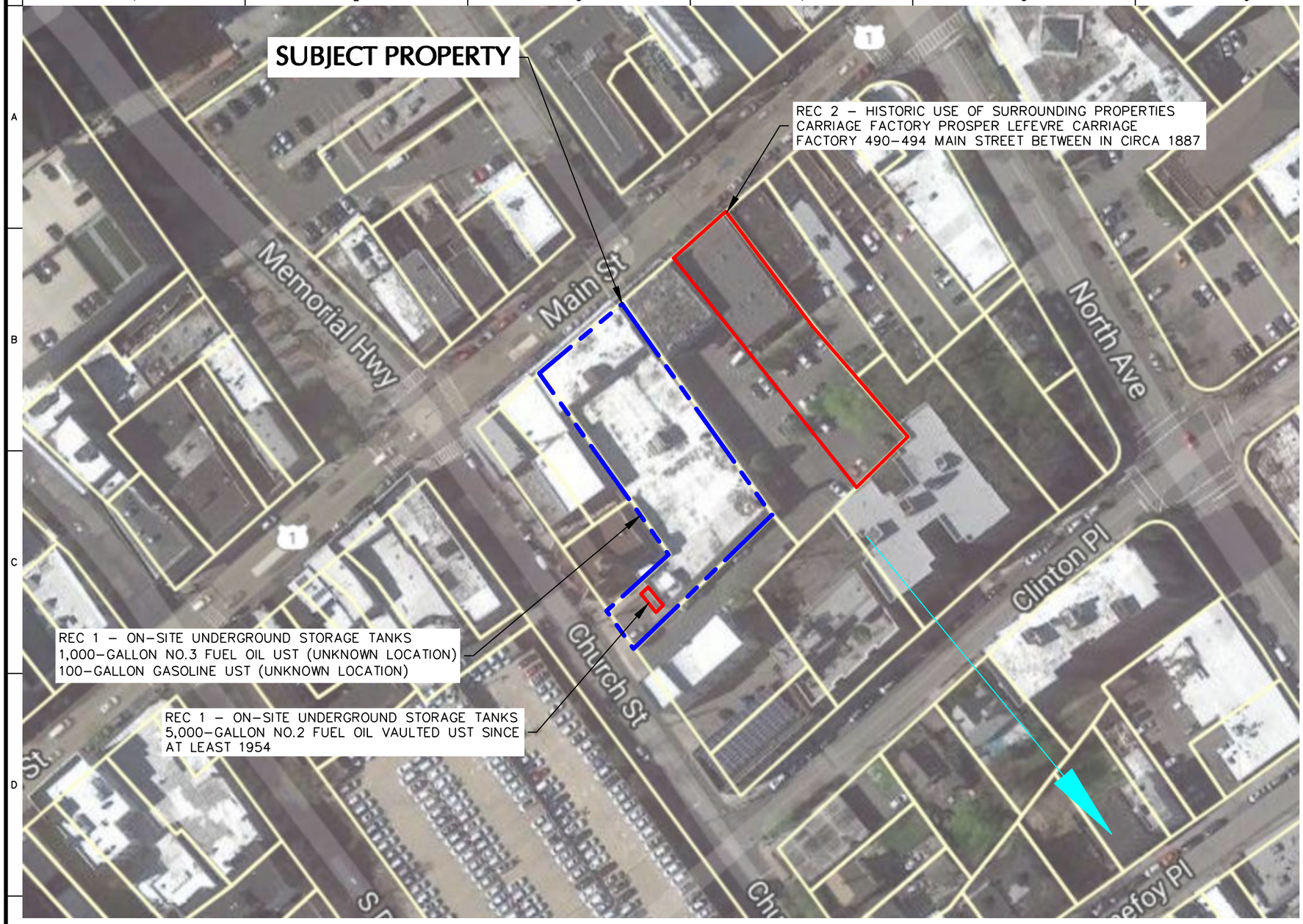
Project
500 MAIN STREET
BLOCK No. 215, LOT No. 12
NEW ROCHELLE
WESTCHESTER COUNTY NEW YORK

Drawing Title
SITE LOCATION MAP

Project No. 140169801	Figure 1
Date OCTOBER 2017	
Scale 1"=2,000'	
Drawn By JPH	
Submission Date OCTOBER 2017	Sheet 1 of 2

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Path: \\langan.com\data\NHV\data8\140169801\Project Data\ArcGIS\APRX\Figure 1 USGS Site Location Map.mxd Date: 10/5/2017 User: jhall Time: 6:12:14 PM



LEGEND

- SUBJECT PROPERTY BOUNDARY
- REC LOCATION
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES

1. BASE MAP WAS TAKEN FROM EDR LIGHTBOX APPLICATION. MAP IMAGERY REFERENCED FROM GOOGLE IMAGERY AND PROPERTY BOUNDARY DETAILS WERE REFERENCED FROM BLUE SKY DIGITAL, NEW YORK GIS.
2. REC = RECOGNIZED ENVIRONMENTAL CONDITION
3. UST = UNDERGROUND STORAGE TANK

100 0 50 100

SCALE IN FEET

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

LANGAN
555 Long Wharf Drive
New Haven, CT 06511
T: 203.562.5771 F: 203.789.6142 www.langan.com
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project
500 MAIN STREET
BLOCK No. 215, LOT No.12
NEW ROCHELLE
WESTCHESTER COUNTY NEW YORK

Drawing Title
REC LOCATION MAP

Project No. 140169801	Drawing No. 2
Date DECEMBER 2017	
Scale 1"=100'	
Drawn By JPH / Checked By RJW	
Submission Date DECEMBER 2017	Sheet 2 of 3

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Filename: \\langan.com\data\NHV\data8\140169801\Project Data\CAD\01\2D-DesignFiles\Phase I ESA\Phase I ESA - Figure 2.dwg Date: 12/12/2017 Time: 15:50 User: jhall Style Table: Langan.stb Layout: ANSIB-BL



LEGEND

- SUBJECT PROPERTY BOUNDARY
- SB-1/MW-1 — SOIL BORING AND MONITORING WELL LOCATIONS
- SUMP — SOIL LINED SUMP SAMPLE LOCATION
- APPROXIMATE LOCATION OF EXISTING UST
- INFERRED GROUNDWATER FLOW DIRECTION

NOTES

1. BASE MAP WAS TAKEN FROM GOOGLE MAPS ON 1 NOVEMBER 2017.
2. SOIL BORING, MONITORING WELLS, SOIL LINED SUMP, AND EXISTING UST LOCATIONS ARE BASED ON FIELD MEASUREMENTS AND ARE APPROXIMATE.
3. UST = UNDERGROUND STORAGE TANK.

40 0 20 40
SCALE IN FEET

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LANGAN
555 Long Wharf Drive
New Haven, CT 06511
T: 203.562.5771 F: 203.789.6142 www.langan.com
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project
500 Main Street
BLOCK No. 215, LOT No. 12
NEW ROCHELLE
WESTCHESTER COUNTY NEW YORK

Drawing Title
INVESTIGATION LOCATION MAP

Project No. 140169801	Drawing No. 3
Date DECEMBER 2017	
Scale 1"=40'	
Drawn By JPH / Checked By RJW	
Submission Date DECEMBER 2017	Sheet 3 of 3

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TABLES

Table 1
Sample Summary
Limited Phase II ESI Report
500 Main Street
New Rochelle, New York
Langan Project No. 140169801

Sample Name	Sample Depth (ft bgs)	Date	Observations[(1)]	PID Reading (ppm)	Observed Depth to Groundwater (ft bgs)	Sample Analyses
Soil Samples						
SB-1 (10'-12')	10 to 12	12-Oct-17	Sand	0.0	10.5	NYSDEC Part 375 VOCs, NYSDEC Part 375 SVOCs, NYSDEC Part 375 Metals
SB-2 (2'-4')	2 to 4	13-Oct-17	Sand	0.0	0.7	
SUMP (0.5'-1')	0.5 to 1	13-Oct-17	Sand	0.0	NA	
2017.10.13-DUPS1 [Parent Sample - SB-1 (10'-12')]	10 to 12	12-Oct-17	Sand	0.0	10.5	
Groundwater Samples						
MW-1	NA	16-Oct-17	GW	0.0	10.5	NYSDEC Part 375 VOCs, NYSDEC Part 375 SVOCs, NYSDEC Part 375 Metals
MW-2	NA	16-Oct-17	GW	0.0	0.7	
2017.10.16-DUPW1 [Parent Sample - MW-1]	NA	16-Oct-17	GW	0.0	10.5	

Notes:
1) Soil types based on field observations.
2) Groundwater depths based on field observations.

Acronyms:
BGS = Below grade surface
GW = Groundwater
NA = Not applicable
NO = Not observed
PID = Photoionization detector
PPM = Parts per million
VOCs = Volatile organic compounds
SVOCs = Semivolatile organic compounds
PCBs = Polychlorinated biphenyls
EPA = United States Environmental Protection Agency

Table 2
Soil Sample Analytical Results
Limited Phase II ESI Report
500 Main Street
New Rochelle, New York
Langan Project No. 140169801

Sample ID Parent Sample Sampling Date Client Matrix	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives-Residential	SB-1 (10'-12') 10/12/2017 Soil		2017.10.13-DUPS1 SB-1 (10'-12') 10/12/2017 Soil		SB-2 (2'-4') 10/13/2017 Soil		Sump (0.5'-1') 10/13/2017 Soil	
Compound			Result	Q	Result	Q	Result	Q	Result	Q
Volatile Organics, NJDEP/TCL/Part 375 List	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1	
2-Butanone	0.12	100	0.0019	U	0.0018	U	0.0019	U	0.0042	J
Acetone	0.05	100	0.0038	U	0.021		0.029		0.049	
cis-1,2-Dichloroethylene	0.25	59	0.0019	U	0.0018	U	0.0019	U	0.0054	J
Semi-Volatiles, NJDEP/TCL/Part 375 List	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			2		2		2		5	
Bis(2-ethylhexyl)phthalate	~	~	0.0461	U	0.0462	U	0.0466	U	4.38	D
Di-n-butyl phthalate	~	~	0.0461	U	0.0462	U	0.0466	U	0.0985	JD
Fluoranthene	100	100	0.0802	JD	0.0462	U	0.0466	U	0.0767	JD
Phenanthrene	100	100	0.0596	JD	0.0462	U	0.0466	U	0.0697	JD
Pyrene	100	100	0.0581	JD	0.0462	U	0.0466	U	0.173	D
Metals, NYSDEC Part 375	mg/Kg	mg/Kg	mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Dilution Factor			1		1		1		1	
Arsenic	13	16	1.1	U	1.11	U	1.27		4.43	
Barium	350	350	81.4		40.2		54.1		217	
Cadmium	2.5	2.5	0.331	U	0.332	U	0.335	U	1.45	
Chromium, Total	~	~	21.9		14.7		16.3		26.6	
Chromium, Hexavalent	1	22	0.552	U	0.553	U	0.558	U	0.654	U
Chromium, Trivalent	30	36	21.9		14.7		16.3		26.6	
Copper	50	270	22.7		15.1		14.9		**187**	
Lead	63	400	7.58		3.87		3.42		**140**	
Manganese	1600	2000	765		305		386		604	
Mercury	0.18	0.81	0.0331	U	0.0332	U	0.0335	U	**0.375**	
Nickel	30	140	29.9		18		16.7		29.2	
Selenium	3.9	36	1.54		1.6		2.14		**5.160**	
Zinc	109	2200	30.8	B	27.5	B	21.7	B	**594**	B

NOTES:
Soil samples were compared to Title 6 of the New York Codes, Rules and Regulations (NYCRR), Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), and Part 375 Restricted Residential SCOs.
Only analytezs with detections are shown in table.
Indicates exceedance of the Unrestricted Use Objectives

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
~=this indicates that no regulatory limit has been established for this analyte

Table 3
Groundwater Sample Analytical Results
Limited Phase II ESI Report
500 Main Street
New Rochelle, New York
Langan Project No. 140169801

Sample ID **Parent Sample** **Sampling Date** **Client Matrix**	**NYSDEC TOGS Standards and Guidance Values - GA**	**MW-1** **10/16/2017** **Water**		**2017.10.16-DUPW1** **MW-1** **10/16/2017** **Water**		**MW-2** **10/16/2017** **Water**	
Compound		Result	Q	Result	Q	Result	Q
Volatile Organics, NJDEP/TCL/Part 375 List	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		1		1		1	
1,2,3-Trichloropropane	0.04	*0.2*	U	*0.2*	U	*0.2*	U
1,2-Dibromo-3-chloropropane	0.04	*0.2*	U	*0.2*	U	*0.2*	U
1,2-Dibromoethane	0.0006	*0.2*	U	*0.2*	U	*0.2*	U
Acetone	50	2.3		1.9	J	4.3	
cis-1,2-Dichloroethylene	5	0.3	J	0.22	J	0.2	U
Semi-Volatiles, NJDEP/TCL/Part 375 List	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		1		1		1	
1,2-Dichlorobenzene	3	2.5	U	*3.03*	U	2.78	U
1,3-Dichlorobenzene	3	2.5	U	*3.03*	U	2.78	U
1,4-Dichlorobenzene	3	2.5	U	*3.03*	U	2.78	U
2,4,5-Trichlorophenol	1	*2.5*	U	*3.03*	U	*2.78*	U
2,4,6-Trichlorophenol	1	*2.5*	U	*3.03*	U	*2.78*	U
2-Chlorophenol	1	*2.5*	U	*3.03*	U	*2.78*	U
2-Methylphenol	1	*2.5*	U	*3.03*	U	*2.78*	U
2-Nitrophenol	1	*2.5*	U	*3.03*	U	*2.78*	U
4-Chloro-3-methylphenol	1	*2.5*	U	*3.03*	U	*2.78*	U
4-Nitrophenol	1	*2.5*	U	*3.03*	U	*2.78*	U
Benzo(a)anthracene	0.002	*0.05*	U	*0.0606*	U	*0.0556*	U
Benzo(a)pyrene	0.002	*0.05*	U	*0.0606*	U	*0.0556*	U
Benzo(b)fluoranthene	0.002	*0.05*	U	*0.0606*	U	*0.0556*	U
Benzo(k)fluoranthene	0.002	*0.05*	U	*0.0606*	U	*0.0556*	U
Bis(2-chloroethyl)ether	1	*2.5*	U	*3.03*	U	*2.78*	U
Chrysene	0.002	*0.05*	U	*0.0606*	U	*0.0556*	U
Fluoranthene	50	0.05	U	0.0606	U	0.156	
Hexachlorobutadiene	0.5	0.5	U	*0.606*	U	*0.556*	U
Indeno(1,2,3-cd)pyrene	0.002	*0.05*	U	*0.0606*	U	*0.0556*	U
Naphthalene	10	0.05	U	0.0606	U	0.0778	
Nitrobenzene	0.4	0.28		0.303	U	0.278	U
Phenanthrene	50	0.05	U	0.0606	U	0.122	
Phenol	1	*2.5*	U	*3.030*	U	*2.78*	U
Pyrene	50	0.05	U	0.0606	U	0.1	
Metals, NYSDEC Part 375	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		1		1		1	
Barium	1000	24		25		465	
Chromium	50	6	U	6	U	**60**	
Chromium, Trivalent	~	10	U	10	U	60	
Copper	200	17	J	17	J	93	B
Lead	25	6	U	6	U	12	
Manganese	300	63		63		**5,110**	
Nickel	100	6	U	6	U	77	
Selenium	10	**15**		*11*	U	*11*	U
Zinc	2000	17	U	17	U	56	

NOTES:

Groundwater samples were compared to the Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA waters

Only analytezs with detections are shown in table.

Indicates exceedance of the NYSDEC TOGS Standards and Guidance Values - GA

Indicates laboratory reporting limits were above the applicable criteria

Q is the Qualifier Column with definitions as follows:

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

NT=this indicates the analyte was not a target for this sample

~=this indicates that no regulatory limit has been established for this analyte

ATTACHMENT A

SOIL BORING LOGS

LANGAN

Log of Boring SB-1 / MW-1 Sheet 1 of 2

Project: 500 Main Street	Project No.: 140169801
Location: New Rochelle, New York	Elevation and Datum: El. 93 NAVD88
Drilling Company: SoilTesting Inc.	Date Started: 10/12/17 — Date Finished: 10/12/17
Drilling Equipment: Truck Mounted Diedrich D-120	Completion Depth: 31 ft — Rock Depth: 22 ft
Size and Type of Bit: 4-1/4" I.D. Hollow Stem Auger	Number of Samples: Disturbed 8 — Undisturbed N/A — Core 2
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 20 — Completion ▼ — 24 HR. ▼ 10.4
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tommy Page
Sampler: 2" O.D. Split Spoon	Inspecting Engineer: Justin Hall
Sampler Hammer: Safety — Weight (lbs): 140 — Drop (in): 30	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+93.0									
	+92.8	2-inch thick Asphalt								
		Dark Brown to Brown c-f SAND, sm. f-gravel, sm. silt [FILL] (dry)	0 0 0		0–1	S-1	SS	5	18 14 5 8	
		Dark Brown to Brown c-f SAND, sm. f-gravel, sm. silt, tr. glass [FILL] (dry)	0 0 0		2–3	S-2	SS	6	50/3	Split spoon refusal. Rock fragments observed on tip of spoon. Auger to 4 feet. Heavy rig chatter from 2'-3" to 3'-6"
		Gray c-f SAND, sm. f-gravel, tr. silt [FILL] (dry)	0 0 0		4–5	S-3	SS	13	26 79 100/1	Split spoon refusal. Rock fragments observed on tip of spoon. Auger to 6 feet. Auger past 6' due to hard augering. Heavy rig chatter from 5' to 7'-6". Smooth drilling from 7'-6" to 8'-0".
	+88.0				6–7					
	+85.0	Gray c-f SAND, sm. f-gravel, tr. silt [FILL] (dry)	0 0 0		8–9	S-4	SS	3	27 78 87 44	Auger walking eastward. Adjust rig to accomodate shift in auger location. Med. Chatter 8'-10'
	+83.0	Brown to Reddish Brown m-f SAND, sm. f-gravel, sm. silt, tr. c-sand [TILL] (moist) ▼	0 0 0		10–11	S-5	SS	9	28 39 38 23	Take Environmental Sample 10'-12' @ 11:15 am.
	+79.0	? ? ? ?			12–13					Auger to 15'. Light to Medium Rig Chatter 12'-15'
		Brown to Reddish Brown c-f SAND, sm. silt, sm. weathreed rock fragments (dry)	0 0 0		15–16	S-6	SS	14	24 57 55 45	
		▽			17–18					Auger to 20' Light to Medium Rig Chatter 17'-20'
					19–20					

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LANGAN

Log of Boring SB-1 / MW-1 Sheet 2 of 2

Project	Project No.
500 Main Street	140169801
Location	**Elevation and Datum**
New Rochelle, New York	El. 93 NAVD88

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Dark Brown f-m SAND, sm. silt, sm. weathered rock fragements (wet)	0 0 0		20 21	S-7	SS	3	100/3	
	+71.0	White to Gray Pelitic Schist [BEDROCK]	0	6 min 2:27 min 4:26 min 5:07 min	22 23 24 25	S-8 Run #1	S NX CORE	0 REC=28"/48" =58%	100/0 RQD=5"/48" =10%	Spoon bouncing @ 20'. Auger to 25'. Auger refusal @ 22'. Start Coring @ 22' for Run # 1
		Gray Pelitic Schist [BEDROCK]		2:04 min 2:37 min 3:01 min 2:38 min 3:27 min	26 27 28 29 30	Run #2	NX CORE	REC=58"/60" =97%	RQD=49"/60" =82%	Rock core jammed. Start Coring @ 26' for Run #2
	+62.0	End of Boring at 31'			31 32 33 34 35 36 37 38 39 40 41 42 43 44 45					End of Core Upon completion, the borehole was converted into a monitoring well.

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Log of Boring SB-2 / MW-2 Sheet 1 of 1

Project: 500 Main Street	Project No.: 140169801
Location: New Rochelle, New York	Elevation and Datum: Assumed El. 79 NAVD-88
Drilling Company: SoilTesting Inc.	Date Started: 10/13/17 — Date Finished: 10/13/17
Drilling Equipment: Tripod	Completion Depth: 5 ft — Rock Depth: 5 ft
Size and Type of Bit: N/A	Number of Samples: Disturbed 3 — Undisturbed — Core
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 2.5 — Completion ▼ 2.5 — 24 HR. ▼ 0.7
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tommy Page
Sampler: 2" O.D. Split Spoon	Inspecting Engineer: Justin Hall
Sampler Hammer: Safety — Weight (lbs): 140 — Drop (in): 30	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+79.0			0					
		14-inch thick Concrete Slab		1					
	+77.8		0		S-1	SS	18	16, 32, 54, 100/3	ENV SAMPLE SB-2 (2'-4') @ 13:30
		Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)	0	2					
		Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)	0	3					
			0		S-2	SS	13	59, 37, 38, 52	
	+74.0		0	4					
		Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)	0	5	S-3	SS	2	200/1	Spoon Refusal @ 5'
				6					
				7					
				8					
				9					
				10					
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

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ATTACHMENT B

GROUNDWATER MONITORING WELL CONSTRUCTION LOGS

LANGAN

WELL CONSTRUCTION SUMMARY
Well No. SB-1 / MW-1

PROJECT	500 Main Street	**PROJECT NO.**	140169801
LOCATION	500 Main Street	**ELEVATION AND DATUM**	93 NAVD 88
DRILLING AGENCY	SoilTesting Inc	**DATE STARTED** 10/12/2017	**DATE FINISHED** 10/12/2017
DRILLING EQUIPMENT	Diedrich D-120	**DRILLER**	Tommy Page
SIZE AND TYPE OF BIT	4-1/4" HAS	**INSPECTOR**	Justin Hall

METHOD OF INSTALLATION

METHOD OF WELL DEVELOPMENT

TYPE OF CASING	**PVC**	**DIAMETER**	2-inches
TYPE OF SCREEN	**PVC**	**DIAMETER**	2-inches
BOREHOLE DIAMETER	**4-1/4"**		

TYPE OF BACKFILL MATERIAL: Clean Sand

TYPE OF SEAL MATERIAL: 3/8" Bentonite Chips

TYPE OF FILTER MATERIAL: Filpro Superior Quartz Filtration Media

TOP OF CURB BOX	**ELEVATION**	**DEPTH (ft)**
el.	93	0
TOP OF BACKFILL	**ELEVATION**	**DEPTH (ft)**
el.	29.5	0.6
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)**
el.	91	2
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)**
el.	89	4
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)**
el.	86	7
BOTTOM OF SCREEN	**ELEVATION**	**DEPTH (ft)**
el.	76	17

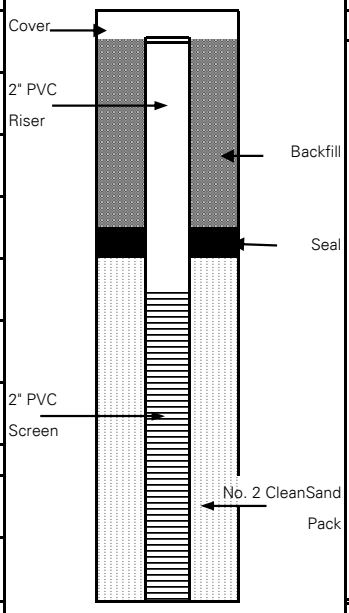
SCREEN LENGTH: 10'

SLOT SIZE: 0.01

GROUNDWATER ELEVATIONS

DATE	ELEVATION	DEPTH TO WATER (ft)
10/13/2017	82.64	10.36
DATE	ELEVATION	DEPTH TO WATER (ft)
DATE	ELEVATION	DEPTH TO WATER (ft)
DATE	ELEVATION	DEPTH TO WATER (ft)
DATE	ELEVATION	DEPTH TO WATER (ft)
DATE	ELEVATION	DEPTH TO WATER (ft)

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
Ground Surface	0.0
	17.0

LANGAN CT, Inc.

WELL CONSTRUCTION SUMMARY

Well No. SB-2 / MW-2

PROJECT	500 Main Street	**PROJECT NO.**	140169801
LOCATION	500 Main Street	**ELEVATION AND DATUM**	79 NAVD 88
DRILLING AGENCY	SoilTesting Inc	**DATE STARTED** 10/13/2017	**DATE FINISHED** 10/13/2017
DRILLING EQUIPMENT	Split Spoon Sampler	**DRILLER**	Tommy Page
SIZE AND TYPE OF BIT	N/A	**INSPECTOR**	Justin Hall

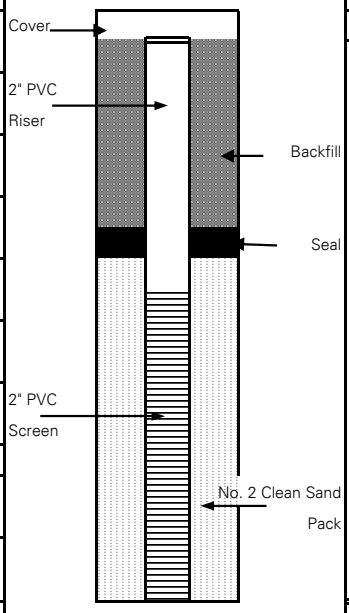
METHOD OF INSTALLATION

METHOD OF WELL DEVELOPMENT

TYPE OF CASING	**PVC**	**DIAMETER**	2-inches	**TYPE OF BACKFILL MATERIAL** Clean Sand
TYPE OF SCREEN	**PVC**	**DIAMETER**	2-inches	**TYPE OF SEAL MATERIAL** Concrete
BOREHOLE DIAMETER	**3-inch**			**TYPE OF FILTER MATERIAL** No. 2 Clean Silica Sand

TOP OF CURB BOX	**ELEVATION** el. 79	**DEPTH (ft)** 0
TOP OF BACKFILL	**ELEVATION** el. N/A	**DEPTH (ft)** N/A
TOP OF SEAL	**ELEVATION** el. 78.66	**DEPTH (ft)** 4-inches
TOP OF FILTER	**ELEVATION** el. 78.33	**DEPTH (ft)** 8-inches
TOP OF SCREEN	**ELEVATION** el. 77.83	**DEPTH (ft)** 14-inches
BOTTOM OF SCREEN	**ELEVATION** el. 74	**DEPTH (ft)** 5
SCREEN LENGTH	4 feet	
SLOT SIZE	0.01	

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	**DEPTH (FT)**
Ground Surface	0.0
	5.0

GROUNDWATER ELEVATIONS

DATE	**ELEVATION**	**DEPTH TO WATER (ft)**
10/13/2017	78.29	0.71
DATE	**ELEVATION**	**DEPTH TO WATER (ft)**
DATE	**ELEVATION**	**DEPTH TO WATER (ft)**
DATE	**ELEVATION**	**DEPTH TO WATER (ft)**
DATE	**ELEVATION**	**DEPTH TO WATER (ft)**
DATE	**ELEVATION**	**DEPTH TO WATER (ft)**

LANGAN CT, Inc.

ATTACHMENT C

GROUNDWATER LOW-FLOW SAMPLING LOGS

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	500 Main Street	**Site Location:**	New Rochelle, New York	**Well No:**	MW-1	**Date:**	10/16/2017
Job Number:	140169801	**Weather:**	Overcast 50s			**Sampling Crew:**	JH
Initial Depth to Water (ft):	10.36	**Well Depth (ft):**	16.80			**Pump Intake Depth (ft):**	13.50

TIME	pH* (std. Units)	COND.* (uS or mS/cm)	DO* (mg/l)	ORP* (mV)	Turbidtiy* (NTU)	TEMP. °C	DTW (ft)	Q (ml/m)	NOTES color, odor etc.
830							10.36	50	Begin Pumping
835	8.90	522	3.68	182.0	1130	19.52	11.07	25	
840	8.99	512	3.86	157.0	378.4	19.47	11.19	25	
845	9.01	510	3.87	157.3	241.9	19.47	11.23	25	
850	9.03	503	3.84	154.3	102.6	19.38		25	
855	9.02	503	3.63	153.0	88.7	19.40		25	
900	9.01	502	3.57	151.1	64.9	19.44		25	
905	9.01	502	3.52	148.4	37.5	19.49	11.81	25	
910	9.00	506	3.46	144.3	37.6	15.41		25	
915	8.98	511	3.33	132.6	36.3	19.55	12.00	25	
920	8.93	517	3.22	122.8	35.0	19.44	12.03	25	Begin Sampling
	+/- 0.1 pH	+/- 3%	+/- 10%	+/-10 mV	<5	+/- 3%	<0.3' draw down		

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

NOTES:

Langan Engineering and Environmental Services, Inc.
555 Long Wharf Drive, New Haven, CT

LANGAN

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	500 Main Street	**Site Location:**	New Rochelle, New York	**Well No:**	MW-2	**Date:**	10/16/2017
Job Number:	140169801	**Weather:**	Overcast 50s			**Sampling Crew:**	JH
Initial Depth to Water (ft):	0.71	**Well Depth (ft):**	4.50			**Pump Intake Depth (ft):**	4.00

TIME	pH* (std. Units)	COND.* (uS or mS/cm)	DO* (mg/l)	ORP* (mV)	Turbidtiy* (NTU)	TEMP. °C	DTW (ft)	Q (ml/m)	NOTES color, odor etc.
1045							0.71	20	Begin Pumping
1050							0.95	20	
1055	10.78	4,865	2.70	-467.1	617.5	20.11	1.29	20	
1100	11.00	4,871	2.62	-374.9	499.0	20.15	1.50	20	
1105	11.13	4,910	3.21	-394.9	1,211.0	20.19	2.50	20	
1110	10.45	4,659	2.52	-524.0	1,174.0	20.21	3.37	20	Begin Sampling
1115								20	Stop Sampling
1120								20	
1125	10.60	4,561	2.47	-410.1	410.0	20.31	2.11	20	Continue Flow Through Cell
1130	10.69	4,491	2.39	-399.7	399.0	20.35	3.01	20	
1135	10.71	4,437	2.33	-388.9	391.0	20.41	3.65	20	
									Continue Sampling
	+/- 0.1 pH	+/- 3%	+/- 10%	+/-10 mV	<5	+/- 3%	<0.3' draw down		

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

NOTES:

Langan Engineering and Environmental Services, Inc.
555 Long Wharf Drive, New Haven, CT

ATTACHMENT D

LABORATORY ANALYTICAL REPORTS WITH CHAIN OF CUSTODY DATA

LANGAN

Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511
Attention: Justin Hall

Report Date: 10/23/2017
Client Project ID: 140169801
York Project (SDG) No.: 17J0602

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 10/23/2017
Client Project ID: 140169801
York Project (SDG) No.: 17J0602

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511
Attention: Justin Hall

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 13, 2017 and listed below. The project was identified as your project: **140169801**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17J0602-01	SB-1 (10'-12')	Soil	10/12/2017	10/13/2017
17J0602-02	SB-2 (2'-4')	Soil	10/13/2017	10/13/2017
17J0602-03	Sump (0.5'-1')	Soil	10/13/2017	10/13/2017
17J0602-04	2017.10.13-DUPS1	Soil	10/13/2017	10/13/2017
17J0602-05	2017.10.13-TB01	Water	10/13/2017	10/13/2017

General Notes for York Project (SDG) No.: 17J0602

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 10/23/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	38	77	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
78-93-3	2-Butanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
591-78-6	2-Hexanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR

Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
67-64-1	Acetone	ND		ug/kg dry	3.8	7.7	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
107-02-8	Acrolein	ND		ug/kg dry	3.8	7.7	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
107-13-1	Acrylonitrile	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
71-43-2	Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
74-97-5	Bromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
75-25-2	Bromoform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
74-83-9	Bromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
75-15-0	Carbon disulfide	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
75-00-3	Chloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
67-66-3	Chloroform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
74-87-3	Chloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
110-82-7	Cyclohexane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
74-95-3	Dibromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR

Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
79-20-9	Methyl acetate	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
75-09-2	Methylene chloride	ND		ug/kg dry	3.8	7.7	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 13:59	SR
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.8	7.7	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 13:59	SR
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
100-42-5	Styrene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 13:59	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
108-88-3	Toluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.8	12	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 13:59	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*99.3 %*	*85-120*

Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: p-Bromofluorobenzene*	*93.9 %*			*76-130*						

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,NJDEP,PADEP	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,NJDEP,PADEP	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,PADEP	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,NJDEP,PADEP	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,PADEP	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,PADEP	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,NJDEP,PADEP	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,NJDEP,PADEP	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
83-32-9	Acenaphthene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,NJDEP,PADEP	KH
62-53-3	Aniline	ND		ug/kg dry	184	368	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,NJDEP,PADEP	KH
120-12-7	Anthracene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,NJDEP,PADEP	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 NELAC-NY10854-CT,NJDEP,PADEP	KH
92-87-5	Benzidine	ND		ug/kg dry	184	368	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,PADEP	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 10:17 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH

Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
105-60-2	Caprolactam	ND		ug/kg dry	92.0	184	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
86-74-8	Carbazole	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
218-01-9	Chrysene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
206-44-0	**Fluoranthene**	**80.2**	J	ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
86-73-7	Fluorene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH

Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
78-59-1	Isophorone	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
91-20-3	Naphthalene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
85-01-8	**Phenanthrene**	**59.6**	J	ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
108-95-2	Phenol	ND		ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH
129-00-0	**Pyrene**	**58.1**	J	ug/kg dry	46.1	92.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:17	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*63.6 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*77.0 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*48.1 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*55.1 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*59.6 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*50.0 %*	*24-116*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.10	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:21	KML
7440-39-3	**Barium**	**81.4**		mg/kg dry	1.10	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:21	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.110	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:21	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.331	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:21	KML
7440-47-3	**Chromium**	**21.9**		mg/kg dry	0.552	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:21	KML

Sample Information

Client Sample ID: SB-1 (10'-12')

York Sample ID: 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	**Copper**	**22.7**		mg/kg dry	0.552	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:21	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7439-92-1	**Lead**	**7.58**		mg/kg dry	0.552	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:21	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7439-96-5	**Manganese**	**765**		mg/kg dry	0.552	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:21	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-02-0	**Nickel**	**29.9**		mg/kg dry	0.552	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:21	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7782-49-2	**Selenium**	**1.54**		mg/kg dry	1.10	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:21	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.552	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:21	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-66-6	**Zinc**	**30.8**	B	mg/kg dry	1.65	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:21	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0331	1	EPA 7473	10/16/2017 15:01	10/16/2017 18:15	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854-CT,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.7**		%	0.100	1	SM 2540G	10/20/2017 10:02	10/20/2017 14:13	TAJ
							Certifications: CTDOH			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.552	1	EPA 7196A	10/20/2017 08:42	10/20/2017 13:38	AD
							Certifications: NJDEP,CTDOH,NELAC-NY10854-CT,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**21.9**		mg/kg	0.500	1	Calculation	10/20/2017 12:14	10/20/2017 15:07	PAM
							Certifications:			

Sample Information

Client Sample ID: SB-1 (10'-12') **York Sample ID:** 17J0602-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 12, 2017 11:15 am	10/13/2017

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.552	1	EPA 9014/9010C Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/20/2017 08:28	10/20/2017 15:36	AD

Sample Information

Client Sample ID: SB-2 (2'-4') **York Sample ID:** 17J0602-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:30 pm	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 07:30	10/18/2017 14:32	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 07:30	10/18/2017 14:32	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 07:30	10/18/2017 14:32	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 07:30	10/18/2017 14:32	SR

Sample Information

Client Sample ID: SB-2 (2'-4') **York Sample ID:** 17J0602-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:30 pm	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	38	76	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SR
78-93-3	2-Butanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
591-78-6	2-Hexanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
67-64-1	**Acetone**	**29**		ug/kg dry	3.8	7.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
107-02-8	Acrolein	ND		ug/kg dry	3.8	7.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
107-13-1	Acrylonitrile	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
71-43-2	Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
74-97-5	Bromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SR
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-25-2	Bromoform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
74-83-9	Bromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-15-0	Carbon disulfide	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-00-3	Chloroethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
67-66-3	Chloroform	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
74-87-3	Chloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 14:32 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR

Sample Information

Client Sample ID: SB-2 (2'-4') **York Sample ID:** 17J0602-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:30 pm	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
110-82-7	Cyclohexane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 14:32	SR
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 14:32	SR
74-95-3	Dibromomethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 14:32	SR
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 14:32	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 14:32	SR
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
79-20-9	Methyl acetate	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 14:32	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 14:32	SR
75-09-2	Methylene chloride	ND		ug/kg dry	3.8	7.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
95-47-6	o-Xylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 14:32	SR
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.8	7.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/18/2017 14:32	SR
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
100-42-5	Styrene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 14:32	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
108-88-3	Toluene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR

Sample Information

Client Sample ID: SB-2 (2'-4') **York Sample ID:** 17J0602-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:30 pm	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.9	3.8	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.7	11	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 14:32	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*97.4 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.0 %*	*76-130*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,PADEP	10/20/2017 11:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,PADEP	10/20/2017 11:07	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,PADEP	10/20/2017 11:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH

Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:30 pm	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
83-32-9	Acenaphthene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
62-53-3	Aniline	ND		ug/kg dry	186	372	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH

Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:30 pm	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
92-87-5	Benzidine	ND		ug/kg dry	186	372	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,PADEP	10/20/2017 11:07	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
105-60-2	Caprolactam	ND		ug/kg dry	93.0	186	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
86-74-8	Carbazole	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
218-01-9	Chrysene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:07	KH

Sample Information

Client Sample ID: SB-2 (2'-4')

York Sample ID: 17J0602-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:30 pm	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 NELAC-NY10854-CT,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
85-01-8	Phenanthrene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
108-95-2	Phenol	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
129-00-0	Pyrene	ND		ug/kg dry	46.6	93.0	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 11:07 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*46.0 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*59.0 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*40.4 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*42.0 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*48.5 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*40.3 %*	*24-116*

Sample Information

Client Sample ID: **SB-2 (2'-4')** **York Sample ID:** **17J0602-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:30 pm	10/13/2017

Metals, NYSDEC Part 375

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**1.27**		mg/kg dry	1.12	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-39-3	**Barium**	**54.1**		mg/kg dry	1.12	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.335	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-47-3	**Chromium**	**16.3**		mg/kg dry	0.558	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-50-8	**Copper**	**14.9**		mg/kg dry	0.558	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7439-92-1	**Lead**	**3.42**		mg/kg dry	0.558	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7439-96-5	**Manganese**	**386**		mg/kg dry	0.558	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-02-0	**Nickel**	**16.7**		mg/kg dry	0.558	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7782-49-2	**Selenium**	**2.14**		mg/kg dry	1.12	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-66-6	**Zinc**	**21.7**	B	mg/kg dry	1.67	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:26	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	1	EPA 7473	10/16/2017 15:01	10/16/2017 18:22	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854-CT,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**89.7**		%	0.100	1	SM 2540G	10/20/2017 10:02	10/20/2017 14:13	TAJ
							Certifications: CTDOH			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: SB-2 (2'-4') **York Sample ID:** 17J0602-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:30 pm	10/13/2017

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.558	1	EPA 7196A	10/20/2017 08:42	10/20/2017 13:38	AD
							Certifications: NJDEP,CTDOH,NELAC-NY10854-CT,PADEP			

Chromium, Trivalent **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**16.3**		mg/kg	0.500	1	Calculation	10/20/2017 12:14	10/20/2017 15:07	PAM
							Certifications:			

Cyanide, Total **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.558	1	EPA 9014/9010C	10/20/2017 08:28	10/20/2017 15:36	AD
							Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: Sump (0.5'-1') **York Sample ID:** 17J0602-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:00 pm	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/19/2017 07:30	10/19/2017 17:25	SS
								Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/19/2017 07:30	10/19/2017 17:25	SS
								Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/19/2017 07:30	10/19/2017 17:25	SS
								Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/19/2017 07:30	10/19/2017 17:25	SS
								Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/19/2017 07:30	10/19/2017 17:25	SS
								Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/19/2017 07:30	10/19/2017 17:25	SS
								Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/19/2017 07:30	10/19/2017 17:25	SS
								Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	10/19/2017 07:30	10/19/2017 17:25	SS
								Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I			

Sample Information

Client Sample ID: **Sump (0.5'-1')** **York Sample ID:** **17J0602-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:00 pm	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	55	110	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SS
78-93-3	**2-Butanone**	**4.2**	J	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
67-64-1	**Acetone**	**49**	SCAL-E	ug/kg dry	5.5	11	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
107-02-8	Acrolein	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30	10/19/2017 17:25 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SS

Sample Information

Client Sample ID: **Sump (0.5'-1')** **York Sample ID:** **17J0602-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:00 pm	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
156-59-2	**cis-1,2-Dichloroethylene**	**5.4**	J	ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/19/2017 17:25	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/19/2017 17:25	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/19/2017 17:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/19/2017 17:25	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/19/2017 17:25	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/19/2017 17:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/19/2017 17:25	SS
75-09-2	Methylene chloride	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/19/2017 17:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.5	11	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/19/2017 17:25	SS

Sample Information

Client Sample ID: Sump (0.5'-1') **York Sample ID:** 17J0602-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:00 pm	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-(	10/19/2017 17:25	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
108-88-3	Toluene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.3	17	1	EPA 8260C Certifications:	10/19/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/19/2017 17:25	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*119 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*119 %*	*76-130*

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,PADEP	10/20/2017 11:56	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH

Sample Information

Client Sample ID: **Sump (0.5'-1')** **York Sample ID:** **17J0602-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:00 pm	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,PADEP	10/20/2017 11:56	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,PADEP	10/20/2017 11:56	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH

Sample Information

Client Sample ID: **Sump (0.5'-1')** **York Sample ID:** **17J0602-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:00 pm	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
83-32-9	Acenaphthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
98-86-2	Acetophenone	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
62-53-3	Aniline	ND		ug/kg dry	218	437	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
120-12-7	Anthracene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
1912-24-9	Atrazine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
92-87-5	Benzidine	ND		ug/kg dry	218	437	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,PADEP	10/20/2017 11:56	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
65-85-0	Benzoic acid	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**4380**		ug/kg dry	137	273	5	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/23/2017 10:37	KH

Sample Information

Client Sample ID: **Sump (0.5'-1')** **York Sample ID:** **17J0602-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:00 pm	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		ug/kg dry	109	218	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
86-74-8	Carbazole	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
218-01-9	Chrysene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
84-74-2	**Di-n-butyl phthalate**	**98.5**	J	ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
206-44-0	**Fluoranthene**	**76.7**	J	ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
86-73-7	Fluorene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
78-59-1	Isophorone	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
91-20-3	Naphthalene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	54.7	109	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 11:56	KH

Sample Information

Client Sample ID: **Sump (0.5'-1')** **York Sample ID:** **17J0602-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:00 pm	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	**Phenanthrene**	**69.7**	J	ug/kg dry	54.7	109	2	EPA 8270D	10/19/2017 07:40	10/20/2017 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/kg dry	54.7	109	2	EPA 8270D	10/19/2017 07:40	10/20/2017 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
129-00-0	**Pyrene**	**173**		ug/kg dry	54.7	109	2	EPA 8270D	10/19/2017 07:40	10/20/2017 11:56	KH
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*76.6 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*88.5 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*63.1 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*59.8 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*70.7 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*45.0 %*	*24-116*

Metals, NYSDEC Part 375

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	**Arsenic**	**4.43**		mg/kg dry	1.31	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7440-39-3	**Barium**	**217**		mg/kg dry	1.31	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.131	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.45**		mg/kg dry	0.392	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7440-47-3	**Chromium**	**26.6**		mg/kg dry	0.654	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7440-50-8	**Copper**	**187**		mg/kg dry	0.654	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7439-92-1	**Lead**	**140**		mg/kg dry	0.654	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7439-96-5	**Manganese**	**604**		mg/kg dry	0.654	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7440-02-0	**Nickel**	**29.2**		mg/kg dry	0.654	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7782-49-2	**Selenium**	**5.16**		mg/kg dry	1.31	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.654	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		
7440-66-6	**Zinc**	**594**	B	mg/kg dry	1.96	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:31	KML
							Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,PADEP		

Sample Information

Client Sample ID: **Sump (0.5'-1')** **York Sample ID:** **17J0602-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 1:00 pm	10/13/2017

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.375**		mg/kg dry	0.0392	1	EPA 7473	10/16/2017 15:01	10/16/2017 18:31	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854-CT,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**76.5**		%	0.100	1	SM 2540G	10/20/2017 10:02	10/20/2017 14:13	TAJ
							Certifications: CTDOH			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.654	1	EPA 7196A	10/20/2017 08:42	10/20/2017 13:38	AD
							Certifications: NJDEP,CTDOH,NELAC-NY10854-CT,PADEP			

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**26.6**		mg/kg	0.500	1	Calculation	10/20/2017 12:14	10/20/2017 15:07	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.654	1	EPA 9014/9010C	10/20/2017 08:28	10/20/2017 15:36	AD
							Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: **2017.10.13-DUPS1** **York Sample ID:** **17J0602-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: 2017.10.13-DUPS1 **York Sample ID:** 17J0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
123-91-1	1,4-Dioxane	ND		ug/kg dry	36	71	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	SR
78-93-3	2-Butanone	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
591-78-6	2-Hexanone	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
67-64-1	**Acetone**	**21**		ug/kg dry	3.6	7.1	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR

Sample Information

Client Sample ID: 2017.10.13-DUPS1 **York Sample ID:** 17J0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/kg dry	3.6	7.1	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
107-13-1	Acrylonitrile	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
71-43-2	Benzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
74-97-5	Bromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 15:39	SR
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
75-25-2	Bromoform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
74-83-9	Bromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
75-15-0	Carbon disulfide	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
108-90-7	Chlorobenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
75-00-3	Chloroethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
67-66-3	Chloroform	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
74-87-3	Chloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
110-82-7	Cyclohexane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 15:39	SR
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 15:39	SR
74-95-3	Dibromomethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 15:39	SR
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 15:39	SR
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 15:39	SR
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/18/2017 15:39	SR
79-20-9	Methyl acetate	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/18/2017 15:39	SR

Sample Information

Client Sample ID: 2017.10.13-DUPS1 **York Sample ID:** 17J0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-(	SR
75-09-2	Methylene chloride	ND		ug/kg dry	3.6	7.1	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
95-47-6	o-Xylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	SR
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.6	7.1	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	SR
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
100-42-5	Styrene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-(	SR
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
108-88-3	Toluene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
79-01-6	Trichloroethylene	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.8	3.6	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.4	11	1	EPA 8260C Certifications:	10/18/2017 07:30	10/18/2017 15:39 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*113 %*	*77-125*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*85-120*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.9 %*	*76-130*

Sample Information

Client Sample ID: 2017.10.13-DUPS1 **York Sample ID:** 17J0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications: NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 07:40	10/20/2017 12:45	KH

Sample Information

Client Sample ID: 2017.10.13-DUPS1 **York Sample ID:** 17J0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
83-32-9	Acenaphthene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
98-86-2	Acetophenone	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
62-53-3	Aniline	ND		ug/kg dry	185	369	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
120-12-7	Anthracene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
1912-24-9	Atrazine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
92-87-5	Benzidine	ND		ug/kg dry	185	369	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,PADEP	10/20/2017 12:45	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
65-85-0	Benzoic acid	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH

Sample Information

Client Sample ID: 2017.10.13-DUPS1 **York Sample ID:** 17J0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/kg dry	92.2	184	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 NELAC-NY10854-CT,NJDEP,PADEP	KH
86-74-8	Carbazole	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
218-01-9	Chrysene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 NELAC-NY10854-CT,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH
91-20-3	Naphthalene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40	10/20/2017 12:45 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	KH

Sample Information

Client Sample ID: 2017.10.13-DUPS1 **York Sample ID:** 17J0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
85-01-8	Phenanthrene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
108-95-2	Phenol	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH
129-00-0	Pyrene	ND		ug/kg dry	46.2	92.2	2	EPA 8270D Certifications:	10/19/2017 07:40 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 12:45	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*52.0 %*	*20-108*
4165-62-2	*Surrogate: Phenol-d5*	*62.1 %*	*23-114*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*42.3 %*	*22-108*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*54.9 %*	*21-113*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*55.4 %*	*19-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*44.8 %*	*24-116*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.11	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:36	KML
7440-39-3	**Barium**	**40.2**		mg/kg dry	1.11	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:36	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.111	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:36	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:36	KML
7440-47-3	**Chromium**	**14.7**		mg/kg dry	0.553	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:36	KML
7440-50-8	**Copper**	**15.1**		mg/kg dry	0.553	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:36	KML
7439-92-1	**Lead**	**3.87**		mg/kg dry	0.553	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:36	KML
7439-96-5	**Manganese**	**305**		mg/kg dry	0.553	1	EPA 6010C Certifications:	10/18/2017 11:09 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 06:36	KML

Sample Information

Client Sample ID: 2017.10.13-DUPS1 **York Sample ID:** 17J0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Metals, NYSDEC Part 375

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	**Nickel**	**18.0**		mg/kg dry	0.553	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:36	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7782-49-2	**Selenium**	**1.60**		mg/kg dry	1.11	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:36	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:36	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-66-6	**Zinc**	**27.5**	B	mg/kg dry	1.66	1	EPA 6010C	10/18/2017 11:09	10/19/2017 06:36	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0332	1	EPA 7473	10/16/2017 15:01	10/16/2017 18:40	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854-CT,PADEP			

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**90.5**		%	0.100	1	SM 2540G	10/20/2017 10:02	10/20/2017 14:13	TAJ
							Certifications: CTDOH			

Chromium, Hexavalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.553	1	EPA 7196A	10/20/2017 08:42	10/20/2017 13:38	AD
							Certifications: NJDEP,CTDOH,NELAC-NY10854-CT,PADEP			

Chromium, Trivalent

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**14.7**		mg/kg	0.500	1	Calculation	10/20/2017 12:14	10/20/2017 15:07	PAM
							Certifications:			

Cyanide, Total

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.553	1	EPA 9014/9010C	10/20/2017 08:28	10/20/2017 15:36	AD
							Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 2017.10.13-DUPS1 **York Sample ID:** 17J0602-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Soil	October 13, 2017 12:00 am	10/13/2017

Sample Information

Client Sample ID: 2017.10.13-TB01 **York Sample ID:** 17J0602-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Water	October 13, 2017 12:00 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR

Sample Information

Client Sample ID: 2017.10.13-TB01 **York Sample ID:** 17J0602-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Water	October 13, 2017 12:00 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
67-64-1	**Acetone**	**1.9**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR

Sample Information

Client Sample ID: 2017.10.13-TB01 **York Sample ID:** 17J0602-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Water	October 13, 2017 12:00 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/16/2017 15:33	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/16/2017 15:33	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/16/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-I	10/16/2017 15:33	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR

Sample Information

Client Sample ID: 2017.10.13-TB01 **York Sample ID:** 17J0602-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0602	140169801	Water	October 13, 2017 12:00 am	10/13/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	10/16/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/16/2017 15:33	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.1 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*85.2 %*	*79-122*

Analytical Batch Summary

Batch ID: BJ70783 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-05	2017.10.13-TB01	10/16/17
BJ70783-BLK1	Blank	10/16/17
BJ70783-BS1	LCS	10/16/17
BJ70783-BSD1	LCS Dup	10/16/17

Batch ID: BJ70818 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/16/17
17J0602-02	SB-2 (2'-4')	10/16/17
17J0602-03	Sump (0.5'-1')	10/16/17
17J0602-04	2017.10.13-DUPS1	10/16/17
BJ70818-BLK1	Blank	10/16/17
BJ70818-SRM1	Reference	10/16/17

Batch ID: BJ70939 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/18/17
17J0602-02	SB-2 (2'-4')	10/18/17
17J0602-04	2017.10.13-DUPS1	10/18/17
BJ70939-BLK1	Blank	10/18/17
BJ70939-BLK2	Blank	10/18/17
BJ70939-BS1	LCS	10/18/17
BJ70939-BSD1	LCS Dup	10/18/17

Batch ID: BJ70963 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/18/17
17J0602-02	SB-2 (2'-4')	10/18/17
17J0602-03	Sump (0.5'-1')	10/18/17
17J0602-04	2017.10.13-DUPS1	10/18/17
BJ70963-BLK1	Blank	10/18/17
BJ70963-SRM1	Reference	10/18/17

Batch ID: BJ71020 **Preparation Method:** EPA 3550C **Prepared By:** SGM

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/19/17
17J0602-02	SB-2 (2'-4')	10/19/17
17J0602-03	Sump (0.5'-1')	10/19/17
17J0602-03RE1	Sump (0.5'-1')	10/19/17

17J0602-04	2017.10.13-DUPS1	10/19/17
BJ71020-BLK1	Blank	10/19/17
BJ71020-BS1	LCS	10/19/17

Batch ID: BJ71028 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-03	Sump (0.5'-1')	10/19/17
BJ71028-BLK1	Blank	10/19/17
BJ71028-BS1	LCS	10/19/17
BJ71028-BSD1	LCS Dup	10/19/17

Batch ID: BJ71111 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/20/17
17J0602-02	SB-2 (2'-4')	10/20/17
17J0602-03	Sump (0.5'-1')	10/20/17
17J0602-04	2017.10.13-DUPS1	10/20/17
BJ71111-BLK1	Blank	10/20/17
BJ71111-DUP1	Duplicate	10/20/17
BJ71111-MS1	Matrix Spike	10/20/17
BJ71111-SRM1	Reference	10/20/17

Batch ID: BJ71112 **Preparation Method:** EPA SW846-3060 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/20/17
17J0602-02	SB-2 (2'-4')	10/20/17
17J0602-03	Sump (0.5'-1')	10/20/17
17J0602-04	2017.10.13-DUPS1	10/20/17
BJ71112-BLK1	Blank	10/20/17
BJ71112-DUP1	Duplicate	10/20/17
BJ71112-MS1	Matrix Spike	10/20/17
BJ71112-SRM1	Reference	10/20/17

Batch ID: BJ71122 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/20/17
17J0602-02	SB-2 (2'-4')	10/20/17
17J0602-03	Sump (0.5'-1')	10/20/17
17J0602-04	2017.10.13-DUPS1	10/20/17

Batch ID: BJ71139 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
17J0602-01	SB-1 (10'-12')	10/20/17

17J0602-02	SB-2 (2'-4')	10/20/17
17J0602-03	Sump (0.5'-1')	10/20/17
17J0602-04	2017.10.13-DUPS1	10/20/17

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70783 - EPA 5030B											
Blank (BJ70783-BLK1)									Prepared & Analyzed: 10/16/2017		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70783 - EPA 5030B											
Blank (BJ70783-BLK1)								Prepared & Analyzed: 10/16/2017			
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: Toluene-d8	*9.85*		*"*	*10.0*		*98.5*	*81-117*				
Surrogate: p-Bromofluorobenzene	*8.77*		*"*	*10.0*		*87.7*	*79-122*				
LCS (BJ70783-BS1)								Prepared & Analyzed: 10/16/2017			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		110	82-126				
1,1,1-Trichloroethane	11		"	10.0		112	78-136				
1,1,2,2-Tetrachloroethane	9.3		"	10.0		93.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		117	54-165				
1,1,2-Trichloroethane	10		"	10.0		99.7	82-123				
1,1-Dichloroethane	11		"	10.0		111	82-129				
1,1-Dichloroethylene	11		"	5.00		221	68-138	High Bias			
1,2,3-Trichlorobenzene	20		"	10.0		200	76-136	High Bias			
1,2,3-Trichloropropane	9.0		"	10.0		89.9	77-128				
1,2,4-Trichlorobenzene	17		"	10.0		165	76-137	High Bias			
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147				
1,2-Dibromoethane	10		"	10.0		100	83-124				
1,2-Dichlorobenzene	10		"	10.0		103	79-123				
1,2-Dichloroethane	11		"	10.0		107	73-132				
1,2-Dichloropropane	10		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	9.8		"	10.0		97.7	80-131				
1,3-Dichlorobenzene	10		"	10.0		104	86-122				
1,4-Dichlorobenzene	8.2		"	10.0		82.2	85-124	Low Bias			
1,4-Dioxane	86		"	200		42.9	10-349				
2-Butanone	6.8		"	10.0		68.4	49-152				
2-Hexanone	10		"	10.0		101	51-146				
4-Methyl-2-pentanone	10		"	10.0		104	57-145				
Acetone	9.4		"	10.0		94.0	14-150				
Acrolein	7.6		"	10.0		75.6	10-153				
Acrylonitrile	9.6		"	10.0		96.5	51-150				
Benzene	11		"	10.0		108	85-126				
Bromochloromethane	12		"	10.0		116	77-128				
Bromodichloromethane	10		"	10.0		104	79-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70783 - EPA 5030B											
LCS (BJ70783-BS1)								Prepared & Analyzed: 10/16/2017			
Bromoform	10		ug/L	10.0		103	78-133				
Bromomethane	8.2		"	10.0		81.9	43-168				
Carbon disulfide	10		"	10.0		104	68-146				
Carbon tetrachloride	12		"	10.0		116	77-141				
Chlorobenzene	11		"	10.0		107	88-120				
Chloroethane	12		"	10.0		115	65-136				
Chloroform	11		"	10.0		106	82-128				
Chloromethane	9.3		"	10.0		93.2	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131				
Cyclohexane	13		"	10.0		126	63-149				
Dibromochloromethane	10		"	10.0		103	80-130				
Dibromomethane	9.9		"	10.0		98.8	72-134				
Dichlorodifluoromethane	14		"	10.0		138	44-144				
Ethyl Benzene	11		"	10.0		112	80-131				
Hexachlorobutadiene	26		"	10.0		258	67-146	High Bias			
Isopropylbenzene	10		"	10.0		104	76-140				
Methyl acetate	10		"	10.0		103	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		104	76-135				
Methylcyclohexane	11		"	10.0		108	72-143				
Methylene chloride	11		"	10.0		107	55-137				
n-Butylbenzene	11		"	10.0		110	79-132				
n-Propylbenzene	10		"	10.0		104	78-133				
o-Xylene	11		"	10.0		109	78-130				
p- & m- Xylenes	23		"	20.0		115	77-133				
p-Isopropyltoluene	11		"	10.0		105	81-136				
sec-Butylbenzene	10		"	10.0		102	79-137				
Styrene	11		"	10.0		110	67-132				
tert-Butyl alcohol (TBA)	5.6		"	10.0		55.9	25-162				
tert-Butylbenzene	9.9		"	10.0		99.1	77-138				
Tetrachloroethylene	11		"	10.0		110	82-131				
Toluene	11		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		107	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131				
Trichloroethylene	10		"	10.0		103	82-128				
Trichlorofluoromethane	12		"	10.0		124	67-139				
Vinyl Chloride	12		"	10.0		118	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.85*		*"*	*10.0*		*98.5*	*69-130*				
Surrogate: Toluene-d8	*9.83*		*"*	*10.0*		*98.3*	*81-117*				
Surrogate: p-Bromofluorobenzene	*8.82*		*"*	*10.0*		*88.2*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70783 - EPA 5030B											
LCS Dup (BJ70783-BSD1)								Prepared & Analyzed: 10/16/2017			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		113	82-126		3.50	30	
1,1,1-Trichloroethane	12		"	10.0		116	78-136		2.81	30	
1,1,2,2-Tetrachloroethane	9.5		"	10.0		95.1	76-129		1.91	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		120	54-165		1.94	30	
1,1,2-Trichloroethane	11		"	10.0		107	82-123		6.69	30	
1,1-Dichloroethane	11		"	10.0		114	82-129		3.20	30	
1,1-Dichloroethylene	11		"	5.00		227	68-138	High Bias	2.50	30	
1,2,3-Trichlorobenzene	20		"	10.0		201	76-136	High Bias	0.598	30	
1,2,3-Trichloropropane	9.1		"	10.0		90.7	77-128		0.886	30	
1,2,4-Trichlorobenzene	17		"	10.0		169	76-137	High Bias	2.28	30	
1,2,4-Trimethylbenzene	10		"	10.0		100	82-132		1.29	30	
1,2-Dibromo-3-chloropropane	11		"	10.0		105	45-147		2.01	30	
1,2-Dibromoethane	10		"	10.0		105	83-124		4.39	30	
1,2-Dichlorobenzene	10		"	10.0		103	79-123		0.680	30	
1,2-Dichloroethane	11		"	10.0		114	73-132		5.70	30	
1,2-Dichloropropane	11		"	10.0		106	78-126		2.67	30	
1,3,5-Trimethylbenzene	9.6		"	10.0		95.9	80-131		1.86	30	
1,3-Dichlorobenzene	10		"	10.0		102	86-122		0.971	30	
1,4-Dichlorobenzene	9.9		"	10.0		99.4	85-124		18.9	30	
1,4-Dioxane	110		"	200		54.7	10-349		24.3	30	
2-Butanone	7.5		"	10.0		74.7	49-152		8.81	30	
2-Hexanone	11		"	10.0		109	51-146		8.02	30	
4-Methyl-2-pentanone	11		"	10.0		111	57-145		6.49	30	
Acetone	10		"	10.0		101	14-150		7.57	30	
Acrolein	8.2		"	10.0		81.9	10-153		8.00	30	
Acrylonitrile	11		"	10.0		106	51-150		9.19	30	
Benzene	11		"	10.0		111	85-126		3.38	30	
Bromochloromethane	12		"	10.0		122	77-128		5.46	30	
Bromodichloromethane	11		"	10.0		107	79-128		2.85	30	
Bromoform	11		"	10.0		108	78-133		4.36	30	
Bromomethane	8.4		"	10.0		84.1	43-168		2.65	30	
Carbon disulfide	11		"	10.0		106	68-146		1.90	30	
Carbon tetrachloride	12		"	10.0		119	77-141		2.81	30	
Chlorobenzene	11		"	10.0		109	88-120		1.95	30	
Chloroethane	12		"	10.0		119	65-136		2.99	30	
Chloroform	11		"	10.0		111	82-128		4.52	30	
Chloromethane	9.6		"	10.0		95.6	43-155		2.54	30	
cis-1,2-Dichloroethylene	11		"	10.0		110	83-129		3.87	30	
cis-1,3-Dichloropropylene	11		"	10.0		106	80-131		3.55	30	
Cyclohexane	13		"	10.0		130	63-149		2.58	30	
Dibromochloromethane	11		"	10.0		109	80-130		5.18	30	
Dibromomethane	10		"	10.0		103	72-134		4.45	30	
Dichlorodifluoromethane	14		"	10.0		142	44-144		2.78	30	
Ethyl Benzene	11		"	10.0		114	80-131		2.04	30	
Hexachlorobutadiene	27		"	10.0		270	67-146	High Bias	4.31	30	
Isopropylbenzene	10		"	10.0		102	76-140		1.75	30	
Methyl acetate	11		"	10.0		111	51-139		6.83	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		113	76-135		7.73	30	
Methylcyclohexane	11		"	10.0		110	72-143		1.47	30	
Methylene chloride	11		"	10.0		112	55-137		4.58	30	
n-Butylbenzene	11		"	10.0		108	79-132		1.56	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70783 - EPA 5030B											
LCS Dup (BJ70783-BSD1)								Prepared & Analyzed: 10/16/2017			
n-Propylbenzene	10		ug/L	10.0		102	78-133		2.42	30	
o-Xylene	11		"	10.0		112	78-130		2.62	30	
p- & m- Xylenes	23		"	20.0		117	77-133		2.24	30	
p-Isopropyltoluene	10		"	10.0		103	81-136		1.73	30	
sec-Butylbenzene	10		"	10.0		99.6	79-137		2.87	30	
Styrene	11		"	10.0		115	67-132		3.82	30	
tert-Butyl alcohol (TBA)	6.0		"	10.0		60.1	25-162		7.24	30	
tert-Butylbenzene	9.7		"	10.0		96.7	77-138		2.45	30	
Tetrachloroethylene	11		"	10.0		112	82-131		1.71	30	
Toluene	11		"	10.0		110	80-127		2.29	30	
trans-1,2-Dichloroethylene	11		"	10.0		111	80-132		3.76	30	
trans-1,3-Dichloropropylene	11		"	10.0		106	78-131		4.06	30	
Trichloroethylene	11		"	10.0		105	82-128		2.60	30	
Trichlorofluoromethane	13		"	10.0		127	67-139		2.31	30	
Vinyl Chloride	12		"	10.0		122	58-145		2.92	30	
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: Toluene-d8	*9.82*		*"*	*10.0*		*98.2*	*81-117*				
Surrogate: p-Bromofluorobenzene	*8.64*		*"*	*10.0*		*86.4*	*79-122*				
Batch BJ70939 - EPA 5035A											
Blank (BJ70939-BLK1)								Prepared & Analyzed: 10/18/2017			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70939 - EPA 5035A											
Blank (BJ70939-BLK1)											
Prepared & Analyzed: 10/18/2017											
Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*53.0*		*ug/L*	*50.0*		*106*	*77-125*				
Surrogate: Toluene-d8	*49.0*		*"*	*50.0*		*98.0*	*85-120*				
Surrogate: p-Bromofluorobenzene	*48.8*		*"*	*50.0*		*97.7*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70939 - EPA 5035A											
Blank (BJ70939-BLK2)											
Prepared & Analyzed: 10/18/2017											
1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
1,4-Dioxane	ND	10000	"								
2-Butanone	ND	500	"								
2-Hexanone	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrolein	ND	1000	"								
Acrylonitrile	ND	500	"								
Benzene	ND	500	"								
Bromochloromethane	ND	500	"								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Cyclohexane	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl acetate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methylcyclohexane	ND	500	"								
Methylene chloride	ND	1000	"								
n-Butylbenzene	ND	500	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70939 - EPA 5035A											
Blank (BJ70939-BLK2)								Prepared & Analyzed: 10/18/2017			
n-Propylbenzene	ND	500	ug/kg wet								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	ND	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								
Surrogate: 1,2-Dichloroethane-d4	*55.1*		*ug/L*	*50.0*		*110*	*77-125*				
Surrogate: Toluene-d8	*47.3*		*"*	*50.0*		*94.5*	*85-120*				
Surrogate: p-Bromofluorobenzene	*46.7*		*"*	*50.0*		*93.3*	*76-130*				
LCS (BJ70939-BS1)								Prepared & Analyzed: 10/18/2017			
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		109	75-129				
1,1,1-Trichloroethane	54		"	50.0		109	71-137				
1,1,2,2-Tetrachloroethane	55		"	50.0		110	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		107	58-146				
1,1,2-Trichloroethane	53		"	50.0		106	83-123				
1,1-Dichloroethane	52		"	50.0		105	75-130				
1,1-Dichloroethylene	52		"	25.0		209	64-137	High Bias			
1,2,3-Trichlorobenzene	56		"	50.0		111	81-140				
1,2,3-Trichloropropane	57		"	50.0		115	81-126				
1,2,4-Trichlorobenzene	61		"	50.0		123	80-141				
1,2,4-Trimethylbenzene	54		"	50.0		108	84-125				
1,2-Dibromo-3-chloropropane	55		"	50.0		109	74-142				
1,2-Dibromoethane	53		"	50.0		107	86-123				
1,2-Dichlorobenzene	55		"	50.0		111	85-122				
1,2-Dichloroethane	51		"	50.0		102	71-133				
1,2-Dichloropropane	52		"	50.0		104	81-122				
1,3,5-Trimethylbenzene	52		"	50.0		105	82-126				
1,3-Dichlorobenzene	56		"	50.0		112	84-124				
1,4-Dichlorobenzene	56		"	50.0		111	84-124				
1,4-Dioxane	1000		"	1000		101	10-228				
2-Butanone	75		"	50.0		149	58-147	High Bias			
2-Hexanone	50		"	50.0		99.3	70-139				
4-Methyl-2-pentanone	54		"	50.0		109	72-132				
Acetone	39		"	50.0		78.6	36-155				
Acrolein	51		"	50.0		101	10-238				
Acrylonitrile	49		"	50.0		98.6	66-141				
Benzene	48		"	50.0		96.9	77-127				
Bromochloromethane	52		"	50.0		103	74-129				
Bromodichloromethane	54		"	50.0		107	81-124				
Bromoform	57		"	50.0		114	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70939 - EPA 5035A											
LCS (BJ70939-BS1)								Prepared & Analyzed: 10/18/2017			
Bromomethane	45		ug/L	50.0		90.8	32-177				
Carbon disulfide	46		"	50.0		91.8	10-136				
Carbon tetrachloride	55		"	50.0		109	66-143				
Chlorobenzene	54		"	50.0		108	86-120				
Chloroethane	50		"	50.0		99.6	51-142				
Chloroform	51		"	50.0		103	76-131				
Chloromethane	50		"	50.0		101	49-132				
cis-1,2-Dichloroethylene	49		"	50.0		98.8	74-132				
cis-1,3-Dichloropropylene	54		"	50.0		108	81-129				
Cyclohexane	57		"	50.0		114	70-130				
Dibromochloromethane	55		"	50.0		111	10-200				
Dibromomethane	53		"	50.0		106	83-124				
Dichlorodifluoromethane	52		"	50.0		105	28-158				
Ethyl Benzene	54		"	50.0		107	84-125				
Hexachlorobutadiene	51		"	50.0		103	83-133				
Isopropylbenzene	53		"	50.0		106	81-127				
Methyl acetate	67		"	50.0		135	41-143				
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.2	74-131				
Methylcyclohexane	53		"	50.0		105	70-130				
Methylene chloride	49		"	50.0		97.8	57-141				
n-Butylbenzene	58		"	50.0		115	80-130				
n-Propylbenzene	54		"	50.0		108	74-136				
o-Xylene	54		"	50.0		108	83-123				
p- & m- Xylenes	110		"	100		105	82-128				
p-Isopropyltoluene	56		"	50.0		111	85-125				
sec-Butylbenzene	55		"	50.0		111	83-125				
Styrene	52		"	50.0		105	86-126				
tert-Butyl alcohol (TBA)	64		"	50.0		129	70-130				
tert-Butylbenzene	53		"	50.0		107	80-127				
Tetrachloroethylene	49		"	50.0		98.4	80-129				
Toluene	54		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	48		"	50.0		96.1	72-132				
trans-1,3-Dichloropropylene	55		"	50.0		111	78-132				
Trichloroethylene	52		"	50.0		104	84-123				
Trichlorofluoromethane	50		"	50.0		99.7	62-140				
Vinyl Chloride	46		"	50.0		92.9	52-130				
Surrogate: 1,2-Dichloroethane-d4	*52.0*		*"*	*50.0*		*104*	*77-125*				
Surrogate: Toluene-d8	*49.4*		*"*	*50.0*		*98.9*	*85-120*				
Surrogate: p-Bromofluorobenzene	*48.7*		*"*	*50.0*		*97.3*	*76-130*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70939 - EPA 5035A											
LCS Dup (BJ70939-BSD1)								Prepared & Analyzed: 10/18/2017			
1,1,1,2-Tetrachloroethane	53		ug/L	50.0		107	75-129		2.12	30	
1,1,1-Trichloroethane	49		"	50.0		98.9	71-137		9.32	30	
1,1,2,2-Tetrachloroethane	53		"	50.0		105	79-129		4.13	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		104	58-146		2.72	30	
1,1,2-Trichloroethane	53		"	50.0		107	83-123		0.433	30	
1,1-Dichloroethane	51		"	50.0		101	75-130		3.46	30	
1,1-Dichloroethylene	44		"	25.0		177	64-137	High Bias	16.4	30	
1,2,3-Trichlorobenzene	56		"	50.0		111	81-140		0.108	30	
1,2,3-Trichloropropane	58		"	50.0		117	81-126		1.97	30	
1,2,4-Trichlorobenzene	58		"	50.0		117	80-141		5.15	30	
1,2,4-Trimethylbenzene	50		"	50.0		101	84-125		6.71	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		109	74-142		0.367	30	
1,2-Dibromoethane	51		"	50.0		103	86-123		3.75	30	
1,2-Dichlorobenzene	55		"	50.0		109	85-122		1.11	30	
1,2-Dichloroethane	52		"	50.0		104	71-133		2.00	30	
1,2-Dichloropropane	49		"	50.0		98.7	81-122		5.61	30	
1,3,5-Trimethylbenzene	54		"	50.0		108	82-126		2.93	30	
1,3-Dichlorobenzene	58		"	50.0		116	84-124		3.55	30	
1,4-Dichlorobenzene	57		"	50.0		114	84-124		2.43	30	
1,4-Dioxane	1000		"	1000		101	10-228		0.0287	30	
2-Butanone	72		"	50.0		145	58-147		3.20	30	
2-Hexanone	50		"	50.0		99.3	70-139		0.00	30	
4-Methyl-2-pentanone	51		"	50.0		102	72-132		6.41	30	
Acetone	31		"	50.0		61.5	36-155		24.5	30	
Acrolein	46		"	50.0		92.7	10-238		8.89	30	
Acrylonitrile	50		"	50.0		101	66-141		2.39	30	
Benzene	50		"	50.0		99.5	77-127		2.67	30	
Bromochloromethane	48		"	50.0		96.3	74-129		6.96	30	
Bromodichloromethane	54		"	50.0		109	81-124		1.30	30	
Bromoform	55		"	50.0		110	80-136		3.92	30	
Bromomethane	48		"	50.0		96.7	32-177		6.25	30	
Carbon disulfide	45		"	50.0		90.8	10-136		1.03	30	
Carbon tetrachloride	54		"	50.0		107	66-143		1.88	30	
Chlorobenzene	53		"	50.0		106	86-120		1.72	30	
Chloroethane	49		"	50.0		98.5	51-142		1.17	30	
Chloroform	51		"	50.0		102	76-131		0.783	30	
Chloromethane	51		"	50.0		101	49-132		0.356	30	
cis-1,2-Dichloroethylene	50		"	50.0		99.6	74-132		0.847	30	
cis-1,3-Dichloropropylene	53		"	50.0		107	81-129		0.839	30	
Cyclohexane	52		"	50.0		104	70-130		8.99	30	
Dibromochloromethane	57		"	50.0		115	10-200		3.21	30	
Dibromomethane	52		"	50.0		105	83-124		1.56	30	
Dichlorodifluoromethane	50		"	50.0		99.7	28-158		5.03	30	
Ethyl Benzene	55		"	50.0		110	84-125		1.94	30	
Hexachlorobutadiene	54		"	50.0		108	83-133		4.47	30	
Isopropylbenzene	52		"	50.0		105	81-127		0.627	30	
Methyl acetate	60		"	50.0		120	41-143		11.9	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.4	74-131		0.203	30	
Methylcyclohexane	52		"	50.0		103	70-130		1.61	30	
Methylene chloride	43		"	50.0		86.9	57-141		11.8	30	
n-Butylbenzene	58		"	50.0		116	80-130		0.156	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70939 - EPA 5035A											
LCS Dup (BJ70939-BSD1)								Prepared & Analyzed: 10/18/2017			
n-Propylbenzene	55		ug/L	50.0		110	74-136		2.23	30	
o-Xylene	51		"	50.0		101	83-123		6.62	30	
p- & m- Xylenes	110		"	100		107	82-128		2.06	30	
p-Isopropyltoluene	56		"	50.0		112	85-125		0.557	30	
sec-Butylbenzene	57		"	50.0		113	83-125		1.93	30	
Styrene	52		"	50.0		105	86-126		0.172	30	
tert-Butyl alcohol (TBA)	61		"	50.0		123	70-130		4.79	30	
tert-Butylbenzene	56		"	50.0		113	80-127		5.49	30	
Tetrachloroethylene	52		"	50.0		105	80-129		6.07	30	
Toluene	53		"	50.0		106	85-121		2.05	30	
trans-1,2-Dichloroethylene	48		"	50.0		95.6	72-132		0.501	30	
trans-1,3-Dichloropropylene	55		"	50.0		110	78-132		0.235	30	
Trichloroethylene	52		"	50.0		105	84-123		0.536	30	
Trichlorofluoromethane	50		"	50.0		101	62-140		0.998	30	
Vinyl Chloride	47		"	50.0		94.8	52-130		2.00	30	
Surrogate: 1,2-Dichloroethane-d4	*52.9*		*"*	*50.0*		*106*	*77-125*				
Surrogate: Toluene-d8	*49.8*		*"*	*50.0*		*99.6*	*85-120*				
Surrogate: p-Bromofluorobenzene	*47.8*		*"*	*50.0*		*95.6*	*76-130*				
Batch BJ71028 - EPA 5035A											
Blank (BJ71028-BLK1)								Prepared & Analyzed: 10/19/2017			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71028 - EPA 5035A											
Blank (BJ71028-BLK1)											Prepared & Analyzed: 10/19/2017
Bromoform	ND	5.0	ug/kg wet								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*55.2*		*ug/L*	*50.0*		*110*	*77-125*				
Surrogate: Toluene-d8	*47.6*		*"*	*50.0*		*95.2*	*85-120*				
Surrogate: p-Bromofluorobenzene	*47.7*		*"*	*50.0*		*95.4*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71028 - EPA 5035A											
LCS (BJ71028-BS1)								Prepared & Analyzed: 10/19/2017			
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		112	75-129				
1,1,1-Trichloroethane	58		"	50.0		117	71-137				
1,1,2,2-Tetrachloroethane	55		"	50.0		109	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		108	58-146				
1,1,2-Trichloroethane	52		"	50.0		104	83-123				
1,1-Dichloroethane	54		"	50.0		109	75-130				
1,1-Dichloroethylene	28		"	25.0		111	64-137				
1,2,3-Trichlorobenzene	58		"	50.0		116	81-140				
1,2,3-Trichloropropane	64		"	50.0		128	81-126	High Bias			
1,2,4-Trichlorobenzene	57		"	50.0		115	80-141				
1,2,4-Trimethylbenzene	58		"	50.0		116	84-125				
1,2-Dibromo-3-chloropropane	69		"	50.0		139	74-142				
1,2-Dibromoethane	54		"	50.0		109	86-123				
1,2-Dichlorobenzene	54		"	50.0		109	85-122				
1,2-Dichloroethane	59		"	50.0		119	71-133				
1,2-Dichloropropane	53		"	50.0		107	81-122				
1,3,5-Trimethylbenzene	58		"	50.0		116	82-126				
1,3-Dichlorobenzene	55		"	50.0		111	84-124				
1,4-Dichlorobenzene	55		"	50.0		109	84-124				
1,4-Dioxane	1200		"	1000		120	10-228				
2-Butanone	57		"	50.0		114	58-147				
2-Hexanone	66		"	50.0		132	70-139				
4-Methyl-2-pentanone	63		"	50.0		127	72-132				
Acetone	50		"	50.0		100	36-155				
Acrolein	40		"	50.0		79.5	10-238				
Acrylonitrile	55		"	50.0		110	66-141				
Benzene	50		"	50.0		101	77-127				
Bromochloromethane	49		"	50.0		98.8	74-129				
Bromodichloromethane	57		"	50.0		115	81-124				
Bromoform	60		"	50.0		119	80-136				
Bromomethane	51		"	50.0		102	32-177				
Carbon disulfide	50		"	50.0		99.0	10-136				
Carbon tetrachloride	58		"	50.0		116	66-143				
Chlorobenzene	52		"	50.0		105	86-120				
Chloroethane	59		"	50.0		119	51-142				
Chloroform	53		"	50.0		107	76-131				
Chloromethane	52		"	50.0		105	49-132				
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132				
cis-1,3-Dichloropropylene	54		"	50.0		108	81-129				
Cyclohexane	52		"	50.0		104	70-130				
Dibromochloromethane	56		"	50.0		112	10-200				
Dibromomethane	52		"	50.0		105	83-124				
Dichlorodifluoromethane	55		"	50.0		110	28-158				
Ethyl Benzene	54		"	50.0		108	84-125				
Hexachlorobutadiene	63		"	50.0		125	83-133				
Isopropylbenzene	58		"	50.0		116	81-127				
Methyl acetate	57		"	50.0		114	41-143				
Methyl tert-butyl ether (MTBE)	55		"	50.0		110	74-131				
Methylcyclohexane	55		"	50.0		110	70-130				
Methylene chloride	46		"	50.0		93.0	57-141				
n-Butylbenzene	58		"	50.0		116	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71028 - EPA 5035A											
LCS (BJ71028-BS1)								Prepared & Analyzed: 10/19/2017			
n-Propylbenzene	58		ug/L	50.0		116	74-136				
o-Xylene	55		"	50.0		110	83-123				
p- & m- Xylenes	110		"	100		107	82-128				
p-Isopropyltoluene	59		"	50.0		117	85-125				
sec-Butylbenzene	57		"	50.0		114	83-125				
Styrene	53		"	50.0		107	86-126				
tert-Butyl alcohol (TBA)	70		"	50.0		139	70-130	High Bias			
tert-Butylbenzene	60		"	50.0		120	80-127				
Tetrachloroethylene	56		"	50.0		111	80-129				
Toluene	52		"	50.0		103	85-121				
trans-1,2-Dichloroethylene	56		"	50.0		111	72-132				
trans-1,3-Dichloropropylene	58		"	50.0		116	78-132				
Trichloroethylene	54		"	50.0		109	84-123				
Trichlorofluoromethane	59		"	50.0		117	62-140				
Vinyl Chloride	56		"	50.0		113	52-130				
Surrogate: 1,2-Dichloroethane-d4	*56.1*		*"*	*50.0*		*112*	*77-125*				
Surrogate: Toluene-d8	*46.5*		*"*	*50.0*		*93.1*	*85-120*				
Surrogate: p-Bromofluorobenzene	*52.5*		*"*	*50.0*		*105*	*76-130*				
LCS Dup (BJ71028-BSD1)								Prepared & Analyzed: 10/19/2017			
1,1,1,2-Tetrachloroethane	56		ug/L	50.0		111	75-129		1.02	30	
1,1,1-Trichloroethane	55		"	50.0		110	71-137		5.92	30	
1,1,2,2-Tetrachloroethane	51		"	50.0		102	79-129		6.50	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50		"	50.0		99.3	58-146		8.47	30	
1,1,2-Trichloroethane	50		"	50.0		99.6	83-123		4.52	30	
1,1-Dichloroethane	52		"	50.0		103	75-130		5.03	30	
1,1-Dichloroethylene	26		"	25.0		105	64-137		5.57	30	
1,2,3-Trichlorobenzene	55		"	50.0		110	81-140		5.48	30	
1,2,3-Trichloropropane	58		"	50.0		117	81-126		8.60	30	
1,2,4-Trichlorobenzene	55		"	50.0		110	80-141		3.95	30	
1,2,4-Trimethylbenzene	55		"	50.0		110	84-125		5.78	30	
1,2-Dibromo-3-chloropropane	62		"	50.0		123	74-142		11.8	30	
1,2-Dibromoethane	52		"	50.0		105	86-123		3.97	30	
1,2-Dichlorobenzene	53		"	50.0		105	85-122		3.46	30	
1,2-Dichloroethane	56		"	50.0		111	71-133		6.26	30	
1,2-Dichloropropane	51		"	50.0		103	81-122		3.84	30	
1,3,5-Trimethylbenzene	55		"	50.0		109	82-126		5.89	30	
1,3-Dichlorobenzene	52		"	50.0		105	84-124		5.46	30	
1,4-Dichlorobenzene	52		"	50.0		105	84-124		4.26	30	
1,4-Dioxane	1100		"	1000		107	10-228		11.3	30	
2-Butanone	51		"	50.0		101	58-147		11.4	30	
2-Hexanone	59		"	50.0		118	70-139		10.8	30	
4-Methyl-2-pentanone	59		"	50.0		117	72-132		7.84	30	
Acetone	43		"	50.0		85.2	36-155		16.0	30	
Acrolein	43		"	50.0		86.1	10-238		7.94	30	
Acrylonitrile	47		"	50.0		94.6	66-141		14.6	30	
Benzene	49		"	50.0		97.0	77-127		3.68	30	
Bromochloromethane	51		"	50.0		101	74-129		2.60	30	
Bromodichloromethane	57		"	50.0		113	81-124		1.24	30	
Bromoform	53		"	50.0		106	80-136		11.5	30	
Bromomethane	46		"	50.0		91.5	32-177		10.5	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71028 - EPA 5035A											
LCS Dup (BJ71028-BSD1)							Prepared & Analyzed: 10/19/2017				
Carbon disulfide	47		ug/L	50.0		94.2	10-136		4.97	30	
Carbon tetrachloride	56		"	50.0		112	66-143		4.02	30	
Chlorobenzene	51		"	50.0		103	86-120		1.79	30	
Chloroethane	60		"	50.0		121	51-142		1.89	30	
Chloroform	52		"	50.0		104	76-131		2.93	30	
Chloromethane	51		"	50.0		103	49-132		1.77	30	
cis-1,2-Dichloroethylene	49		"	50.0		98.7	74-132		1.79	30	
cis-1,3-Dichloropropylene	53		"	50.0		107	81-129		1.45	30	
Cyclohexane	50		"	50.0		99.8	70-130		4.02	30	
Dibromochloromethane	54		"	50.0		108	10-200		3.64	30	
Dibromomethane	52		"	50.0		105	83-124		0.0383	30	
Dichlorodifluoromethane	51		"	50.0		103	28-158		6.45	30	
Ethyl Benzene	53		"	50.0		106	84-125		1.85	30	
Hexachlorobutadiene	60		"	50.0		120	83-133		3.92	30	
Isopropylbenzene	55		"	50.0		109	81-127		5.94	30	
Methyl acetate	50		"	50.0		99.8	41-143		13.6	30	
Methyl tert-butyl ether (MTBE)	52		"	50.0		103	74-131		6.15	30	
Methylcyclohexane	54		"	50.0		107	70-130		2.45	30	
Methylene chloride	44		"	50.0		88.8	57-141		4.64	30	
n-Butylbenzene	56		"	50.0		112	80-130		3.43	30	
n-Propylbenzene	53		"	50.0		106	74-136		8.71	30	
o-Xylene	53		"	50.0		105	83-123		4.47	30	
p- & m- Xylenes	100		"	100		104	82-128		2.54	30	
p-Isopropyltoluene	55		"	50.0		111	85-125		5.59	30	
sec-Butylbenzene	54		"	50.0		108	83-125		4.70	30	
Styrene	52		"	50.0		104	86-126		3.23	30	
tert-Butyl alcohol (TBA)	58		"	50.0		116	70-130		18.4	30	
tert-Butylbenzene	55		"	50.0		111	80-127		8.17	30	
Tetrachloroethylene	52		"	50.0		104	80-129		6.32	30	
Toluene	51		"	50.0		102	85-121		1.58	30	
trans-1,2-Dichloroethylene	51		"	50.0		102	72-132		8.98	30	
trans-1,3-Dichloropropylene	56		"	50.0		113	78-132		2.97	30	
Trichloroethylene	53		"	50.0		107	84-123		1.56	30	
Trichlorofluoromethane	53		"	50.0		106	62-140		10.2	30	
Vinyl Chloride	56		"	50.0		112	52-130		0.481	30	
Surrogate: 1,2-Dichloroethane-d4	*54.7*		*"*	*50.0*		*109*	*77-125*				
Surrogate: Toluene-d8	*48.3*		*"*	*50.0*		*96.6*	*85-120*				
Surrogate: p-Bromofluorobenzene	*51.7*		*"*	*50.0*		*103*	*76-130*				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71020 - EPA 3550C											
Blank (BJ71020-BLK1)											
1,1-Biphenyl	ND	41.7	ug/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	83.3	"								
1,2,4-Trichlorobenzene	ND	41.7	"								
1,2-Dichlorobenzene	ND	41.7	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.7	"								
1,3-Dichlorobenzene	ND	41.7	"								
1,4-Dichlorobenzene	ND	41.7	"								
2,3,4,6-Tetrachlorophenol	ND	83.3	"								
2,4,5-Trichlorophenol	ND	41.7	"								
2,4,6-Trichlorophenol	ND	41.7	"								
2,4-Dichlorophenol	ND	41.7	"								
2,4-Dimethylphenol	ND	41.7	"								
2,4-Dinitrophenol	ND	83.3	"								
2,4-Dinitrotoluene	ND	41.7	"								
2,6-Dinitrotoluene	ND	41.7	"								
2-Chloronaphthalene	ND	41.7	"								
2-Chlorophenol	ND	41.7	"								
2-Methylnaphthalene	ND	41.7	"								
2-Methylphenol	ND	41.7	"								
2-Nitroaniline	ND	83.3	"								
2-Nitrophenol	ND	41.7	"								
3- & 4-Methylphenols	ND	41.7	"								
3,3-Dichlorobenzidine	ND	41.7	"								
3-Nitroaniline	ND	83.3	"								
4,6-Dinitro-2-methylphenol	ND	83.3	"								
4-Bromophenyl phenyl ether	ND	41.7	"								
4-Chloro-3-methylphenol	ND	41.7	"								
4-Chloroaniline	ND	41.7	"								
4-Chlorophenyl phenyl ether	ND	41.7	"								
4-Nitroaniline	ND	83.3	"								
4-Nitrophenol	ND	83.3	"								
Acenaphthene	ND	41.7	"								
Acenaphthylene	ND	41.7	"								
Acetophenone	ND	41.7	"								
Aniline	ND	167	"								
Anthracene	ND	41.7	"								
Atrazine	ND	41.7	"								
Benzaldehyde	ND	41.7	"								
Benzidine	ND	167	"								
Benzo(a)anthracene	ND	41.7	"								
Benzo(a)pyrene	ND	41.7	"								
Benzo(b)fluoranthene	ND	41.7	"								
Benzo(g,h,i)perylene	ND	41.7	"								
Benzo(k)fluoranthene	ND	41.7	"								
Benzoic acid	ND	41.7	"								
Benzyl alcohol	ND	41.7	"								
Benzyl butyl phthalate	ND	41.7	"								
Bis(2-chloroethoxy)methane	ND	41.7	"								
Bis(2-chloroethyl)ether	ND	41.7	"								
Bis(2-chloroisopropyl)ether	ND	41.7	"								
Bis(2-ethylhexyl)phthalate	ND	41.7	"								

Prepared & Analyzed: 10/19/2017

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71020 - EPA 3550C											
Blank (BJ71020-BLK1)											Prepared & Analyzed: 10/19/2017
Caprolactam	ND	83.3	ug/kg wet								
Carbazole	ND	41.7	"								
Chrysene	ND	41.7	"								
Dibenzo(a,h)anthracene	ND	41.7	"								
Dibenzofuran	ND	41.7	"								
Diethyl phthalate	ND	41.7	"								
Dimethyl phthalate	ND	41.7	"								
Di-n-butyl phthalate	ND	41.7	"								
Di-n-octyl phthalate	ND	41.7	"								
Fluoranthene	ND	41.7	"								
Fluorene	ND	41.7	"								
Hexachlorobenzene	ND	41.7	"								
Hexachlorobutadiene	ND	41.7	"								
Hexachlorocyclopentadiene	ND	41.7	"								
Hexachloroethane	ND	41.7	"								
Indeno(1,2,3-cd)pyrene	ND	41.7	"								
Isophorone	ND	41.7	"								
Naphthalene	ND	41.7	"								
Nitrobenzene	ND	41.7	"								
N-Nitrosodimethylamine	ND	41.7	"								
N-nitroso-di-n-propylamine	ND	41.7	"								
N-Nitrosodiphenylamine	ND	41.7	"								
Pentachlorophenol	ND	41.7	"								
Phenanthrene	ND	41.7	"								
Phenol	ND	41.7	"								
Pyrene	ND	41.7	"								
Surrogate: 2-Fluorophenol	*1740*		*"*	*2510*		*69.4*	*20-108*				
Surrogate: Phenol-d5	*2100*		*"*	*2570*		*81.8*	*23-114*				
Surrogate: Nitrobenzene-d5	*1040*		*"*	*1730*		*59.9*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*970*		*"*	*1730*		*56.2*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*2010*		*"*	*2570*		*78.5*	*19-110*				
Surrogate: Terphenyl-d14	*980*		*"*	*1680*		*58.5*	*24-116*				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71020 - EPA 3550C											
LCS (BJ71020-BS1)								Prepared & Analyzed: 10/19/2017			
1,1-Biphenyl	723	41.7	ug/kg wet	833		86.8	22-103				
1,2,4,5-Tetrachlorobenzene	645	83.3	"	833		77.4	10-144				
1,2,4-Trichlorobenzene	535	41.7	"	833		64.2	23-130				
1,2-Dichlorobenzene	538	41.7	"	833		64.6	26-113				
1,2-Diphenylhydrazine (as Azobenzene)	572	41.7	"	833		68.7	10-140				
1,3-Dichlorobenzene	566	41.7	"	833		67.9	32-113				
1,4-Dichlorobenzene	522	41.7	"	833		62.6	28-111				
2,3,4,6-Tetrachlorophenol	1170	83.3	"	833		141	30-130	High Bias			
2,4,5-Trichlorophenol	565	41.7	"	833		67.8	14-138				
2,4,6-Trichlorophenol	672	41.7	"	833		80.6	27-122				
2,4-Dichlorophenol	642	41.7	"	833		77.0	23-133				
2,4-Dimethylphenol	667	41.7	"	833		80.0	15-131				
2,4-Dinitrophenol	373	83.3	"	833		44.8	10-149				
2,4-Dinitrotoluene	551	41.7	"	833		66.2	30-123				
2,6-Dinitrotoluene	581	41.7	"	833		69.7	30-125				
2-Chloronaphthalene	582	41.7	"	833		69.8	22-115				
2-Chlorophenol	669	41.7	"	833		80.3	25-121				
2-Methylnaphthalene	633	41.7	"	833		76.0	16-127				
2-Methylphenol	598	41.7	"	833		71.7	10-146				
2-Nitroaniline	632	83.3	"	833		75.8	24-126				
2-Nitrophenol	593	41.7	"	833		71.1	17-129				
3- & 4-Methylphenols	609	41.7	"	833		73.0	20-109				
3,3-Dichlorobenzidine	1010	41.7	"	833		121	10-147				
3-Nitroaniline	653	83.3	"	833		78.4	23-123				
4,6-Dinitro-2-methylphenol	469	83.3	"	833		56.3	10-149				
4-Bromophenyl phenyl ether	671	41.7	"	833		80.5	30-138				
4-Chloro-3-methylphenol	657	41.7	"	833		78.8	16-138				
4-Chloroaniline	575	41.7	"	833		69.0	10-117				
4-Chlorophenyl phenyl ether	646	41.7	"	833		77.5	18-132				
4-Nitroaniline	754	83.3	"	833		90.4	14-125				
4-Nitrophenol	505	83.3	"	833		60.6	10-136				
Acenaphthene	656	41.7	"	833		78.8	17-124				
Acenaphthylene	593	41.7	"	833		71.1	16-124				
Acetophenone	685	41.7	"	833		82.2	28-105				
Aniline	653	167	"	833		78.4	10-111				
Anthracene	758	41.7	"	833		90.9	24-124				
Atrazine	711	41.7	"	833		85.3	22-120				
Benzaldehyde	722	41.7	"	833		86.7	21-100				
Benzo(a)anthracene	704	41.7	"	833		84.5	25-134				
Benzo(a)pyrene	721	41.7	"	833		86.6	29-144				
Benzo(b)fluoranthene	686	41.7	"	833		82.3	20-151				
Benzo(g,h,i)perylene	747	41.7	"	833		89.6	10-153				
Benzo(k)fluoranthene	760	41.7	"	833		91.2	10-148				
Benzoic acid	306	41.7	"	833		36.8	10-116				
Benzyl alcohol	648	41.7	"	833		77.7	17-128				
Benzyl butyl phthalate	671	41.7	"	833		80.5	10-132				
Bis(2-chloroethoxy)methane	655	41.7	"	833		78.6	10-129				
Bis(2-chloroethyl)ether	600	41.7	"	833		72.0	14-125				
Bis(2-chloroisopropyl)ether	674	41.7	"	833		80.9	14-122				
Bis(2-ethylhexyl)phthalate	659	41.7	"	833		79.1	10-141				
Caprolactam	581	83.3	"	833		69.7	10-123				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71020 - EPA 3550C											
LCS (BJ71020-BS1)							Prepared & Analyzed: 10/19/2017				
Carbazole	798	41.7	ug/kg wet	833		95.8	31-120				
Chrysene	761	41.7	"	833		91.3	24-116				
Dibenzo(a,h)anthracene	683	41.7	"	833		81.9	17-147				
Dibenzofuran	654	41.7	"	833		78.5	23-123				
Diethyl phthalate	616	41.7	"	833		73.9	23-122				
Dimethyl phthalate	642	41.7	"	833		77.1	28-127				
Di-n-butyl phthalate	639	41.7	"	833		76.6	19-123				
Di-n-octyl phthalate	633	41.7	"	833		75.9	10-132				
Fluoranthene	696	41.7	"	833		83.5	36-125				
Fluorene	696	41.7	"	833		83.5	16-130				
Hexachlorobenzene	549	41.7	"	833		65.9	10-129				
Hexachlorobutadiene	533	41.7	"	833		63.9	22-153				
Hexachlorocyclopentadiene	538	41.7	"	833		64.6	10-134				
Hexachloroethane	557	41.7	"	833		66.8	20-112				
Indeno(1,2,3-cd)pyrene	696	41.7	"	833		83.5	10-155				
Isophorone	521	41.7	"	833		62.5	14-131				
Naphthalene	719	41.7	"	833		86.3	20-121				
Nitrobenzene	498	41.7	"	833		59.8	20-121				
N-Nitrosodimethylamine	366	41.7	"	833		43.9	10-124				
N-nitroso-di-n-propylamine	592	41.7	"	833		71.1	21-119				
N-Nitrosodiphenylamine	774	41.7	"	833		92.9	10-163				
Pentachlorophenol	529	41.7	"	833		63.4	10-143				
Phenanthrene	727	41.7	"	833		87.3	24-123				
Phenol	638	41.7	"	833		76.6	15-123				
Pyrene	800	41.7	"	833		96.0	24-132				
Surrogate: 2-Fluorophenol	*1830*		"	*2510*		*73.1*	*20-108*				
Surrogate: Phenol-d5	*2170*		"	*2570*		*84.4*	*23-114*				
Surrogate: Nitrobenzene-d5	*1130*		"	*1730*		*65.6*	*22-108*				
Surrogate: 2-Fluorobiphenyl	*973*		"	*1730*		*56.3*	*21-113*				
Surrogate: 2,4,6-Tribromophenol	*2210*		"	*2570*		*86.3*	*19-110*				
Surrogate: Terphenyl-d14	*1060*		"	*1680*		*63.0*	*24-116*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70963 - EPA 3050B											
Blank (BJ70963-BLK1)											Prepared: 10/18/2017 Analyzed: 10/19/2017
Arsenic	ND	1.00	mg/kg wet								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Chromium	ND	0.500	"								
Copper	ND	0.500	"								
Lead	ND	0.500	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Zinc	1.52	1.50	"								
Reference (BJ70963-SRM1)											Prepared: 10/18/2017 Analyzed: 10/19/2017
Arsenic	30.6	1.00	mg/kg wet	29.6		104	67-161.9				
Barium	212	1.00	"	198		107	72-129.1				
Beryllium	92.7	0.100	"	92.0		101	73.8-126.4				
Cadmium	70.5	0.300	"	71.5		98.6	73.3-126.7				
Chromium	102	0.500	"	102		100	68.2-132				
Copper	173	0.500	"	153		113	72.5-131.4				
Lead	142	0.500	"	139		102	69.7-130.8				
Manganese	292	0.500	"	270		108	73.9-126				
Nickel	138	0.500	"	129		107	70.3-129.7				
Selenium	62.8	1.00	"	60.6		104	63.2-136.9				
Silver	34.1	0.500	"	36.4		93.8	66.8-133.4				
Zinc	223	1.50	"	223		100	69.7-129.8				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70818 - EPA 7473 soil											
Blank (BJ70818-BLK1)									Prepared & Analyzed: 10/16/2017		
Mercury	ND	0.0300	mg/kg wet								
Reference (BJ70818-SRM1)									Prepared & Analyzed: 10/16/2017		
Mercury	12.529		mg/kg	13.8		90.8	51.4-168.8				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71111 - Analysis Preparation Soil											
Blank (BJ71111-BLK1)								Prepared & Analyzed: 10/20/2017			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BJ71111-DUP1)	*Source sample: 17J0602-01 (SB-1 (10'-12'))							Prepared & Analyzed: 10/20/2017			
Cyanide, total	ND	0.552	mg/kg dry		ND					15	
Matrix Spike (BJ71111-MS1)	*Source sample: 17J0602-01 (SB-1 (10'-12'))							Prepared & Analyzed: 10/20/2017			
Cyanide, total	9.38	0.552	mg/kg dry	11.0	ND	85.0	79.6-107				
Reference (BJ71111-SRM1)								Prepared & Analyzed: 10/20/2017			
Cyanide, total	59.5		ug/mL	53.9		110	37.5-163.7				
Batch BJ71112 - EPA SW846-3060											
Blank (BJ71112-BLK1)								Prepared & Analyzed: 10/20/2017			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BJ71112-DUP1)	*Source sample: 17J0602-01 (SB-1 (10'-12'))							Prepared & Analyzed: 10/20/2017			
Chromium, Hexavalent	ND	0.552	mg/kg dry		0.485					35	
Matrix Spike (BJ71112-MS1)	*Source sample: 17J0602-01 (SB-1 (10'-12'))							Prepared & Analyzed: 10/20/2017			
Chromium, Hexavalent	22.2	0.552	mg/kg dry	22.1	0.485	98.6	75-125				
Reference (BJ71112-SRM1)								Prepared & Analyzed: 10/20/2017			
Chromium, Hexavalent	195		mg/L	207		94.2	25.6-116.9				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17J0602-01	SB-1 (10'-12')	40mL Vial with Stir Bar-Cool 4° C
17J0602-02	SB-2 (2'-4')	40mL Vial with Stir Bar-Cool 4° C
17J0602-03	Sump (0.5'-1')	40mL Vial with Stir Bar-Cool 4° C
17J0602-04	2017.10.13-DUPS1	40mL Vial with Stir Bar-Cool 4° C
17J0602-05	2017.10.13-TB01	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK ANALYTICAL LABORATORIES INC
YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 17D0602

YOUR Information

Company: LANGAN
Address: 555 Long Wharf Dr. New Haven CT
Phone No. 203-562-5771
Contact Person: J. HALL
E-Mail Address: JHALL@LANGAN

Report To:

Company:
Address:
Phone No. SAME
Attention:
E-Mail Address:

Invoice To:

Company:
Address:
Phone No. SAME
Attention:
E-Mail Address:

YOUR Project ID

140169801

Purchase Order No.

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report ___
- Summary w/ QA Summary X
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package ___
- NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)

- Simple Excel X
- NYSDEC EQuIS ___
- EQuIS (std) ___
- EZ-EDD (EQuIS) ___
- NJDEP SRP HazSite EDD ___
- GIS/KEY (std) ___
- Other ___

York Regulatory Comparison

Excel Spreadsheet X

Compare to the following Regs. (please fill in):
NYSDEC Part 375

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Justin Hall
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	~~List Below~~ NYSDEC	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SB-1 (10'-12')	10-12-17 / 11:15	S	VOC (8260), SVOC (8270), NYSDEC Part 375 Metals List	1-8oz, 1-terracore set
SB-2 (2'-4')	10-13-17 / 13:30			
SUMP (0.5'-1')	13:00			
2017.10.13-DUP01	N/A			
2017.10.13-TB01	N/A	Trip Blank		2-VOA HCL

Comments
Please have RL's meet NYSDEC 375 criteria
Please CC results to RWohlstrom@LANGAN.com

Preservation
Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl X MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Samples Relinquished By — 10/13/17 1500 — Date/Time
Samples Relinquished By — Date/Time

Samples Received By — 10/13/17 1500 — Date/Time
Samples Received in LAB by Grace 10-13-17 1658 — Date/Time

Temperature on Receipt 1.7 °C

Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511
Attention: Justin Hall

Report Date: 10/23/2017
Client Project ID: 140169801
York Project (SDG) No.: 17J0667

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 10/23/2017
Client Project ID: 140169801
York Project (SDG) No.: 17J0667

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511
Attention: Justin Hall

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on October 16, 2017 and listed below. The project was identified as your project: **140169801**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17J0667-01	MW-1	Water	10/16/2017	10/16/2017
17J0667-02	MW-2	Water	10/16/2017	10/16/2017
17J0667-03	2017.10.16-DUPW1	Water	10/16/2017	10/16/2017
17J0667-04	2017.10.16-TB02	Water	10/16/2017	10/16/2017

General Notes for York Project (SDG) No.: 17J0667

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 10/23/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 17J0667-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 9:20 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 17:53	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 17:53	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 17:53	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 17:53	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **17J0667-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 9:20 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
67-64-1	**Acetone**	**2.3**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
156-59-2	**cis-1,2-Dichloroethylene**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30	10/17/2017 17:53 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	SR

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 17J0667-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 9:20 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 17:53	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 17:53	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 17:53	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 17:53	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 17:53	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 17:53	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*112 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.1 %*	*81-117*

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 17J0667-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 9:20 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.7 %*			*79-122*						

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH NELAC-NY10854-CT,NJDEP,PADEP
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH NELAC-NY10854-CT,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH NELAC-NY10854-CT,PADEP
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH NELAC-NY10854-CT,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH NELAC-NY10854-CT,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH NELAC-NY10854-CT,PADEP
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH NELAC-NY10854-CT,NJDEP,PADEP
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00	10/22/2017 02:56	KH CTDOH,NELAC-NY10854-CT,NJDEP,PADEP

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 17J0667-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 9:20 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
83-32-9	Acenaphthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
120-12-7	Anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	10/18/2017 09:00 NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 17J0667-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 9:20 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications:	10/18/2017 09:00 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
206-44-0	Fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
86-73-7	Fluorene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR

Sample Information

Client Sample ID: **MW-1** **York Sample ID:** **17J0667-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 9:20 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
91-20-3	Naphthalene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
98-95-3	**Nitrobenzene**	**0.280**		ug/L	0.250	0.250	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
85-01-8	Phenanthrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 02:56	KH
129-00-0	Pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	10/18/2017 09:00 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/19/2017 20:12	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*38.8 %*	*12-64*
4165-62-2	*Surrogate: Phenol-d5*	*26.4 %*	*10-82*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*87.2 %*	*12-96*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*66.1 %*	*16-84*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*95.5 %*	*15-104*
1718-51-0	*Surrogate: Terphenyl-d14*	*61.7 %*	*15-106*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:01	KML
7440-39-3	**Barium**	**0.024**		mg/L	0.011	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:01	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:01	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:01	KML
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:01	KML

Sample Information

Client Sample ID: MW-1 **York Sample ID:** 17J0667-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 9:20 am	10/16/2017

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-50-8	Copper	ND		mg/L	0.017	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7439-96-5	**Manganese**	**0.063**		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-02-0	Nickel	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7782-49-2	**Selenium**	**0.015**		mg/L	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML
7440-66-6	Zinc	ND		mg/L	0.017	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:01	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:41	10/20/2017 11:09	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/16/2017 17:59	10/16/2017 21:28	TAJ

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	10/20/2017 12:18	10/23/2017 12:50	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/23/2017 08:49	10/23/2017 16:13	DM1

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 17J0667-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 11:10 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:21	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:21	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:21	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:21	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 17J0667-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 11:10 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**4.3**		ug/L	1.0	2.0	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:21	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 17J0667-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 11:10 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:21	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:21	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 18:21	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 18:21	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:21	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:21	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*114 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*96.4 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*87.0 %*	*79-122*

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 17J0667-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 11:10 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,PADEP	10/22/2017 03:29	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,PADEP	10/22/2017 03:29	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,PADEP	10/22/2017 03:29	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 17J0667-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 11:10 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
83-32-9	Acenaphthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
120-12-7	Anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
1912-24-9	Atrazine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
92-87-5	Benzidine	ND		ug/L	11.1	22.2	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
65-85-0	Benzoic acid	ND		ug/L	27.8	55.6	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 17J0667-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 11:10 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
218-01-9	Chrysene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
206-44-0	**Fluoranthene**	**0.156**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
86-73-7	Fluorene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	0.0222	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
67-72-1	Hexachloroethane	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
91-20-3	**Naphthalene**	**0.0778**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 17J0667-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 11:10 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	0.556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.278	0.278	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
85-01-8	**Phenanthrene**	**0.122**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 03:29	KH
129-00-0	**Pyrene**	**0.100**		ug/L	0.0556	0.0556	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:28	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*41.1 %*	*12-64*
4165-62-2	*Surrogate: Phenol-d5*	*28.8 %*	*10-82*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*86.0 %*	*12-96*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*66.7 %*	*16-84*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*101 %*	*15-104*
1718-51-0	*Surrogate: Terphenyl-d14*	*57.4 %*	*15-106*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:06	KML
7440-39-3	**Barium**	**0.465**		mg/L	0.011	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:06	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:06	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:06	KML
7440-47-3	**Chromium**	**0.060**		mg/L	0.006	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:06	KML
7440-50-8	**Copper**	**0.093**	B	mg/L	0.017	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:06	KML
7439-92-1	**Lead**	**0.012**		mg/L	0.006	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:06	KML

Sample Information

Client Sample ID: MW-2 **York Sample ID:** 17J0667-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 11:10 am	10/16/2017

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-96-5	**Manganese**	**5.11**		mg/L	0.006	1	EPA 6010C	10/20/2017 08:59	10/20/2017 19:06	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-02-0	**Nickel**	**0.077**		mg/L	0.006	1	EPA 6010C	10/20/2017 08:59	10/20/2017 19:06	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/L	0.011	1	EPA 6010C	10/20/2017 08:59	10/20/2017 19:06	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010C	10/20/2017 08:59	10/20/2017 19:06	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			
7440-66-6	**Zinc**	**0.056**		mg/L	0.017	1	EPA 6010C	10/20/2017 08:59	10/20/2017 19:06	KML
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473	10/20/2017 10:41	10/20/2017 11:44	SY
							Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	10/16/2017 17:59	10/16/2017 21:28	TAJ
							Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP			

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	*** Chromium, Trivalent**	**0.0600**		mg/L	0.0100	1	Calculation	10/20/2017 12:18	10/23/2017 12:50	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	10/23/2017 08:49	10/23/2017 16:13	DM1
							Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: 2017.10.16-DUPW1 **York Sample ID:** 17J0667-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:48	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:48	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:48	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:48	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR

Sample Information

Client Sample ID: 2017.10.16-DUPW1 **York Sample ID:** 17J0667-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**1.9**	J	ug/L	1.0	2.0	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
156-59-2	**cis-1,2-Dichloroethylene**	**0.22**	J	ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 18:48	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		

Sample Information

Client Sample ID: 2017.10.16-DUPW1 **York Sample ID:** 17J0667-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:48	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:48	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 18:48	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 18:48	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 18:48	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 18:48	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*96.9 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*94.0 %*	*79-122*

Sample Information

Client Sample ID: 2017.10.16-DUPW1 **York Sample ID:** 17J0667-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,PADEP	10/22/2017 04:02	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,PADEP	10/22/2017 04:02	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,PADEP	10/22/2017 04:02	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH

Sample Information

Client Sample ID: 2017.10.16-DUPW1 **York Sample ID:** 17J0667-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
100-02-7	4-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
83-32-9	Acenaphthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
120-12-7	Anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
1912-24-9	Atrazine	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
92-87-5	Benzidine	ND		ug/L	12.1	24.2	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
65-85-0	Benzoic acid	ND		ug/L	30.3	60.6	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH

Sample Information

Client Sample ID: 2017.10.16-DUPW1 **York Sample ID:** 17J0667-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
218-01-9	Chrysene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
206-44-0	Fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
86-73-7	Fluorene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	0.0242	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
67-72-1	Hexachloroethane	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
91-20-3	Naphthalene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR

Sample Information

Client Sample ID: 2017.10.16-DUPW1 **York Sample ID:** 17J0667-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Semi-Volatiles, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/L	0.303	0.303	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	0.606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.303	0.303	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
85-01-8	Phenanthrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/22/2017 04:02	KH
129-00-0	Pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D Certifications:	10/20/2017 08:04 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 16:59	SR

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: 2-Fluorophenol*	*41.1 %*	*12-64*
4165-62-2	*Surrogate: Phenol-d5*	*29.7 %*	*10-82*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*82.3 %*	*12-96*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*63.7 %*	*16-84*
118-79-6	*Surrogate: 2,4,6-Tribromophenol*	*97.2 %*	*15-104*
1718-51-0	*Surrogate: Terphenyl-d14*	*61.0 %*	*15-106*

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.004	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:11	KML
7440-39-3	**Barium**	**0.025**		mg/L	0.011	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:11	KML
7440-41-7	Beryllium	ND		mg/L	0.001	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:11	KML
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:11	KML
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:11	KML
7440-50-8	Copper	ND		mg/L	0.017	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:11	KML
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:11	KML
7439-96-5	**Manganese**	**0.063**		mg/L	0.006	1	EPA 6010C Certifications:	10/20/2017 08:59 CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 19:11	KML

Sample Information

Client Sample ID: 2017.10.16-DUPW1 **York Sample ID:** 17J0667-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7782-49-2	Selenium	ND		mg/L	0.011	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML
7440-66-6	Zinc	ND		mg/L	0.017	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 08:59	10/20/2017 19:11	KML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,PADEP	10/20/2017 10:41	10/20/2017 11:51	SY

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/16/2017 17:59	10/16/2017 21:28	TAJ

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	10/20/2017 12:18	10/23/2017 12:50	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854-CT,CTDOH,NJDEP,PADEP	10/23/2017 08:49	10/23/2017 16:13	DM1

Sample Information

Client Sample ID: 2017.10.16-TB02 **York Sample ID:** 17J0667-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Sample Information

Client Sample ID: 2017.10.16-TB02 **York Sample ID:** 17J0667-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 16:58	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 16:58	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 16:58	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 16:58	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR

Sample Information

Client Sample ID: 2017.10.16-TB02 **York Sample ID:** 17J0667-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**2.3**		ug/L	1.0	2.0	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	NELAC-NY10854-CT,NJDEP,NELAC-NY10854-		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	10/17/2017 07:30	10/17/2017 16:58	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		

Sample Information

Client Sample ID: 2017.10.16-TB02 **York Sample ID:** 17J0667-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 16:58	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 16:58	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 16:58	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NELAC-NY10854	10/17/2017 16:58	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	10/17/2017 07:30 NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	10/17/2017 16:58	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	10/17/2017 07:30 CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	10/17/2017 16:58	SR

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*111 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.7 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*95.5 %*	*79-122*

Sample Information

Client Sample ID: **2017.10.16-TB02** **York Sample ID:** **17J0667-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17J0667	140169801	Water	October 16, 2017 12:00 am	10/16/2017

Analytical Batch Summary

Batch ID: BJ70831 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/16/17
17J0667-02	MW-2	10/16/17
17J0667-03	2017.10.16-DUPW1	10/16/17
BJ70831-BLK1	Blank	10/16/17
BJ70831-BS1	LCS	10/16/17
BJ70831-DUP1	Duplicate	10/16/17
BJ70831-MS1	Matrix Spike	10/16/17

Batch ID: BJ70847 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/17/17
17J0667-02	MW-2	10/17/17
17J0667-03	2017.10.16-DUPW1	10/17/17
17J0667-04	2017.10.16-TB02	10/17/17
BJ70847-BLK1	Blank	10/17/17
BJ70847-BS1	LCS	10/17/17
BJ70847-BSD1	LCS Dup	10/17/17

Batch ID: BJ70944 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/18/17
BJ70944-BLK1	Blank	10/18/17
BJ70944-BLK2	Blank	10/18/17
BJ70944-BS1	LCS	10/18/17
BJ70944-BS2	LCS	10/18/17
BJ70944-BSD1	LCS Dup	10/18/17

Batch ID: BJ71109 **Preparation Method:** EPA 3510C **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-02	MW-2	10/20/17
17J0667-03	2017.10.16-DUPW1	10/20/17
BJ71109-BLK1	Blank	10/20/17
BJ71109-BLK2	Blank	10/20/17
BJ71109-BS1	LCS	10/20/17
BJ71109-BS2	LCS	10/20/17
BJ71109-BSD1	LCS Dup	10/20/17

Batch ID: BJ71117 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date

17J0667-01	MW-1	10/20/17
17J0667-02	MW-2	10/20/17
17J0667-03	2017.10.16-DUPW1	10/20/17
BJ71117-BLK1	Blank	10/20/17
BJ71117-SRM1	Reference	10/20/17

Batch ID: BJ71129 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/20/17
17J0667-02	MW-2	10/20/17
17J0667-03	2017.10.16-DUPW1	10/20/17
BJ71129-BLK1	Blank	10/20/17
BJ71129-DUP1	Duplicate	10/20/17
BJ71129-MS1	Matrix Spike	10/20/17
BJ71129-SRM1	Reference	10/20/17

Batch ID: BJ71140 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/20/17
17J0667-02	MW-2	10/20/17
17J0667-03	2017.10.16-DUPW1	10/20/17

Batch ID: BJ71180 **Preparation Method:** Analysis Preparation **Prepared By:** DM1

YORK Sample ID	Client Sample ID	Preparation Date
17J0667-01	MW-1	10/23/17
17J0667-02	MW-2	10/23/17
17J0667-03	2017.10.16-DUPW1	10/23/17
BJ71180-BLK1	Blank	10/23/17
BJ71180-BS1	LCS	10/23/17
BJ71180-DUP1	Duplicate	10/23/17
BJ71180-MS1	Matrix Spike	10/23/17

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70847 - EPA 5030B											
Blank (BJ70847-BLK1)											Prepared & Analyzed: 10/17/2017
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70847 - EPA 5030B											
Blank (BJ70847-BLK1)								Prepared & Analyzed: 10/17/2017			
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*69-130*				
Surrogate: Toluene-d8	*9.71*		*"*	*10.0*		*97.1*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.16*		*"*	*10.0*		*91.6*	*79-122*				
LCS (BJ70847-BS1)								Prepared & Analyzed: 10/17/2017			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	12		"	10.0		119	78-136				
1,1,2,2-Tetrachloroethane	8.9		"	10.0		88.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		126	54-165				
1,1,2-Trichloroethane	9.4		"	10.0		93.6	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	5.00		222	68-138	High Bias			
1,2,3-Trichlorobenzene	9.5		"	10.0		95.4	76-136				
1,2,3-Trichloropropane	9.3		"	10.0		92.6	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		101	76-137				
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	9.2		"	10.0		92.4	45-147				
1,2-Dibromoethane	9.4		"	10.0		94.2	83-124				
1,2-Dichlorobenzene	9.7		"	10.0		97.4	79-123				
1,2-Dichloroethane	11		"	10.0		109	73-132				
1,2-Dichloropropane	9.5		"	10.0		94.8	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		103	80-131				
1,3-Dichlorobenzene	10		"	10.0		104	86-122				
1,4-Dichlorobenzene	10		"	10.0		101	85-124				
1,4-Dioxane	210		"	200		103	10-349				
2-Butanone	6.2		"	10.0		62.2	49-152				
2-Hexanone	9.6		"	10.0		96.0	51-146				
4-Methyl-2-pentanone	9.8		"	10.0		97.5	57-145				
Acetone	10		"	10.0		103	14-150				
Acrolein	7.3		"	10.0		73.4	10-153				
Acrylonitrile	9.6		"	10.0		96.2	51-150				
Benzene	10		"	10.0		103	85-126				
Bromochloromethane	11		"	10.0		111	77-128				
Bromodichloromethane	10		"	10.0		100	79-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70847 - EPA 5030B											
LCS (BJ70847-BS1)								Prepared & Analyzed: 10/17/2017			
Bromoform	9.6		ug/L	10.0		96.3	78-133				
Bromomethane	6.1		"	10.0		60.6	43-168				
Carbon disulfide	10		"	10.0		102	68-146				
Carbon tetrachloride	12		"	10.0		124	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroethane	13		"	10.0		126	65-136				
Chloroform	10		"	10.0		105	82-128				
Chloromethane	11		"	10.0		107	43-155				
cis-1,2-Dichloroethylene	11		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	9.8		"	10.0		97.8	80-131				
Cyclohexane	13		"	10.0		130	63-149				
Dibromochloromethane	10		"	10.0		99.8	80-130				
Dibromomethane	9.4		"	10.0		93.8	72-134				
Dichlorodifluoromethane	18		"	10.0		180	44-144	High Bias			
Ethyl Benzene	11		"	10.0		110	80-131				
Hexachlorobutadiene	14		"	10.0		135	67-146				
Isopropylbenzene	11		"	10.0		111	76-140				
Methyl acetate	10		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		98.2	76-135				
Methylcyclohexane	11		"	10.0		110	72-143				
Methylene chloride	10		"	10.0		103	55-137				
n-Butylbenzene	11		"	10.0		115	79-132				
n-Propylbenzene	11		"	10.0		111	78-133				
o-Xylene	11		"	10.0		107	78-130				
p- & m- Xylenes	23		"	20.0		114	77-133				
p-Isopropyltoluene	11		"	10.0		112	81-136				
sec-Butylbenzene	11		"	10.0		108	79-137				
Styrene	11		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	4.1		"	10.0		41.1	25-162				
tert-Butylbenzene	11		"	10.0		106	77-138				
Tetrachloroethylene	11		"	10.0		110	82-131				
Toluene	10		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.8		"	10.0		97.7	78-131				
Trichloroethylene	10		"	10.0		101	82-128				
Trichlorofluoromethane	14		"	10.0		144	67-139	High Bias			
Vinyl Chloride	13		"	10.0		130	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: Toluene-d8	*9.88*		*"*	*10.0*		*98.8*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.45*		*"*	*10.0*		*94.5*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70847 - EPA 5030B											
LCS Dup (BJ70847-BSD1)								Prepared & Analyzed: 10/17/2017			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		108	82-126		0.371	30	
1,1,1-Trichloroethane	2.2		"	10.0		22.2	78-136	Low Bias	137	30	Non-dir.
1,1,2,2-Tetrachloroethane	9.0		"	10.0		90.1	76-129		1.34	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13		"	10.0		128	54-165		1.18	30	
1,1,2-Trichloroethane	9.8		"	10.0		97.5	82-123		4.08	30	
1,1-Dichloroethane	11		"	10.0		109	82-129		1.01	30	
1,1-Dichloroethylene	11		"	5.00		224	68-138	High Bias	0.717	30	
1,2,3-Trichlorobenzene	12		"	10.0		124	76-136		25.9	30	
1,2,3-Trichloropropane	9.3		"	10.0		93.1	77-128		0.539	30	
1,2,4-Trichlorobenzene	11		"	10.0		112	76-137		10.4	30	
1,2,4-Trimethylbenzene	10		"	10.0		100	82-132		5.35	30	
1,2-Dibromo-3-chloropropane	9.3		"	10.0		92.6	45-147		0.216	30	
1,2-Dibromoethane	9.8		"	10.0		97.9	83-124		3.85	30	
1,2-Dichlorobenzene	9.7		"	10.0		96.7	79-123		0.721	30	
1,2-Dichloroethane	11		"	10.0		115	73-132		4.82	30	
1,2-Dichloropropane	9.6		"	10.0		96.2	78-126		1.47	30	
1,3,5-Trimethylbenzene	9.8		"	10.0		98.3	80-131		4.86	30	
1,3-Dichlorobenzene	10		"	10.0		100	86-122		3.53	30	
1,4-Dichlorobenzene	10		"	10.0		99.7	85-124		0.899	30	
1,4-Dioxane	230		"	200		114	10-349		10.2	30	
2-Butanone	7.1		"	10.0		70.6	49-152		12.7	30	
2-Hexanone	10		"	10.0		104	51-146		7.52	30	
4-Methyl-2-pentanone	10		"	10.0		104	57-145		6.55	30	
Acetone	11		"	10.0		110	14-150		6.46	30	
Acrolein	8.3		"	10.0		83.2	10-153		12.5	30	
Acrylonitrile	10		"	10.0		103	51-150		6.92	30	
Benzene	10		"	10.0		105	85-126		1.93	30	
Bromochloromethane	12		"	10.0		116	77-128		3.97	30	
Bromodichloromethane	10		"	10.0		102	79-128		1.48	30	
Bromoform	10		"	10.0		102	78-133		6.24	30	
Bromomethane	6.8		"	10.0		68.5	43-168		12.2	30	
Carbon disulfide	10		"	10.0		102	68-146		0.489	30	
Carbon tetrachloride	12		"	10.0		124	77-141		0.564	30	
Chlorobenzene	10		"	10.0		101	88-120		0.197	30	
Chloroethane	13		"	10.0		125	65-136		0.557	30	
Chloroform	11		"	10.0		109	82-128		4.03	30	
Chloromethane	10		"	10.0		103	43-155		3.14	30	
cis-1,2-Dichloroethylene	9.5		"	10.0		95.0	83-129		11.4	30	
cis-1,3-Dichloropropylene	10		"	10.0		100	80-131		2.42	30	
Cyclohexane	13		"	10.0		132	63-149		1.91	30	
Dibromochloromethane	10		"	10.0		104	80-130		4.03	30	
Dibromomethane	9.8		"	10.0		97.9	72-134		4.28	30	
Dichlorodifluoromethane	18		"	10.0		180	44-144	High Bias	0.0556	30	
Ethyl Benzene	11		"	10.0		108	80-131		1.46	30	
Hexachlorobutadiene	16		"	10.0		161	67-146	High Bias	17.5	30	
Isopropylbenzene	10		"	10.0		104	76-140		6.61	30	
Methyl acetate	11		"	10.0		114	51-139		11.4	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		107	76-135		8.67	30	
Methylcyclohexane	11		"	10.0		108	72-143		1.19	30	
Methylene chloride	11		"	10.0		106	55-137		3.45	30	
n-Butylbenzene	11		"	10.0		111	79-132		3.64	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70847 - EPA 5030B											
LCS Dup (BJ70847-BSD1)								Prepared & Analyzed: 10/17/2017			
n-Propylbenzene	10		ug/L	10.0		104	78-133		6.88	30	
o-Xylene	11		"	10.0		107	78-130		0.00	30	
p- & m- Xylenes	22		"	20.0		112	77-133		1.73	30	
p-Isopropyltoluene	11		"	10.0		107	81-136		4.49	30	
sec-Butylbenzene	10		"	10.0		102	79-137		5.62	30	
Styrene	11		"	10.0		106	67-132		0.852	30	
tert-Butyl alcohol (TBA)	9.3		"	10.0		93.1	25-162		77.5	30	Non-dir.
tert-Butylbenzene	10		"	10.0		100	77-138		6.11	30	
Tetrachloroethylene	11		"	10.0		107	82-131		2.49	30	
Toluene	10		"	10.0		102	80-127		0.878	30	
trans-1,2-Dichloroethylene	11		"	10.0		108	80-132		1.77	30	
trans-1,3-Dichloropropylene	10		"	10.0		101	78-131		3.02	30	
Trichloroethylene	10		"	10.0		99.6	82-128		1.79	30	
Trichlorofluoromethane	14		"	10.0		142	67-139	High Bias	1.33	30	
Vinyl Chloride	13		"	10.0		130	58-145		0.154	30	
Surrogate: 1,2-Dichloroethane-d4	*11.1*		*"*	*10.0*		*111*	*69-130*				
Surrogate: Toluene-d8	*9.68*		*"*	*10.0*		*96.8*	*81-117*				
Surrogate: p-Bromofluorobenzene	*9.13*		*"*	*10.0*		*91.3*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70944 - EPA 3510C											
Blank (BJ70944-BLK1)											
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								

Prepared: 10/18/2017 Analyzed: 10/19/2017

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70944 - EPA 3510C											
Blank (BJ70944-BLK1)											
Prepared: 10/18/2017 Analyzed: 10/19/2017											
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	*38.9*		*"*	*75.2*		*51.7*	*12-64*				
Surrogate: Phenol-d5	*26.6*		*"*	*77.2*		*34.5*	*10-82*				
Surrogate: Nitrobenzene-d5	*53.0*		*"*	*51.8*		*102*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*38.5*		*"*	*51.8*		*74.3*	*16-84*				
Surrogate: 2,4,6-Tribromophenol	*101*		*"*	*77.0*		*131*	*15-104*				
Surrogate: Terphenyl-d14	*34.8*		*"*	*50.3*		*69.2*	*15-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70944 - EPA 3510C											
Blank (BJ70944-BLK2)											Prepared: 10/18/2017 Analyzed: 10/19/2017
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
LCS (BJ70944-BS1)											Prepared: 10/18/2017 Analyzed: 10/19/2017
1,1-Biphenyl	21.3	5.00	ug/L	25.0		85.2	21-102				
1,2,4,5-Tetrachlorobenzene	24.4	5.00	"	25.0		97.6	28-105				
1,2,4-Trichlorobenzene	19.2	5.00	"	25.0		76.7	35-91				
1,2-Dichlorobenzene	23.1	5.00	"	25.0		92.3	42-85	High Bias			
1,2-Diphenylhydrazine (as Azobenzene)	16.0	5.00	"	25.0		63.8	16-137				
1,3-Dichlorobenzene	20.5	5.00	"	25.0		81.9	45-80	High Bias			
1,4-Dichlorobenzene	18.6	5.00	"	25.0		74.2	42-82				
2,3,4,6-Tetrachlorophenol	50.6	5.00	"	25.0		203	30-130	High Bias			
2,4,5-Trichlorophenol	20.5	5.00	"	25.0		82.1	36-112				
2,4,6-Trichlorophenol	20.8	5.00	"	25.0		83.2	41-107				
2,4-Dichlorophenol	21.4	5.00	"	25.0		85.5	43-92				
2,4-Dimethylphenol	18.0	5.00	"	25.0		72.1	25-92				
2,4-Dinitrophenol	20.7	5.00	"	25.0		82.8	10-149				
2,4-Dinitrotoluene	22.1	5.00	"	25.0		88.4	41-114				
2,6-Dinitrotoluene	20.4	5.00	"	25.0		81.5	49-106				
2-Chloronaphthalene	19.0	5.00	"	25.0		76.2	40-96				
2-Chlorophenol	22.1	5.00	"	25.0		88.4	35-84	High Bias			
2-Methylnaphthalene	21.2	5.00	"	25.0		85.0	33-101				
2-Methylphenol	13.6	5.00	"	25.0		54.5	10-90				
2-Nitroaniline	23.6	5.00	"	25.0		94.3	31-122				
2-Nitrophenol	21.1	5.00	"	25.0		84.4	37-97				
3- & 4-Methylphenols	13.1	5.00	"	25.0		52.4	10-101				
3,3-Dichlorobenzidine	22.0	5.00	"	25.0		88.2	25-155				
3-Nitroaniline	14.8	5.00	"	25.0		59.2	29-128				
4,6-Dinitro-2-methylphenol	19.6	5.00	"	25.0		78.6	10-135				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70944 - EPA 3510C											
LCS (BJ70944-BS1)								Prepared: 10/18/2017 Analyzed: 10/19/2017			
4-Bromophenyl phenyl ether	23.5	5.00	ug/L	25.0		94.1	38-116				
4-Chloro-3-methylphenol	20.4	5.00	"	25.0		81.4	28-101				
4-Chloroaniline	13.5	5.00	"	25.0		53.9	10-154				
4-Chlorophenyl phenyl ether	21.5	5.00	"	25.0		86.1	34-112				
4-Nitroaniline	20.0	5.00	"	25.0		80.2	15-143				
4-Nitrophenol	11.3	5.00	"	25.0		45.1	10-112				
Acenaphthene	20.7	0.0500	"	25.0		82.9	24-114				
Acenaphthylene	21.4	0.0500	"	25.0		85.7	26-112				
Acetophenone	25.5	5.00	"	25.0		102	47-92	High Bias			
Aniline	10.1	5.00	"	25.0		40.5	10-107				
Anthracene	21.9	0.0500	"	25.0		87.8	35-114				
Atrazine	22.5	0.500	"	25.0		90.0	43-101				
Benzaldehyde	28.0	5.00	"	25.0		112	17-117				
Benzo(a)anthracene	22.5	0.0500	"	25.0		90.1	38-127				
Benzo(a)pyrene	23.8	0.0500	"	25.0		95.4	30-146				
Benzo(b)fluoranthene	24.4	0.0500	"	25.0		97.6	36-145				
Benzo(g,h,i)perylene	21.3	0.0500	"	25.0		85.2	10-163				
Benzo(k)fluoranthene	23.2	0.0500	"	25.0		93.0	16-149				
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias			
Benzyl alcohol	18.3	5.00	"	25.0		73.2	18-75				
Benzyl butyl phthalate	19.8	5.00	"	25.0		79.3	28-129				
Bis(2-chloroethoxy)methane	20.6	5.00	"	25.0		82.5	27-112				
Bis(2-chloroethyl)ether	19.4	5.00	"	25.0		77.6	24-114				
Bis(2-chloroisopropyl)ether	14.2	5.00	"	25.0		57.0	21-124				
Bis(2-ethylhexyl)phthalate	20.7	0.500	"	25.0		82.6	10-171				
Caprolactam	3.86	5.00	"	25.0		15.4	10-29				
Carbazole	20.4	5.00	"	25.0		81.7	49-116				
Chrysene	21.7	0.0500	"	25.0		86.8	33-120				
Dibenzo(a,h)anthracene	23.5	0.0500	"	25.0		93.9	10-149				
Dibenzofuran	21.0	5.00	"	25.0		83.9	42-105				
Diethyl phthalate	22.2	5.00	"	25.0		88.9	38-112				
Dimethyl phthalate	25.9	5.00	"	25.0		103	49-106				
Di-n-butyl phthalate	20.6	5.00	"	25.0		82.6	36-110				
Di-n-octyl phthalate	19.5	5.00	"	25.0		78.0	12-149				
Fluoranthene	22.3	0.0500	"	25.0		89.1	33-126				
Fluorene	21.2	0.0500	"	25.0		84.9	28-117				
Hexachlorobenzene	19.0	0.0200	"	25.0		76.0	27-120				
Hexachlorobutadiene	22.8	0.500	"	25.0		91.2	25-106				
Hexachlorocyclopentadiene	20.0	5.00	"	25.0		79.9	10-99				
Hexachloroethane	21.0	0.500	"	25.0		84.0	33-84				
Indeno(1,2,3-cd)pyrene	23.4	0.0500	"	25.0		93.8	10-150				
Isophorone	20.4	5.00	"	25.0		81.8	29-115				
Naphthalene	20.6	0.0500	"	25.0		82.2	30-99				
Nitrobenzene	17.5	0.250	"	25.0		70.0	32-113				
N-Nitrosodimethylamine	10.4	0.500	"	25.0		41.6	10-63				
N-nitroso-di-n-propylamine	18.8	5.00	"	25.0		75.2	36-118				
N-Nitrosodiphenylamine	23.2	5.00	"	25.0		92.8	27-145				
Pentachlorophenol	23.7	0.250	"	25.0		94.8	19-127				
Phenanthrene	21.7	0.0500	"	25.0		86.9	31-112				
Phenol	8.37	5.00	"	25.0		33.5	10-37				
Pyrene	22.8	0.0500	"	25.0		91.4	42-125				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70944 - EPA 3510C											
LCS (BJ70944-BS1)									Prepared: 10/18/2017 Analyzed: 10/19/2017		
Surrogate: 2-Fluorophenol	*40.2*		*ug/L*	*75.2*		*53.5*	*12-64*				
Surrogate: Phenol-d5	*26.7*		*"*	*77.2*		*34.6*	*10-82*				
Surrogate: Nitrobenzene-d5	*39.4*		*"*	*51.8*		*76.0*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*33.4*		*"*	*51.8*		*64.5*	*16-84*				
Surrogate: 2,4,6-Tribromophenol	*98.7*		*"*	*77.0*		*128*	*15-104*				
Surrogate: Terphenyl-d14	*35.7*		*"*	*50.3*		*71.0*	*15-106*				
LCS (BJ70944-BS2)									Prepared: 10/18/2017 Analyzed: 10/19/2017		
Acenaphthene	0.970	0.0500	ug/L	1.00		97.0	24-114				
Acenaphthylene	0.840	0.0500	"	1.00		84.0	26-112				
Anthracene	0.850	0.0500	"	1.00		85.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.860	0.0500	"	1.00		86.0	38-127				
Benzo(a)pyrene	0.940	0.0500	"	1.00		94.0	30-146				
Benzo(b)fluoranthene	0.840	0.0500	"	1.00		84.0	36-145				
Benzo(g,h,i)perylene	1.01	0.0500	"	1.00		101	10-163				
Benzo(k)fluoranthene	0.980	0.0500	"	1.00		98.0	16-149				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Chrysene	0.960	0.0500	"	1.00		96.0	33-120				
Dibenzo(a,h)anthracene	1.02	0.0500	"	1.00		102	10-149				
Fluoranthene	0.980	0.0500	"	1.00		98.0	33-126				
Fluorene	0.920	0.0500	"	1.00		92.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	1.00	0.0500	"	1.00		100	10-150				
Naphthalene	0.890	0.0500	"	1.00		89.0	30-99				
Nitrobenzene	ND	0.250	"				32-113				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.730	0.0500	"	1.00		73.0	31-112				
Pyrene	0.870	0.0500	"	1.00		87.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70944 - EPA 3510C											
LCS Dup (BJ70944-BSD1)								Prepared: 10/18/2017 Analyzed: 10/19/2017			
1,1-Biphenyl	21.8	5.00	ug/L	25.0		87.1	21-102		2.23	20	
1,2,4,5-Tetrachlorobenzene	23.6	5.00	"	25.0		94.4	28-105		3.42	20	
1,2,4-Trichlorobenzene	19.1	5.00	"	25.0		76.4	35-91		0.418	20	
1,2-Dichlorobenzene	20.8	5.00	"	25.0		83.3	42-85		10.3	20	
1,2-Diphenylhydrazine (as Azobenzene)	16.6	5.00	"	25.0		66.4	16-137		3.93	20	
1,3-Dichlorobenzene	23.2	5.00	"	25.0		92.9	45-80	High Bias	12.6	20	
1,4-Dichlorobenzene	18.6	5.00	"	25.0		74.4	42-82		0.215	20	
2,3,4,6-Tetrachlorophenol	51.8	5.00	"	25.0		207	30-130	High Bias	2.36	20	
2,4,5-Trichlorophenol	19.8	5.00	"	25.0		79.1	36-112		3.72	20	
2,4,6-Trichlorophenol	21.1	5.00	"	25.0		84.2	41-107		1.24	20	
2,4-Dichlorophenol	19.6	5.00	"	25.0		78.6	43-92		8.48	20	
2,4-Dimethylphenol	17.3	5.00	"	25.0		69.2	25-92		4.07	20	
2,4-Dinitrophenol	20.5	5.00	"	25.0		82.1	10-149		0.873	20	
2,4-Dinitrotoluene	20.3	5.00	"	25.0		81.2	41-114		8.58	20	
2,6-Dinitrotoluene	21.4	5.00	"	25.0		85.6	49-106		4.93	20	
2-Chloronaphthalene	18.5	5.00	"	25.0		74.1	40-96		2.82	20	
2-Chlorophenol	35.0	5.00	"	25.0		140	35-84	High Bias	45.2	20	Non-dir.
2-Methylnaphthalene	21.0	5.00	"	25.0		83.8	33-101		1.42	20	
2-Methylphenol	15.4	5.00	"	25.0		61.4	10-90		11.9	20	
2-Nitroaniline	21.9	5.00	"	25.0		87.6	31-122		7.39	20	
2-Nitrophenol	22.2	5.00	"	25.0		89.0	37-97		5.21	20	
3- & 4-Methylphenols	14.6	5.00	"	25.0		58.2	10-101		10.4	20	
3,3-Dichlorobenzidine	22.9	5.00	"	25.0		91.6	25-155		3.87	20	
3-Nitroaniline	15.4	5.00	"	25.0		61.6	29-128		3.91	20	
4,6-Dinitro-2-methylphenol	20.9	5.00	"	25.0		83.5	10-135		6.12	20	
4-Bromophenyl phenyl ether	24.6	5.00	"	25.0		98.5	38-116		4.53	20	
4-Chloro-3-methylphenol	22.9	5.00	"	25.0		91.6	28-101		11.7	20	
4-Chloroaniline	13.3	5.00	"	25.0		53.2	10-154		1.34	20	
4-Chlorophenyl phenyl ether	22.7	5.00	"	25.0		90.7	34-112		5.20	20	
4-Nitroaniline	20.6	5.00	"	25.0		82.3	15-143		2.61	20	
4-Nitrophenol	16.3	5.00	"	25.0		65.2	10-112		36.3	20	Non-dir.
Acenaphthene	21.7	0.0500	"	25.0		86.8	24-114		4.53	20	
Acenaphthylene	20.4	0.0500	"	25.0		81.7	26-112		4.78	20	
Acetophenone	26.6	5.00	"	25.0		107	47-92	High Bias	4.53	20	
Aniline	20.6	5.00	"	25.0		82.4	10-107		68.2	20	Non-dir.
Anthracene	22.1	0.0500	"	25.0		88.5	35-114		0.862	20	
Atrazine	24.3	0.500	"	25.0		97.1	43-101		7.57	20	
Benzaldehyde	45.6	5.00	"	25.0		182	17-117	High Bias	47.9	20	Non-dir.
Benzo(a)anthracene	23.6	0.0500	"	25.0		94.6	38-127		4.81	20	
Benzo(a)pyrene	23.9	0.0500	"	25.0		95.6	30-146		0.209	20	
Benzo(b)fluoranthene	23.9	0.0500	"	25.0		95.7	36-145		2.03	20	
Benzo(g,h,i)perylene	20.8	0.0500	"	25.0		83.4	10-163		2.09	20	
Benzo(k)fluoranthene	24.9	0.0500	"	25.0		99.8	16-149		7.06	20	
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	17.7	5.00	"	25.0		70.6	18-75		3.56	20	
Benzyl butyl phthalate	21.8	5.00	"	25.0		87.2	28-129		9.51	20	
Bis(2-chloroethoxy)methane	20.4	5.00	"	25.0		81.6	27-112		1.02	20	
Bis(2-chloroethyl)ether	34.8	5.00	"	25.0		139	24-114	High Bias	56.7	20	Non-dir.
Bis(2-chloroisopropyl)ether	14.6	5.00	"	25.0		58.6	21-124		2.70	20	
Bis(2-ethylhexyl)phthalate	22.1	0.500	"	25.0		88.4	10-171		6.78	20	
Caprolactam	5.60	5.00	"	25.0		22.4	10-29		36.8	20	Non-dir.

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70944 - EPA 3510C											
LCS Dup (BJ70944-BSD1)								Prepared: 10/18/2017 Analyzed: 10/19/2017			
Carbazole	22.4	5.00	ug/L	25.0		89.4	49-116		9.02	20	
Chrysene	25.6	0.0500	"	25.0		102	33-120		16.3	20	
Dibenzo(a,h)anthracene	22.5	0.0500	"	25.0		90.2	10-149		4.04	20	
Dibenzofuran	20.1	5.00	"	25.0		80.2	42-105		4.44	20	
Diethyl phthalate	23.3	5.00	"	25.0		93.2	38-112		4.79	20	
Dimethyl phthalate	22.0	5.00	"	25.0		87.9	49-106		16.3	20	
Di-n-butyl phthalate	21.4	5.00	"	25.0		85.6	36-110		3.61	20	
Di-n-octyl phthalate	22.4	5.00	"	25.0		89.8	12-149		14.0	20	
Fluoranthene	24.2	0.0500	"	25.0		97.0	33-126		8.47	20	
Fluorene	21.6	0.0500	"	25.0		86.5	28-117		1.91	20	
Hexachlorobenzene	20.8	0.0200	"	25.0		83.4	27-120		9.23	20	
Hexachlorobutadiene	20.9	0.500	"	25.0		83.5	25-106		8.88	20	
Hexachlorocyclopentadiene	19.4	5.00	"	25.0		77.5	10-99		3.00	20	
Hexachloroethane	23.6	0.500	"	25.0		94.6	33-84	High Bias	11.9	20	
Indeno(1,2,3-cd)pyrene	22.0	0.0500	"	25.0		88.1	10-150		6.20	20	
Isophorone	18.0	5.00	"	25.0		72.0	29-115		12.6	20	
Naphthalene	24.3	0.0500	"	25.0		97.1	30-99		16.6	20	
Nitrobenzene	18.4	0.250	"	25.0		73.8	32-113		5.23	20	
N-Nitrosodimethylamine	9.37	0.500	"	25.0		37.5	10-63		10.4	20	
N-nitroso-di-n-propylamine	19.3	5.00	"	25.0		77.0	36-118		2.42	20	
N-Nitrosodiphenylamine	25.3	5.00	"	25.0		101	27-145		8.66	20	
Pentachlorophenol	22.8	0.250	"	25.0		91.4	19-127		3.70	20	
Phenanthrene	24.2	0.0500	"	25.0		97.0	31-112		11.0	20	
Phenol	14.6	5.00	"	25.0		58.5	10-37	High Bias	54.4	20	Non-dir.
Pyrene	23.0	0.0500	"	25.0		92.0	42-125		0.698	20	
Surrogate: 2-Fluorophenol	*39.5*		"	*75.2*		*52.5*	*12-64*				
Surrogate: Phenol-d5	*50.9*		"	*77.2*		*65.9*	*10-82*				
Surrogate: Nitrobenzene-d5	*38.3*		"	*51.8*		*74.0*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*39.2*		"	*51.8*		*75.7*	*16-84*				
Surrogate: 2,4,6-Tribromophenol	*104*		"	*77.0*		*135*	*15-104*				
Surrogate: Terphenyl-d14	*32.6*		"	*50.3*		*64.8*	*15-106*				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71109 - EPA 3510C											
Blank (BJ71109-BLK1)											
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.980	0.500	"								

Prepared: 10/20/2017 Analyzed: 10/22/2017

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71109 - EPA 3510C											
Blank (BJ71109-BLK1)											
Prepared: 10/20/2017 Analyzed: 10/22/2017											
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: 2-Fluorophenol	*29.7*		"	*75.7*		*39.2*	*12-64*				
Surrogate: Phenol-d5	*19.4*		"	*75.7*		*25.7*	*10-82*				
Surrogate: Nitrobenzene-d5	*45.7*		"	*53.2*		*85.8*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*34.5*		"	*51.5*		*67.0*	*16-84*				
Surrogate: 2,4,6-Tribromophenol	*69.3*		"	*75.5*		*91.8*	*15-104*				
Surrogate: Terphenyl-d14	*34.0*		"	*50.0*		*68.0*	*15-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71109 - EPA 3510C											
Blank (BJ71109-BLK2)								Prepared & Analyzed: 10/20/2017			
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	0.700	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								
LCS (BJ71109-BS1)								Prepared: 10/20/2017 Analyzed: 10/22/2017			
1,1-Biphenyl	18.0	5.00	ug/L	25.0		72.2	21-102				
1,2,4,5-Tetrachlorobenzene	16.8	5.00	"	25.0		67.3	28-105				
1,2,4-Trichlorobenzene	15.0	5.00	"	25.0		60.0	35-91				
1,2-Dichlorobenzene	14.9	5.00	"	25.0		59.6	42-85				
1,2-Diphenylhydrazine (as Azobenzene)	17.3	5.00	"	25.0		69.2	16-137				
1,3-Dichlorobenzene	14.1	5.00	"	25.0		56.2	45-80				
1,4-Dichlorobenzene	14.6	5.00	"	25.0		58.2	42-82				
2,3,4,6-Tetrachlorophenol	40.5	5.00	"	25.0		162	30-130	High Bias			
2,4,5-Trichlorophenol	20.0	5.00	"	25.0		79.9	36-112				
2,4,6-Trichlorophenol	21.0	5.00	"	25.0		84.2	41-107				
2,4-Dichlorophenol	18.3	5.00	"	25.0		73.2	43-92				
2,4-Dimethylphenol	15.7	5.00	"	25.0		63.0	25-92				
2,4-Dinitrophenol	19.7	5.00	"	25.0		78.9	10-149				
2,4-Dinitrotoluene	24.9	5.00	"	25.0		99.5	41-114				
2,6-Dinitrotoluene	24.8	5.00	"	25.0		99.2	49-106				
2-Chloronaphthalene	15.8	5.00	"	25.0		63.3	40-96				
2-Chlorophenol	16.8	5.00	"	25.0		67.4	35-84				
2-Methylnaphthalene	17.0	5.00	"	25.0		67.8	33-101				
2-Methylphenol	14.6	5.00	"	25.0		58.4	10-90				
2-Nitroaniline	23.2	5.00	"	25.0		92.9	31-122				
2-Nitrophenol	25.1	5.00	"	25.0		100	37-97	High Bias			
3- & 4-Methylphenols	14.3	5.00	"	25.0		57.1	10-101				
3,3-Dichlorobenzidine	18.1	5.00	"	25.0		72.4	25-155				
3-Nitroaniline	21.3	5.00	"	25.0		85.3	29-128				
4,6-Dinitro-2-methylphenol	34.7	5.00	"	25.0		139	10-135	High Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71109 - EPA 3510C											
LCS (BJ71109-BS1)								Prepared: 10/20/2017 Analyzed: 10/22/2017			
4-Bromophenyl phenyl ether	17.7	5.00	ug/L	25.0		70.7	38-116				
4-Chloro-3-methylphenol	18.6	5.00	"	25.0		74.3	28-101				
4-Chloroaniline	13.1	5.00	"	25.0		52.3	10-154				
4-Chlorophenyl phenyl ether	15.4	5.00	"	25.0		61.6	34-112				
4-Nitroaniline	20.6	5.00	"	25.0		82.6	15-143				
4-Nitrophenol	17.2	5.00	"	25.0		69.0	10-112				
Acenaphthene	15.9	0.0500	"	25.0		63.7	24-114				
Acenaphthylene	15.5	0.0500	"	25.0		62.0	26-112				
Acetophenone	17.9	5.00	"	25.0		71.6	47-92				
Aniline	10.1	5.00	"	25.0		40.3	10-107				
Anthracene	18.8	0.0500	"	25.0		75.3	35-114				
Atrazine	21.1	0.500	"	25.0		84.5	43-101				
Benzaldehyde	19.3	5.00	"	25.0		77.3	17-117				
Benzo(a)anthracene	19.2	0.0500	"	25.0		76.8	38-127				
Benzo(a)pyrene	20.8	0.0500	"	25.0		83.0	30-146				
Benzo(b)fluoranthene	21.2	0.0500	"	25.0		84.6	36-145				
Benzo(g,h,i)perylene	22.2	0.0500	"	25.0		88.9	10-163				
Benzo(k)fluoranthene	20.1	0.0500	"	25.0		80.4	16-149				
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias			
Benzyl alcohol	14.4	5.00	"	25.0		57.6	18-75				
Benzyl butyl phthalate	20.0	5.00	"	25.0		80.2	28-129				
Bis(2-chloroethoxy)methane	18.2	5.00	"	25.0		72.8	27-112				
Bis(2-chloroethyl)ether	16.9	5.00	"	25.0		67.7	24-114				
Bis(2-chloroisopropyl)ether	20.8	5.00	"	25.0		83.4	21-124				
Bis(2-ethylhexyl)phthalate	21.3	0.500	"	25.0		85.1	10-171				
Caprolactam	5.13	5.00	"	25.0		20.5	10-29				
Carbazole	19.3	5.00	"	25.0		77.2	49-116				
Chrysene	18.9	0.0500	"	25.0		75.4	33-120				
Dibenzo(a,h)anthracene	21.9	0.0500	"	25.0		87.7	10-149				
Dibenzofuran	17.0	5.00	"	25.0		68.0	42-105				
Diethyl phthalate	15.8	5.00	"	25.0		63.4	38-112				
Dimethyl phthalate	17.6	5.00	"	25.0		70.4	49-106				
Di-n-butyl phthalate	18.4	5.00	"	25.0		73.8	36-110				
Di-n-octyl phthalate	22.3	5.00	"	25.0		89.1	12-149				
Fluoranthene	18.6	0.0500	"	25.0		74.5	33-126				
Fluorene	16.4	0.0500	"	25.0		65.5	28-117				
Hexachlorobenzene	14.7	0.0200	"	25.0		59.0	27-120				
Hexachlorobutadiene	13.1	0.500	"	25.0		52.4	25-106				
Hexachlorocyclopentadiene	4.38	5.00	"	25.0		17.5	10-99				
Hexachloroethane	12.8	0.500	"	25.0		51.1	33-84				
Indeno(1,2,3-cd)pyrene	21.8	0.0500	"	25.0		87.2	10-150				
Isophorone	18.8	5.00	"	25.0		75.2	29-115				
Naphthalene	15.4	0.0500	"	25.0		61.7	30-99				
Nitrobenzene	18.8	0.250	"	25.0		75.3	32-113				
N-Nitrosodimethylamine	10.6	0.500	"	25.0		42.4	10-63				
N-nitroso-di-n-propylamine	14.3	5.00	"	25.0		57.1	36-118				
N-Nitrosodiphenylamine	19.9	5.00	"	25.0		79.7	27-145				
Pentachlorophenol	16.4	0.250	"	25.0		65.4	19-127				
Phenanthrene	19.6	0.0500	"	25.0		78.3	31-112				
Phenol	9.75	5.00	"	25.0		39.0	10-37	High Bias			
Pyrene	19.5	0.0500	"	25.0		77.9	42-125				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71109 - EPA 3510C											
LCS (BJ71109-BS1)								Prepared: 10/20/2017 Analyzed: 10/22/2017			
Surrogate: 2-Fluorophenol	*36.7*		*ug/L*	*75.7*		*48.5*	*12-64*				
Surrogate: Phenol-d5	*27.7*		*"*	*75.7*		*36.6*	*10-82*				
Surrogate: Nitrobenzene-d5	*43.7*		*"*	*53.2*		*82.1*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*34.2*		*"*	*51.5*		*66.5*	*16-84*				
Surrogate: 2,4,6-Tribromophenol	*73.7*		*"*	*75.5*		*97.6*	*15-104*				
Surrogate: Terphenyl-d14	*31.0*		*"*	*50.0*		*62.0*	*15-106*				
LCS (BJ71109-BS2)								Prepared & Analyzed: 10/20/2017			
Acenaphthene	0.730	0.0500	ug/L	1.00		73.0	24-114				
Acenaphthylene	0.730	0.0500	"	1.00		73.0	26-112				
Anthracene	0.740	0.0500	"	1.00		74.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzo(a)anthracene	0.770	0.0500	"	1.00		77.0	38-127				
Benzo(a)pyrene	0.750	0.0500	"	1.00		75.0	30-146				
Benzo(b)fluoranthene	0.740	0.0500	"	1.00		74.0	36-145				
Benzo(g,h,i)perylene	0.890	0.0500	"	1.00		89.0	10-163				
Benzo(k)fluoranthene	0.930	0.0500	"	1.00		93.0	16-149				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Chrysene	0.850	0.0500	"	1.00		85.0	33-120				
Dibenzo(a,h)anthracene	0.920	0.0500	"	1.00		92.0	10-149				
Fluoranthene	0.870	0.0500	"	1.00		87.0	33-126				
Fluorene	0.860	0.0500	"	1.00		86.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	0.890	0.0500	"	1.00		89.0	10-150				
Naphthalene	0.710	0.0500	"	1.00		71.0	30-99				
Nitrobenzene	ND	0.250	"				32-113				
N-Nitrosodimethylamine	ND	0.500	"				10-63				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.670	0.0500	"	1.00		67.0	31-112				
Pyrene	0.800	0.0500	"	1.00		80.0	42-125				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71109 - EPA 3510C											
LCS Dup (BJ71109-BSD1)								Prepared: 10/20/2017 Analyzed: 10/22/2017			
1,1-Biphenyl	17.8	5.00	ug/L	25.0		71.3	21-102		1.23	20	
1,2,4,5-Tetrachlorobenzene	16.5	5.00	"	25.0		66.0	28-105		2.04	20	
1,2,4-Trichlorobenzene	14.6	5.00	"	25.0		58.5	35-91		2.57	20	
1,2-Dichlorobenzene	14.3	5.00	"	25.0		57.0	42-85		4.39	20	
1,2-Diphenylhydrazine (as Azobenzene)	16.8	5.00	"	25.0		67.0	16-137		3.11	20	
1,3-Dichlorobenzene	14.0	5.00	"	25.0		55.9	45-80		0.642	20	
1,4-Dichlorobenzene	13.7	5.00	"	25.0		54.9	42-82		5.94	20	
2,3,4,6-Tetrachlorophenol	42.0	5.00	"	25.0		168	30-130	High Bias	3.59	20	
2,4,5-Trichlorophenol	19.8	5.00	"	25.0		79.2	36-112		0.905	20	
2,4,6-Trichlorophenol	20.8	5.00	"	25.0		83.1	41-107		1.24	20	
2,4-Dichlorophenol	17.7	5.00	"	25.0		70.9	43-92		3.22	20	
2,4-Dimethylphenol	15.8	5.00	"	25.0		63.1	25-92		0.254	20	
2,4-Dinitrophenol	22.6	5.00	"	25.0		90.4	10-149		13.6	20	
2,4-Dinitrotoluene	26.5	5.00	"	25.0		106	41-114		6.50	20	
2,6-Dinitrotoluene	44.1	5.00	"	25.0		177	49-106	High Bias	56.0	20	Non-dir.
2-Chloronaphthalene	15.5	5.00	"	25.0		62.1	40-96		1.91	20	
2-Chlorophenol	17.3	5.00	"	25.0		69.0	35-84		2.46	20	
2-Methylnaphthalene	17.0	5.00	"	25.0		68.0	33-101		0.236	20	
2-Methylphenol	15.4	5.00	"	25.0		61.8	10-90		5.59	20	
2-Nitroaniline	24.7	5.00	"	25.0		98.7	31-122		6.10	20	
2-Nitrophenol	25.5	5.00	"	25.0		102	37-97	High Bias	1.78	20	
3- & 4-Methylphenols	13.9	5.00	"	25.0		55.5	10-101		2.77	20	
3,3-Dichlorobenzidine	17.6	5.00	"	25.0		70.6	25-155		2.63	20	
3-Nitroaniline	22.5	5.00	"	25.0		89.8	29-128		5.21	20	
4,6-Dinitro-2-methylphenol	37.0	5.00	"	25.0		148	10-135	High Bias	6.42	20	
4-Bromophenyl phenyl ether	17.1	5.00	"	25.0		68.3	38-116		3.45	20	
4-Chloro-3-methylphenol	19.1	5.00	"	25.0		76.4	28-101		2.81	20	
4-Chloroaniline	13.5	5.00	"	25.0		54.0	10-154		3.24	20	
4-Chlorophenyl phenyl ether	16.4	5.00	"	25.0		65.5	34-112		6.04	20	
4-Nitroaniline	22.4	5.00	"	25.0		89.6	15-143		8.13	20	
4-Nitrophenol	17.5	5.00	"	25.0		69.9	10-112		1.27	20	
Acenaphthene	16.0	0.0500	"	25.0		64.0	24-114		0.439	20	
Acenaphthylene	15.4	0.0500	"	25.0		61.6	26-112		0.647	20	
Acetophenone	17.3	5.00	"	25.0		69.3	47-92		3.35	20	
Aniline	9.47	5.00	"	25.0		37.9	10-107		6.24	20	
Anthracene	18.3	0.0500	"	25.0		73.3	35-114		2.75	20	
Atrazine	21.4	0.500	"	25.0		85.4	43-101		1.13	20	
Benzaldehyde	20.1	5.00	"	25.0		80.4	17-117		3.96	20	
Benzo(a)anthracene	19.2	0.0500	"	25.0		77.0	38-127		0.312	20	
Benzo(a)pyrene	19.4	0.0500	"	25.0		77.8	30-146		6.52	20	
Benzo(b)fluoranthene	20.0	0.0500	"	25.0		80.0	36-145		5.64	20	
Benzo(g,h,i)perylene	21.0	0.0500	"	25.0		84.1	10-163		5.55	20	
Benzo(k)fluoranthene	18.8	0.0500	"	25.0		75.2	16-149		6.63	20	
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	15.2	5.00	"	25.0		60.8	18-75		5.40	20	
Benzyl butyl phthalate	20.8	5.00	"	25.0		83.3	28-129		3.82	20	
Bis(2-chloroethoxy)methane	18.5	5.00	"	25.0		74.0	27-112		1.53	20	
Bis(2-chloroethyl)ether	17.8	5.00	"	25.0		71.3	24-114		5.18	20	
Bis(2-chloroisopropyl)ether	20.6	5.00	"	25.0		82.2	21-124		1.45	20	
Bis(2-ethylhexyl)phthalate	21.6	0.500	"	25.0		86.3	10-171		1.40	20	
Caprolactam	5.81	5.00	"	25.0		23.2	10-29		12.4	20	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71109 - EPA 3510C											
LCS Dup (BJ71109-BSD1)									Prepared: 10/20/2017 Analyzed: 10/22/2017		
Carbazole	18.8	5.00	ug/L	25.0		75.4	49-116		2.36	20	
Chrysene	18.6	0.0500	"	25.0		74.2	33-120		1.66	20	
Dibenzo(a,h)anthracene	21.7	0.0500	"	25.0		86.6	10-149		1.19	20	
Dibenzofuran	16.7	5.00	"	25.0		66.7	42-105		1.84	20	
Diethyl phthalate	16.8	5.00	"	25.0		67.1	38-112		5.70	20	
Dimethyl phthalate	18.2	5.00	"	25.0		72.8	49-106		3.46	20	
Di-n-butyl phthalate	18.6	5.00	"	25.0		74.4	36-110		0.810	20	
Di-n-octyl phthalate	23.0	5.00	"	25.0		92.0	12-149		3.14	20	
Fluoranthene	18.5	0.0500	"	25.0		74.2	33-126		0.484	20	
Fluorene	16.8	0.0500	"	25.0		67.0	28-117		2.29	20	
Hexachlorobenzene	14.8	0.0200	"	25.0		59.4	27-120		0.743	20	
Hexachlorobutadiene	13.2	0.500	"	25.0		52.7	25-106		0.533	20	
Hexachlorocyclopentadiene	4.82	5.00	"	25.0		19.3	10-99		9.57	20	
Hexachloroethane	12.6	0.500	"	25.0		50.6	33-84		1.02	20	
Indeno(1,2,3-cd)pyrene	21.0	0.0500	"	25.0		83.8	10-150		3.98	20	
Isophorone	18.1	5.00	"	25.0		72.5	29-115		3.63	20	
Naphthalene	15.1	0.0500	"	25.0		60.6	30-99		1.90	20	
Nitrobenzene	19.1	0.250	"	25.0		76.5	32-113		1.58	20	
N-Nitrosodimethylamine	9.23	0.500	"	25.0		36.9	10-63		13.7	20	
N-nitroso-di-n-propylamine	15.1	5.00	"	25.0		60.4	36-118		5.59	20	
N-Nitrosodiphenylamine	20.4	5.00	"	25.0		81.8	27-145		2.53	20	
Pentachlorophenol	16.1	0.250	"	25.0		64.2	19-127		1.85	20	
Phenanthrene	19.0	0.0500	"	25.0		76.1	31-112		2.80	20	
Phenol	9.71	5.00	"	25.0		38.8	10-37	High Bias	0.411	20	
Pyrene	20.6	0.0500	"	25.0		82.3	42-125		5.49	20	
Surrogate: 2-Fluorophenol	*37.8*		"	*75.7*		*50.0*	*12-64*				
Surrogate: Phenol-d5	*28.3*		"	*75.7*		*37.4*	*10-82*				
Surrogate: Nitrobenzene-d5	*41.7*		"	*53.2*		*78.4*	*12-96*				
Surrogate: 2-Fluorobiphenyl	*32.9*		"	*51.5*		*63.9*	*16-84*				
Surrogate: 2,4,6-Tribromophenol	*74.1*		"	*75.5*		*98.1*	*15-104*				
Surrogate: Terphenyl-d14	*32.3*		"	*50.0*		*64.7*	*15-106*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71117 - EPA 3015A											
Blank (BJ71117-BLK1)											Prepared & Analyzed: 10/20/2017
Arsenic	ND	0.004	mg/L								
Barium	ND	0.011	"								
Beryllium	ND	0.001	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.006	"								
Copper	0.014	0.003	"								
Lead	ND	0.006	"								
Manganese	ND	0.006	"								
Nickel	ND	0.006	"								
Selenium	ND	0.011	"								
Silver	ND	0.006	"								
Zinc	ND	0.017	"								
Reference (BJ71117-SRM1)											Prepared & Analyzed: 10/20/2017
Arsenic	0.738		ug/mL	0.740		99.8	84.3-114.3				
Barium	0.515		"	0.500		103	85-115				
Beryllium	0.453		"	0.460		98.5	85-115				
Cadmium	0.227		"	0.240		94.8	84.9-115				
Chromium	0.864		"	0.860		101	85-115				
Copper	0.348		"	0.320		109	85-115				
Lead	0.615		"	0.640		96.0	85-115				
Manganese	1.08		"	1.02		106	84.9-115				
Nickel	1.78		"	1.78		99.8	87-113.7				
Selenium	0.658		"	0.680		96.8	85.1-115.1				
Silver	0.593		"	0.600		98.9	85-115				
Zinc	1.52		"	1.62		93.7	84.9-115				

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ71129 - EPA 7473 water											
Blank (BJ71129-BLK1)								Prepared & Analyzed: 10/20/2017			
Mercury	ND	0.00020	mg/L								
Duplicate (BJ71129-DUP1)	*Source sample: 17J0667-01 (MW-1)							Prepared & Analyzed: 10/20/2017			
Mercury	ND	0.00020	mg/L		ND					20	
Matrix Spike (BJ71129-MS1)	*Source sample: 17J0667-01 (MW-1)							Prepared & Analyzed: 10/20/2017			
Mercury	0.00180		mg/L	0.00200	ND	90.0	75-125				
Reference (BJ71129-SRM1)								Prepared & Analyzed: 10/20/2017			
Mercury	0.00630		mg/L	0.00740		85.1	70-130				

Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ70831 - Analysis Preparation											
Blank (BJ70831-BLK1)									Prepared & Analyzed: 10/16/2017		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BJ70831-BS1)									Prepared & Analyzed: 10/16/2017		
Chromium, Hexavalent	0.517	0.0100	mg/L	0.500		103	80-120				
Duplicate (BJ70831-DUP1)	*Source sample: 17J0667-03 (2017.10.16-DUPW1)								Prepared & Analyzed: 10/16/2017		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BJ70831-MS1)	*Source sample: 17J0667-03 (2017.10.16-DUPW1)								Prepared & Analyzed: 10/16/2017		
Chromium, Hexavalent	0.520	0.0100	mg/L	0.500	ND	104	75-125				
Batch BJ71180 - Analysis Preparation											
Blank (BJ71180-BLK1)									Prepared & Analyzed: 10/23/2017		
Cyanide, total	ND	0.0100	mg/L								
LCS (BJ71180-BS1)									Prepared & Analyzed: 10/23/2017		
Cyanide, total	0.192	0.0100	mg/L	0.200		96.0	76.2-107				
Duplicate (BJ71180-DUP1)	*Source sample: 17J0667-01 (MW-1)								Prepared & Analyzed: 10/23/2017		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BJ71180-MS1)	*Source sample: 17J0667-01 (MW-1)								Prepared & Analyzed: 10/23/2017		
Cyanide, total	0.177	0.0100	mg/L	0.200	ND	88.5	79-105				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17J0667-01	MW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0667-02	MW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0667-03	2017.10.16-DUPW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17J0667-04	2017.10.16-TB02	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 17J0667

YOUR Information

Company: Langan Engineering
Address: 555 Long Wharf Dr. New Haven CT
Phone No. 203-562-5771
Contact Person: JHALL
E-Mail Address: JHALL@LANGAN.COM

Report To:

Company:
Address: SAME
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company:
Address: SAME
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

140169807

Purchase Order No.

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report ___
- Summary w/ QA Summary X
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package ___
- NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)

- Simple Excel X
- NYSDEC EQuIS ___
- EQuIS (std) ___
- EZ-EDD (EQuIS) ___
- NJDEP SRP HazSite EDD ___
- GIS/KEY (std) ___
- Other ___

York Regulatory Comparison
Excel Spreadsheet X
Compare to the following Regs. (please fill in):
NYSDEC PART 375

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Justin Hall
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxin/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	List Below - Part 375	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-1	10-16-17 09:20	GW	VOC (8260), SVOC (8270), NYSDEC Part 375 Metals List	3-VOA HCL, 1-250 HNO3, 2-1L Amber
MW-2	11:10			
2017.10.16-DUPW1	N/A			
2017.10.16-TB02	N/A	TB		2-VOA HCL

Comments
We have RL's meet NYSDEC Part 375 criteria
Please forward results to RWohlstrom@Langan

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl X MeOH ___ HNO_3 X H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Samples Relinquished By — Date/Time: 10/16/17 2:18
Samples Relinquished By — Date/Time:
Samples Received By — Date/Time: 10/16/17 2:18
Samples Received in LAB by — Date/Time: 10-16-17 1419

Temperature on Receipt 4.3 °C

SESI
CONSULTING
ENGINEERS

Geotechnical
Foundations
Land Planning
Geo-Structural
Environmental
Water Resources

Principals:

Steven P. Byszewski, PE, PP
Anthony Castillo, PE
Fuad Dahan, PhD, PE, LSRP
Roger Hendrickson
John M. Nederfield, PE
Justin M. Protasiewicz, PE
Kenneth Quazza, PE
Michael St. Pierre, PE

September 13, 2019 *via email: rwalker@brpcompanies.com*

Mr. Rashid Walker
BRP Companies
767 3rd Avenue, 33rd Floor
New York, NY 10017

RE: Preliminary Geotechnical Investigation and Report
Proposed Redevelopment
500 Main Street
New Rochelle, New York
SESI Project No. 10637

Dear Mr. Walker:

In accordance with our Professional Services Agreement Revised August 14, 2019, we have completed our preliminary geotechnical investigation for the above referenced project. This report contains a description of our investigation, an evaluation of the subsurface soil and groundwater characteristics, and presents recommendations for general site preparation procedures and foundation design criteria for the planned construction.

If you have any questions, please call.

Sincerely,

SESI CONSULTING ENGINEERS D.P.C.

Michael St. Pierre, P.E.
Principal

Encl: Preliminary Geotechnical Investigation Report dated September 13, 2019

N:\PROJECTS\10637 - New Rochelle, NY (500 Main - BRP)\Reports\bal_10637_GeoRpt_09.09.19.docx

SESI
CONSULTING
ENGINEERS

PRELIMINARY GEOTECHNICAL INVESTIGATION REPORT

FOR

Proposed Redevelopment
500 Main Street
New Rochelle, Westchester County, New York

Prepared For:

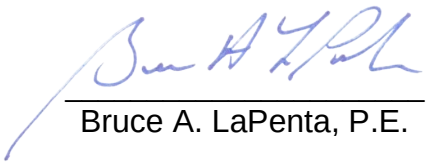
BRP Companies
767 3rd Avenue, 33rd Floor
New York, NY 10017

Prepared By:

SESI CONSULTING ENGINEERS D.P.C.
12A Maple Avenue
Pine Brook, NJ 07058

Project No.: 10637

DATE:
September 13, 2019



Bruce A. LaPenta, P.E.

Michael St. Pierre, P.E.
N.Y. Lic. No. 80271

INTRODUCTION AND PROPOSED CONSTRUCTION

SESI has completed a preliminary geotechnical investigation for the proposed redevelopment at 500 Main Street in New Rochelle, New York. The existing property consists of four parcels: 500 Main Street (Block 215, Lot 12), 506 Main Street (Block 215, Lot 11), 510 Main Street (Block 215, Lot 10) and 12 Church Street. The proposed building lot is bounded by Main Street to the northwest, Church Street to the southwest, an access driveway and a three (3) story brick building to the southeast and a two (2) story building and an existing private parking lot to the northeast.

Topography shown on the *Exploration Location Plan,* prepared by Langan, dated March 14, 2019, indicates a low point elevation of about 89 at the eastern corner of the existing building and a high point elevation at the western corner of the existing building of about 96. The site grades downward along Church Street from north to south and along Main Street slopes downward from west to east.

Based on the architectural plans prepared by Stephen W. Gresham, AIA Architect, dated July 12, 2018, SESI understands the proposed building will have a ground level, built-over area of approximately 32,000 square feet (sq. ft.) and will have an approximate 4,500 sq. ft. basement area in the southern corner of the proposed building. The basement area will consist of utility rooms. The first floor of the building will consist of a church, retail space, lobby area and the entrance to a vehicle lift area, providing access to parking facilities on the third, fourth and fifth floors. The second floor will be utilized for class room and office space. The sixth through 26th floors will provide residential housing units. The residential towers are proposed to have an “H” shaped cross-section with a gross square footage of approximately 20,400 sq. ft. The finished floor elevations for the first floor vary from about 93.5 to about 95.7. The basement floor elevation has not been provided, but we assume it will be a minimum of 10 feet below the proposed first story elevations. We have also not been provided with the proposed column and/or foundation loads at the time of this writing, but have assumed relatively heavy column loads.

FIELD INVESTIGATION

Our engineering study consisted of a site reconnaissance, a review of existing soils and geologic data, a review of the draft, “Revised Preliminary Geotechnical Assessment, 500 Main Street,” memorandum, prepared by Langan CT, Inc., (Langan) revised March 6, 2019 and a field investigation consisting of seven (7) soil borings. Two (2) soil borings were performed by Langan in October of 2017, and each of the Langan borings were converted to a well at the completion of the boring. The Langan borings were performed to depths between about five (5) and 31 feet below the existing ground surface. Due to the presence of the existing structures on the proposed building lot, the SESI borings were generally performed in accessible areas around the exterior of the occupied parcels. The SESI soil borings were completed to depths ranging from approximately 25 to 48 feet below the existing ground surface with a truck-mounted drill rig. Soil borings B-1 and B-2 were located in the sidewalk of Main Street and Church Street, respectively. Borings B-5, B-6 and B-7 were completed on the adjacent property Boring elevations were

estimated based on ground surface elevations on the Langan plan. The actual depths and elevations provided on the boring logs may vary slightly from the actual elevations.

SESI also completed a geoprobe exploration program between July 16 and July 19, 2019 within the existing 500 Main Street structure and adjacent properties, consisting of 23 probes to depths ranging from about two (2) to nine (9) feet below the existing ground surface and basement floor levels. Based on basement floor levels, about 10 feet below grade, the exploration depths extended up to 19 feet below grade.

The locations of the soil borings and probes are shown on the *Boring Location Plan*, which is included as ***Figure 1***. Individual soil boring logs, which describe the materials encountered, are presented as ***Figures 2 through 8***. Individual soil probe logs are presented as **Figures 9 through 31**. A key to soil terminology is included as ***Figure 32.*** The Langan borings are included in **Appendix A**.

Soil samples suitable for identification purposes were extracted from the borings in accordance with the Standard Penetration Test. For this test, a standard split-spoon sampler (2 inches outside diameter, one and three-eighths inches inside diameter) is driven into the soil by a 140-pound weight falling 30 inches. After discounting the initial six inches of penetration due to possible disturbance of the material resulting from the drilling operation, the number of blows required to advance the sampler a distance of 12 inches are recorded and designated as the standard penetration resistance or “N” value. The “N” value is an indication of the relative compactness of the soil in-situ. Top of rock was encountered in each of six (6) borings, Boring B-1 may have been completed on a boulder. With the exception of boring B-1, five (5) feet of rock coring was performed to collect rock cores for classification purposes. An additional five (5) foot rock core run was performed in boring B-7 due to the results encountered in the first core run.

All fieldwork was performed under the full-time technical observation of an engineer from SESI Consulting Engineers D.P.C. Our representative located the borings in the field, maintained boring logs of the explorations as work proceeded, and coordinated the soil sampling operations in order to develop the required subsurface information. All soil and rock core samples were taken to our geotechnical laboratory for further classification and evaluation.

Upon completion of the fieldwork, representative soil samples were brought to the SESI office in Pine Brook, New Jersey for classification and appropriate geotechnical testing. Laboratory testing consisted of three (3) mechanical grain size analyses, four (4) percent passing sieve No. 200 tests, and seven (7) water content determinations. The results of the water content determinations, and percent passing sieve No. 200 tests are included on the individual boring logs. The results of the mechanical grain size analyses are attached in **Appendix B***.*

SUBSURFACE CONDITIONS

The project site is situated within the Hartland terrain, a sub-province of the Manhattan Prong. The Manhattan Prong is a belt of metamorphic rock which extends from Staten Island northeastward into New England. The Hartland terrain is underlain by the Hartland formation which consists of Cambro-Ordovician schists, amphibolite, pegmatite and quartz-feldspar gneisses. The bedrock has a soil profile developed by the in-situ weathering of the bedrock which is blanketed by a variable layer of alluvial soils associated with Pleistocene glaciation.

The following subsurface conditions were encountered in order of increasing depth:

Surface Materials: Surface materials typically consisted of 2 to 3 inches of asphalt or 5 to 6 inches of concrete underlain by fill materials.

Uncontrolled Fill: Uncontrolled fill was encountered below the surface materials in each of the borings generally consisting of orange-brown/brown coarse to fine sand and silt, some coarse to fine gravel with brick and traces of organics (roots). The uncontrolled fill ranges in depth from about two (2) to 16 feet below the ground surface. In borings B-1 and B-3 fill appears to extend to depths of between 14 and 16 feet. In boring B-3 samples collected from about 10 to 16 feet below the ground surface did not recover soil samples and the fill determination was based on the relatively low SPT N-values.

In general, the N-values in borings B-1 (15 feet), B-2 (5 feet) and B-3 (16 feet) ranged from weight of hammer to eight (8) blows per foot, with an average N-value of four (4). N-values in the remaining borings ranged from about five (5) to 55 blows per foot averaging about 25 blows per foot. Overall, the fill soils can be classified as very loose to medium dense which is typical for an uncontrolled fill.

Alluvial Deposits: Beneath the uncontrolled fill, the borings encountered alluvial deposits which generally consisted of a relatively thin layer of clayey silt immediately beneath the fill, or coarse to fine sand with varying amounts of silt, clayey silt and coarse to fine gravel. The layer ranged from two (2) to 18 feet in thickness and has SPT N-values ranging from 17 blows per foot to 116 blows per eight (8) inches indicating the strata to be medium to very dense. Based on isolated, relatively high SPT N-values and drilling observations, cobbles and boulders are also considered to be present in the layer. Boring B-1 was completed in the alluvial layer with, to general appearance, refusal on a boulder.

Residual Soils: Beneath the alluvial deposits in boring B-3, B-6 and B-7 are variable layers of residual soils generally consisting of friable, sand and gravel-sized angular particles of mica schist/gneiss in a matrix of silt or clayey silt. This unit is derived from the in-place weathering of the underlying bedrock and typically exhibits a strong relict structure of the banded, foliated parent rock. There were instances where quartz-feldspar rich lenses were encountered that exhibited a lower degree of weathering than the micaceous matrix and coarse sand and gravel-sized angular particles were dominant. This layer is considered transitional with the underlying decomposed rock and varied from five (5) to 18 feet in thickness in the noted

borings. SPT N-values range from about 19 blows per foot to 75 blows per nine (9) inches.

Decomposed Rock: Decomposed rock was encountered at depths ranging from about 14 to 38 feet below existing grade in borings B-3, B-5, B-6 and B-7. The decomposed rock was consistent with the bedrock underlying the project site consisting of mica schist, gneiss and pegmatite. The term decomposed rock has been applied to soil like materials retaining the relict structure of the underlying parent rock and exhibiting SPT N-values greater than 50 blows per six (6) inches.

Bedrock: Bedrock was encountered in each boring except boring B-1 at depths ranging between 20 and 38 feet below the ground surface which correlates to elevations of approximately 51 to 76. Bedrock elevations were more consistent on the northwest side of the site ranging from elevations of 67.5 to 76. The rock was encountered deeper in borings B-6 and B-7 with the top of rock encountered at about elevation 51 and about elevation 54, respectively. The rock encountered in borings B-2 to B-6 generally consisted of highly weathered schist, slightly to moderately weathered pegmatite or slightly to moderately weathered gneiss.

Rock core recoveries ranged from about 55 percent to 97 percent, with an average recovery of about 82 percent. Rock quality designation (RQD) was also recorded for each of the rock cores and ranged from about 0 percent to 95 percent with an average RQD of about 50 percent.

See the Table below for the relationship between RQD and Rock Quality.

RELATIONSHIP OF RQD AND ROCK QUALTIY:

ROCK QUALITY DESIGNATION (RQD)[1]	DESCRIPTION OF ROCK QUALITY
0 – 25	VERY POOR
25 – 50	POOR
50 – 75	FAIR
75 – 90	GOOD
90 – 100	EXCELLENT

[1] **"Rock Quality Designation"** is defined as a modified core recovery ratio that considers only pieces of the core that are at least 4 inches long. Obvious fractures caused by drilling are ignored in this system.

Groundwater: Groundwater evidence was noted in SESI borings B-1, B-3, B-4 and B-5 at depths of about 12 feet, 12.5 feet, 9 feet and 7.5 feet, respectively, during the short period of time that the holes were left open. Mud rotary drilling techniques used in the majority of the soil borings made identification of the groundwater table difficult. Groundwater was also observed in Langan observation wells SB-1 (OW) and SB-2 (OW) at depths of about 10.4 feet (El. 82.6±) and 10.7 feet (El. 78.3±) below the general ground surface, respectively. SB-2 was performed in the

basement of the existing building at 500 Main Street. During the soil probe program additional groundwater readings were collected from SB-01 and SB-02 indicating water level readings of about 13 feet (El. 80±) and 10.5 feet (El. 78.5±), respectively.

Perched/trapped groundwater may also be encountered in the uncontrolled fill and/or at the bedrock surface based on the time of year and amount of recent precipitation. Based on the observed groundwater depths, groundwater should be anticipated to be encountered during construction. The basement area of the building may require a permanent dewatering system or a water tight, "bathtub" foundation.

EVALUATION AND RECOMMENDATIONS

The recommended Site preparation and building support considerations discussed in this report are based primarily on geotechnical engineering considerations. Our geotechnical design considerations may require modifications to address environmental and/or legal considerations. This may include reuse of on-site materials, handling and disposal of soils, pumping/treating of groundwater, etc. This report should be reviewed in conjunction with the Phase II Environmental Site Assessment performed by SESI in July 2019.

General

Based on the results of the preliminary subsurface exploration program, from a soils and foundation support standpoint, this site can be considered good with respect to providing satisfactory support of the proposed buildings with the exception of the very loose to loose uncontrolled fill observed to depths of five (5) to 17 feet in borings B-1 to B-3. The underlying alluvial soils, residual soils, decomposed bedrock and bedrock will provide suitable support for conventional shallow foundations with moderate to high allowable bearing capacities. The primary negative aspects of the project site are the presence of the uncontrolled fill materials and the relatively high groundwater levels encountered in the borings and wells. Based on the boring information and the assumed basement grades, 10 feet below the existing ground surface, it is anticipated that rock will not be encountered. Should design basement levels for the proposed building extend deeper than 20 feet below existing grades, rock may be encountered. Due to the presence of a basement in the existing building at 500 Main Street, SESI recommends, at a minimum, extending the proposed new building foundation to or below the bearing grade for the existing structure. Based on the soil probe program it appears that the other structures on the project site may not have basements; however, this should be confirmed prior to construction.

Probes S-16 to S-23, performed in the basement of the existing building at 500 Main Street encountered refusal at depths of 12 to 14 feet below the existing ground surface grades, outside the building. These depths, in comparison to the borings performed as part of the preliminary geotechnical investigation, would represent completion in the uncontrolled fill or alluvial materials. The soil probe program was completed using a track mounted Geoprobe rig to advance the probe.

An evaluation of the foundations for the adjacent building, at the northern corner of the property, will also need to be conducted to determine if the structure is constructed on conventional shallow spread footings or a mat foundation bearing in the upper, natural soil strata (alluvial or residual soils). Foundations bearing in the upper strata may need to be underpinned prior to excavating for the proposed building foundations.

SITE PREPARATION PROCEDURES

General

In general, the site preparation procedures would begin with razing the existing structure, pavement and removal of uncontrolled fill, if encountered, from within the building and pavement areas, then cutting the site materials to proposed bearing grades. Removal of the uncontrolled fill would include the installation of a temporary excavation support system, (to be discussed later in the report) and then mass excavating the uncontrolled fill and old building foundations (if present) from within the proposed building limits to the proposed bearing grades. It may be possible to include the existing basement walls in the excavation support system.

Prior to placing any fill material on the site, or constructing foundations on the exposed ground surface, the entire area should be proofrolled with a double drum walk behind vibratory roller under the observation of a qualified geotechnical engineer. The proofrolling should consist of making a minimum of four (4) complete coverages of the area. Any soft areas disclosed during the proofrolling should be excavated to stable material and backfilled in a controlled manner.

Controlled fill, when required, should be placed in maximum 12-inch thick lifts, with each layer compacted to the required density using a large vibratory roller (minimum 10-ton static drum weight). In areas not accessible by the large vibratory roller, smaller compaction equipment (i.e. a double drum walk behind vibratory roller) may be used. The use of smaller compaction equipment may require thinner lift thickness and/or increasing the number of equipment passes to achieve the required compaction. Building area fills should be compacted to a minimum of 92 percent with an average of greater than 95 percent of the Modified Proctor density (ASTM D 1557). Areas, which will not have any foundations, pavement or other structural loads, may be compacted to a minimum of 90 percent of the maximum Modified Proctor density (ASTM D 1557).

Offsite borrow material, if required, should have a maximum particle size of four inches and the maximum amount of fines (percentage passing a No. 200 mesh sieve) should be 15% to help facilitate construction during wet weather. The “fines” should be non-plastic.

Backfill in confined areas such as utility trenches and foundations within load bearing or paved areas should be placed in maximum 6-inch thick layers and compacted to a minimum of 92 percent and an average of greater than 95 percent density.

If any of the soils contain significant percentages of silt/clay, they will readily soften during wet weather and from construction activity. Wetting or drying of the fill material should be accomplished as necessary to achieve the required density. The subgrade should be graded to drain and tight-rolled at the end of the day, particularly if wet weather is anticipated.

If stormwater seepage or groundwater is encountered during construction, gravel filled sumps with pumps should be installed below the subgrade elevation to allow for dewatering of the excavation. The site should be graded to prevent stormwater from flowing in to the excavations.

Demolition

At the time of our investigation, the existing site consisted of four parcels, each with structures of various heights and configurations. The structure with the largest footprint area is a two (2) story building with one (1) below grade basement level, the remaining three parcels are occupied by two (2) and three (3) story structures with unknown, below grade, basement levels. Therefore, site preparation should begin by removing the existing buildings and removing all existing site improvements from within and at least five feet (if possible) beyond the limits of the proposed buildings. All foundations, subsurface walls, concrete slabs, asphalt and subsurface utilities that will be abandoned should be completely removed from within and at least five feet beyond the limits of the proposed building areas (if possible) or as required to achieve the required excavation. Any excavations created by the removal of the existing building elements and utilities should be backfilled with controlled compacted fill if required to achieve final site grades. The controlled compacted fill should be placed in accordance with the recommendations of this report under the observation of a geotechnical engineer.

It may be possible to leave the old below-grade foundation walls in-place around the site perimeter to be used as a temporary support of excavation if they do not interfere with the proposed construction and are further evaluated by a structural engineer.

Permanent Walls

Permanent below-grade walls should be designed to resist lateral loadings from static earth pressure, water pressure (if present), and vertical surcharges. Backfill should not be placed against below-grade walls until the concrete has reached its 28-day compressive strength and after adequate lateral bracing has been provided to prevent rotation of the wall. We recommend the following design parameters:

- For braced walls (no rotation) a triangular earth pressure distribution with an equivalent fluid pressure of 60 pounds per square foot per foot of depth for unsaturated soil.

- For cantilevered walls a triangular earth pressure distribution with an equivalent fluid pressure of 42 pounds per square foot per foot of depth for unsaturated soil.

- Lateral pressures due to surface surcharges should have a uniform distribution based on a pressure equal to 0.5 times the vertical pressure for the entire depth

of the wall. We recommend using a minimum surcharge load of 250 pounds per square foot to account for fire truck loading scenarios.

All retaining walls should be provided with positive drainage behind the wall to preclude hydrostatic pressures from developing.

Utility Lines

The site soils will provide suitable support for the proposed utility lines. Cobbles greater than 4 inches in diameter should be removed from the utility line subgrade or a minimum 4-inch thick sand layer placed beneath the utility lines. If utility lines fall within very loose to loose soils, the excavation should be extended an additional 12 inches and replaced with ¾-inch clean crushed stone or clean sand and gravel.

Backfill material placed around utility lines to 6 inches above the utility line should have a maximum particle size of 1.5 inches. Backfill of utility trenches that fall within load-bearing areas should be placed in maximum 6-inch thick lifts and compacted to the same density requirements as in the building/parking areas. Trench backfill in non-load bearing areas should be compacted to 90 percent of Modified Proctor density (ASTM D1557).

Control of Groundwater

Due to the general presence of groundwater in the subsurface explorations at depths of about seven (7) feet to about 13 feet below the existing ground surface, dewatering or waterproofing of the below grade portion of the structure may be required. Depending on the design depth of the proposed foundations, the project may require either a watertight, “bathtub” foundation a or permanent dewatering system.

The bathtub foundation would consist of the construction of a watertight foundation perimeter wall and foundation slab system to prevent groundwater from entering the structure. The watertight system would likely include the use of a membrane such as the Preprufe/Bituthene waterproofing system by W. R. Grace and Co. and the use of water-stops at joints where foundation wall sections and slab come together. The bathtub foundation would also need to accommodate the forces associated with the applied lateral and buoyant hydrostatic pressures of the groundwater. The bathtub foundation would need to be designed to meet the site conditions by a qualified structural engineer and waterproofing expert.

The foundation can also be designed with a permanent dewatering system consisting of a minimum 12-inch thickness of ¾” clean stone placed below the slab with a network of 4” perforated ADS piping drained to a sump pit or chamber with dual alternating pumps and a back-up power supply. The lowest floor slab should be waterproofed and designed as a pressure slab to accommodate the upward hydrostatic forces. This should be coordinated with the environmental engineer to determine if any treatment of the water is necessary.

Due to indications of perched water in the preliminary explorations, groundwater seepage will likely be encountered during construction trapped throughout the overburden soils, especially during periods of wet weather. During construction,

gravel filled sumps with pumps will be required to allow for temporary dewatering of the excavation.

FOUNDATION DESIGN CRITERIA

The building foundation may be designed as a conventional mat foundation designed to accommodate the design building loads and hydrostatic uplift forces imposed by the ground water.

After the site preparation procedures have been successfully completed, a mat foundation, designed to support the proposed 26-story structure may be constructed. As discussed above, SESI assumes that all of the uncontrolled fill will be removed, the foundation subgrade proofrolled and any soft areas encountered during the compacting/proofrolling would be removed and replaced with suitable granular fill or ¾-inch clean crushed stone. It should be noted that the groundwater was recorded to be approximately seven (7) to 13± feet below the ground surface at the time of our investigation. In order to successfully densify the foundation bearing grade, it may be necessary to lower the groundwater by installing a dewatering system. Discharging of the groundwater should be reviewed for environmental considerations.

The mat foundation bearing on compacted fill or within the dense natural soils may be designed for a maximum net allowable bearing pressure of 2.5 tons per square foot (tsf) (5,000 psf) and a modulus of subgrade reaction of 150 pci. Deeper foundations, extending into the decomposed rock or bedrock could be designed for higher bearing loads. Should the foundations extend deeper, SESI should be consulted to adjust the proposed bearing capacity and construction procedures. The mat foundation should be designed to accommodate upward hydrostatic forces. A summary of recommended design parameters is included in Table 1.

Seismic Design

The site soils have been classified as Site Class C for seismic design purposes in accordance with 2015 International Building Code, New York Addition. Site Class C assumes that the proposed footings will be founded within the natural dense soil or fill materials placed in a controlled manner. This should be confirmed by the structural engineer once the final grading and foundation plans are prepared.

Based on a structural occupancy/risk category of I/II/III and information provided by the USGS: U.S. Seismic Design Maps, the following seismic design criteria should be used for this project:

Mapped Spectral Response Acceleration for Short Periods	SS = 0.275g
Mapped Spectral Response Acceleration for 1-Second Period	S1 = 0.072g
Site Coefficient	Fa = 1.200
Site Coefficient	Fv = 1.700
Spectral Response for short periods	SMS = 0.33g
Spectral Response for 1 second period	SM1 = 0.122g
Design Spectral Response Acceleration for Short Periods	SDS = 0.22g
Design Spectral Response Accelerations for 1-Second Period	SD1 = 0.081g

ADDITIONAL CONSTRUCTION RECOMMENDATIONS

Our recommendations for temporary excavation support, subgrade preparation, construction quality assurance and protection and monitoring of adjacent structures, are provided below.

Excavation Support

OSHA requires that all excavations in excess of 4 feet be shored, braced or adequately benched/sloped in order to provide protection from sidewall collapses. For the open cut excavation, the exposed upper fill materials, alluvial soil and residual soils will need to be supported. It may be possible to incorporate the foundation walls for the existing 500 Main Street structure into the excavation support system. The location and condition of existing walls would need to be evaluated by a structural engineer prior to demolition of the structure.

For shallow excavations (i.e., utility trenches) it may be possible for the sidewalls to be sloped back in accordance with OSHA requirements or be appropriately sheeted and braced in accordance with all applicable codes. Other options would include temporary shoring or the use of trench boxes. The proposed method should be evaluated by a qualified Geotechnical Engineer.

Stabilizing the upper portion of the foundation excavation would initially require stabilization of the uncontrolled fill and overburden soils above the decomposed rock. Within the uncontrolled fill and overburden soil, a soil nail wall could be constructed to stabilize the soil mass. The soil nail wall would originate at the top of the cut and the support system installed as the excavation is advanced. Soil nailing is a process in which passive elements (steel threaded bars) are drilled into the soil mass on a prescribed angle, spacing and length and are then grouted into the soil. The nails are installed in the embankment along a horizontal bench within the slope. Once the nails have been installed along the entire length of the bench, the exposed soil face is covered with shotcrete and a steel plate (typically 6 to 10 inches square) is placed over the steel threaded bar and secured to the shotcrete with a nut. Upon completion of the installation of the soil nails within the first excavated bench, the next bench would be excavated, and the process repeated. Typically, the height of the benches varies from 4 to 6 feet. The spacing of the bars, length of the bars and size of the bars is a function of the angle of the final slope.

Soldier Pile and Steel Sheeting

Due to the limited access and possible environmental conditions encountered at the site, soldier piles with steel sheet pile panels may also be used to support excavations adjacent to the roadway and existing structures. H-Pile sections (aka King Piles) would be installed by drilling through the overburden soils and decomposed rock; into the existing rock, casing the holes as necessary, to a minimum embedment depth below the bottom of foundation wall elevation. The H-piles would then be installed to the specified depth, dewatered as necessary and filled with cementitious grout or concrete from the top of the hole. Soldier piles may be set prior to or after concrete placement.

Steel sheet pile panels would then be installed between the soldier piles, guided by angled steel or steel channels attached to the inside of the soldier pile flanges. The steel plates should have a minimum thickness of ¾ inches or as designed to accommodate lateral forces, soldier pile spacing and environmental conditions (i.e. corrosivity). H-piles within 20 feet of adjacent structures cannot be installed with vibratory or drop hammers.

During construction, the soldier pile wall should be supported, as needed, using a raker system attached to the piles by a steel H-beam waler. In areas where the raker and waler system are not appropriate, the wall can be supported by installing tieback rods, drilled into the soil and decomposed rock behind the wall and grouting the rods in-place. Design of the soldier pile retaining wall should limit the deflection at the top of the wall to less than one (1) inch when in service.

Secant Pile Walls

As an alternate a secant pile wall can be installed. Secant pile walls are interlocking cast-in-place concrete piles. The wall is constructed by first installing a guide wall to assure proper spacing of the piles and to assist with maintaining tight vertical tolerances. The guide wall creates a concrete form with a scalloped interior edge. Piles can be installed using continuous flight augers, cased or uncased methods to advance the holes to the proper depth. The secant pile wall is constructed of piles with two different types of concrete. The preliminary piles are installed through the wall in an alternating pattern and filled concrete that is soft enough for secondary piles to be drilled into the primary piles, but that will continue to strengthen as the wall continues to cure. Secondary piles are then drilled between and into (secanted into) the preliminary piles as they are installed to the design depth. Reinforcing in the form of a steel cage or an H-pile is installed in the secondary pile, but can be installed in both the preliminary and secondary pile. The secondary pile is filled with a standard concrete mix.

When the wall is cured, and the excavation is initiated the secant wall can be supported using tieback anchors or a system of rakers and walers. Secant walls are capable of supporting soil behind the wall as well as preventing groundwater from infiltrating into the excavation.

Preconstruction Survey and Monitoring Program of Adjacent Structures:

A preconstruction survey (pre-con) of all neighboring buildings, sidewalks and utilities in nearby areas should be performed. The pre-con would provide the Owner and the foundation contractor with documentation of existing conditions in the event of a future damage claim. The pre-con survey should be performed by a qualified Professional Engineer experienced in such documentation work. The pre-con survey should include photographs and dimensioned sketches. Crack reference lines and settlement reference points should be established on existing features for monitoring during construction. The pre-con survey would serve as a pictorial and quantitative reference document to assess conditions prior to, during, and after construction. On the basis of this documentation, a construction monitoring program should be designed for monitoring the responses of adjacent structures and evaluating construction procedures. This program should consist of monitoring

horizontal and vertical movements by optical surveying and vibration monitoring using threshold-type seismographs to measure construction-induced vibrations.

We recommend that a monitoring plan and specifications be completed for the project, which should provide details of the methods and equipment for monitoring vibration and movement, as well as movement criteria and requirements for frequency of readings and reporting.

INSPECTION

The recommendations presented in the previous sections of this report are based on the assumption that the site preparation procedures will be done under engineering inspection by a representative of SESI Consulting Engineers D.P.C. We should inspect the installation of the excavation support system, proofrolling operations, over-excavation, and the bottom of the footing excavations prior to the placement of concrete and/or stone. Visual observations and in-place density testing should be done throughout fill construction to determine that the work is done in accordance with our recommendations.

The 2015 International Building Code, requires that the geotechnical investigation for a structure, including the number and types of borings shall be determined by a registered design professional. Based on the number of borings performed and proposed built over area of about 32,000 sq. ft., SESI recommends performing up to four (4) additional borings within the central portion of the proposed structure, after the on-site structure has been razed to confirm the subsurface conditions. In addition, test pit explorations should be performed adjacent to the existing structures to explore the type and configuration of foundations present for foundation, underpinning and excavation support design as required.

LIMITATIONS

The preliminary subsurface investigation performed identifies the subsurface conditions only at the locations of the explorations and at the depths where the samples were taken. As the preliminary subsurface investigation was limited to the perimeter of the proposed building site, additional explorations should be performed within the proposed building area after the existing structures have been razed. SESI Consulting Engineers D.P.C. reviews the published geologic data and the field and laboratory data and uses their professional judgment and experience to render an opinion on the subsurface conditions throughout the site based on the preliminary subsurface exploration data. Because the actual subsurface conditions may differ, we recommend that SESI be retained to perform subsequent subsurface explorations and provide construction inspection in order to minimize the risks associated with unanticipated conditions.

This report should not be used:

1. When the nature of the proposed building is changed;
2. When the size or configuration of the proposed building is altered;
3. When the location or orientation of the proposed building is modified;
4. When there is a change in ownership; or

5. For application to an adjacent or any other site.

SESI shall not accept any responsibility for problems, which may occur if SESI is not consulted when there are changes to the factors considered in this report's development. The soil logs should not be separated from the Engineering Report in order to minimize the possibility of soil log misinterpretation.

DISCLAIMER

This Report was prepared by SESI for the sole and exclusive use of BRP Companies (Client). Nothing under the Professional Services Agreement between SESI and its client, BRP Companies, shall be construed to give any rights or benefits to anyone other than BRP Companies and SESI, and all duties and responsibilities undertaken pursuant to the Agreement will be for the sole and exclusive benefit of BRP Companies and SESI and not for the benefit of any other party. This Report has been prepared and issued subject to the express condition that same is not to be disseminated to anyone other than Client, without the advance written consent of SESI (which SESI, in its sole discretion, is free to grant or withhold). Use of the Report by any other person is unauthorized and such use is at the sole risk of the user.

TABLE I

SUMMARY OF SOIL DESIGN PARAMETERS

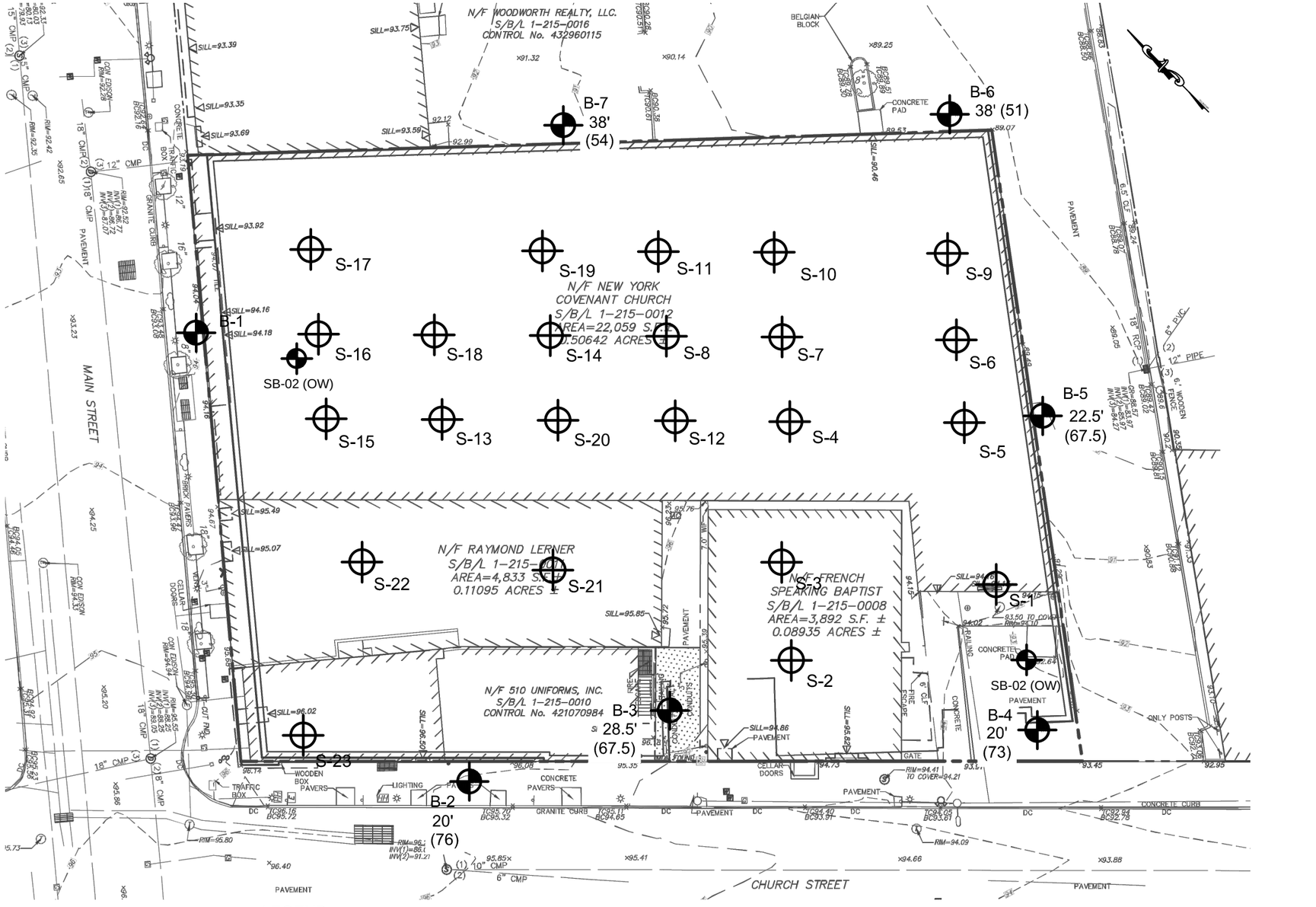
	PARAMETER	VALUE
1.	Allowable Bearing Capacity (net): Controlled Fill &Natural Soil	5,000psf
2.	Total Unit Weight	130 pcf
3.	Angle of Internal Friction - Backfill against Structures	32 degrees
4.	Earth Pressure Coefficient (See Note 1)	
	Active Earth Pressure (Ka)	0.31
	Earth Pressure @ Rest (Ko)	0.47
	Passive Earth Pressure (Kp)	3.25
5.	Coefficient of Sliding (concrete over soil)	0.35
6.	Subgrade Modulus for Floor Slab Design	
	Granular Fill	150 pci
7.	Slopes (above groundwater)	
	Maximum Cut Slope in Soil	2H:1V
	Maximum Fill Slope in Soil	2H:1V
8.	Seismic Design Criteria- Site Class	C

Notes:

1.) A drainage medium should be installed along all retaining walls to avoid hydrostatic pressures from developing.

2.) Compaction equipment used within 5± feet of permanent walls should not weigh more than 5,000 pounds.

3.) Recommended slopes in #7 above do not consider surcharge loading above. Any slopes greater than 15 feet high and/or have surcharge loading should be further evaluated by a geotechnical engineer.



LEGEND:

- B-1 - BORING NUMBER & APPROX. LOCATION
- 20' - DEPTH TO ROCK
- (76) - ROCK ELEVATION
- SB-02 (OW) - PREVIOUS BORING NUMBER & APPROX. LOCATION BY OTHERS
- S-2 - SOIL PROBE

REFERENCE

SITE INFORMATION TAKEN FROM "EXPLORATION LOCATION PLAN" PREPARED BY LANGAN, DATED 3/14/2019.

NOTE:

THIS PLAN IS FOR LOCATING BORINGS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

SCALE: 1"=30'

0 30 60

NYS Education Law

Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

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dwg by: yy
chk by: BAL
scale: AS NOTED
date: 9/5/19

SESI CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

500 MAIN STREET
NEW ROCHELLE, WESTCHESTER COUNTY, NY

BORING LOCATION PLAN

job no: 10637
drawing no:

FIG-1

N:\ACAD\10637\10637 BORING LOCATION PLAN 2019-08-29.DWG 09/05/19 04:04:32PM, cad, LAYOUT:FIG-1

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main Street	BORING NO.	**B-1**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hollow Stem Auger	GROUND ELEVATION:	95.5±
BORING BY: ETD	DATE STARTED: 8/9/2019	GROUNDWATER TABLE DEPTH	
INSPECTOR: LM	DATE COMPLETED: 8/9/2019	0 Hr. 12.2'± Date 8/9/2019	24 Hr. N/A Date N/A

DEPTH (ft)	SAMPLE No.	REC	DEPTH FROM	DEPTH TO	Blows on Spoon 0/6	6/12	12/18	18/24	N	SOIL DESCRIPTION AND STRATIFICATION	Symbol
0		(in)	(ft)	(ft)					(bl/ft)		USCS
	S-1	3	0.5		3	4			8	5"± Concrete Sidewalk; Subbase: Brown-Black coarse to fine Sand,	
				2.5			4	4		some coarse to fine Gravel, some Silt	
	S-2	8	2.5		2	1			2	Fill: Brown-Orange coarse to fine Sand and Silt, some coarse to	
				4.5			1	1		fine Gravel	
5											
	S-3	6	5		WOH	1			-	Same as above…	
				7			WOH	1			
	S-4	8	7		WOH	1			2	Same as above... with trace organics (roots)	
				9			1	1			
10											
	S-5	18	10		2	1			3	Fill: Brown-Gray coarse to fine Sand, some Silt, some coarse to fine	
				12			2	2		Gravel, trace organics (wet)	
	S-6	12	12		WOH	2			8	Fill: Gray coarse to fine Sand and Silt, some coarse to fine Gravel,	
				14			6	18		trace organics (wet)	
15											
	S-7	10	15	16.2	24	24	50/2"		74/8"	Brown-Gray coarse to fine Sand, some Silt, some coarse to fine Gravel	
	S-8	7	16		7	18			49	Brown-Gray coarse to fine Sand, some coarse to fine Gravel, little Silt	
				18			31	35			
	S-9A	24	18		22	35			75	Brown coarse SAND, little Silt, little fine Gravel	
20	S-9B			20			40	36		Brown-Gray coarse to fine Sand, some Silt	
	S-10A	24	20	21.2	15	16			116/8"	Same as above (-200)=16.1%, W.C.=8.9%	
	S-10B						100/2"			Brown-Gray coarse to fine Sand, some coarse to fine Gravel, little Silt	
										BORING COMPLETED AT 21.2-FEET	
										DUE TO SPOON REFUSAL ON POSSIBLE	
25										COBBLE/BOULDER	
30											
35											
40											

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	in

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Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

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

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

FIGURE 2

SESI CONSULTING ENGINEERS	PROJECT NAME:	500 Main Street	BORING NO.	B-2
	LOCATION:	New Rochelle, NY	JOB NO.	10637
	METHOD:	Mud Rotary	GROUND ELEVATION:	96±
BORING BY: ETD	DATE STARTED:	8/8/2019	GROUNDWATER TABLE DEPTH	
INSPECTOR: LM	DATE COMPLETED:	8/8/2019	0 Hr. N/A Date N/A	24 Hr. N/A Date N/A

DEPTH (ft)	SAMPLE No.	REC	DEPTH FROM	DEPTH TO	Blows on Spoon 0/6	6/12	12/18	18/24	N	SOIL DESCRIPTION AND STRATIFICATION	Symbol
0		(in)	(ft)	(ft)					(bl/ft)		USCS
										6"± Concrete Sidewalk	
	S-1	10	1		4	2			3	Fill: Brown-Gray SILT, and coarse to fine Sand, trace Gravel	
				3			1	1			
	S-2	12	3		1	2			5	Same as above...	
5				5			3	6			
	S-3A	24	5		7	11			24	Gray Clayey SILT	
	S-3B			7			13	16		Gray-Brown coarse to fine SAND, some Silt, trace fine Gravel	
10											
	S-4	12	10		16	26			55	Brown-Gray coarse to fine Sand, some Silt, some coarse	
				12			29	30		to fine Gravel	
15											
	S-5	6	15		21	27			56	Brown-Gray coarse to fine SAND, some coarse to fine Gravel,	
				17			29	26		little Silt W.C.=14.5%	
20											
	C-1		20						1.5 min	Rock Core (20' - 25')	
									1 min	Recovery = 33"/60" = 55%	
									1.5 min	RQD = 20"/60" = 30%	
									1.5 min	Rock Type : Highly weathered schist, grading to moderately	
25				25					1.5 min	weathered (lower 14") probable decomposed seams	
										BORING COMPLETE AT 25± FEET	
30											
35											
40											

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	in

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Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

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

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

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main Street	BORING NO.	**B-3**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Mud Rotary	GROUND ELEVATION:	96±
BORING BY: ETD	DATE STARTED: 8/5/2019	GROUNDWATER TABLE DEPTH	
INSPECTOR: LM	DATE COMPLETED: 8/5/2019	0 Hr. 12.5'± Date 8/5/2019	24 Hr. N/A Date N/A

DEPTH (ft)	SAMPLE No.	REC	DEPTH FROM	DEPTH TO	Blows on Spoon 0/6	6/12	12/18	18/24	N	SOIL DESCRIPTION AND STRATIFICATION	Symbol USCS
0		(in)	(ft)	(ft)					(bl/ft)		
	S-1	6	0		4	4			7	Fill: Brown coarse to fine Sand, some coarse to fine Gravel,	
				2			3	3		some Silt, brick fragments	
	S-2	0	2		3	3			5	No Recovery	
				4			2	3			
5	S-3	3	4		2	2			6	Fill: Brown coarse to fine Sand, some coarse to fine Gravel,	
				6			4	3		some Silt, brick fragments	
	S-4	0	6		2	1			3	No Recovery	
				8			2	2			
	S-5	1	8		2	1			3	Fill: Brown coarse to fine Sand, some coarse to fine Gravel,	
10				10			2	3		some Silt, brick fragments	
	S-6	0	10		3	3			6	No Recovery	
				12			3	1			
	S-7	0	12		WOH	2			4	No Recovery	
				14			2	4			
15	S-8	0	14		4	2			3	No Recovery	
				16			1	15			
	S-9A	6	16	17.7	33	55			155	Brown-Orange coarse to fine Sand, some Silt, little coarse to fine Gravel	
	S-9B						100	50/2"		Brown-Gray coarse to fine Sand, and clayey Silt, trace Gravel	
20											
	S-10	7	20		33	38			72	Gray-Brown coarse to fine Sand, some Silt, little coarse to	
				22			34	32		fine Gravel (Residual Soil)	
25											
	S-11	Tip of	25	25.8	11	50/4"				Black-Gray coarse to fine Sand, some coarse to fine Gravel,	
		Spoon								little Silt (Decomposed Rock)	
	C-1		28.5							Rock Core RC-12 (28.5'-33.5')	
30									2 min	Recovery = 58"/60" = 97%	
									4 min	RQD = 35"/60" = 58%	
										Rock Type: White, slighty to moderatly weathered Pegmatite.	
				33.5						(coarse grained consisting of quartz and feldspar)	
35										BORING COMPLETED AT 33.5-FEET	
40											

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	in

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Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

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

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

SESI CONSULTING ENGINEERS	PROJECT NAME:	500 Main Street	BORING NO.	B-4
	LOCATION:	New Rochelle, NY	JOB NO.	10637
	METHOD:	Mud Rotary	GROUND ELEVATION:	93±
BORING BY: ETD	DATE STARTED:	8/8/2019	GROUNDWATER TABLE DEPTH	
INSPECTOR: LM	DATE COMPLETED:	8/8/2019	0 Hr. 8.9'± Date 8/8/2019	24 Hr. N/A Date N/A

DEPTH (ft)	SAMPLE No.	REC	DEPTH FROM	DEPTH TO	Blows on Spoon 0/6	6/12	12/18	18/24	N	SOIL DESCRIPTION AND STRATIFICATION	Symbol
0		(in)	(ft)	(ft)					(bl/ft)		USCS
	S-1	3	0		29	8			11	2.5" Asphalt	
				2			3	4		Fill: (Subbase) Gray coarse to fine Gravel, some coarse to fine Sand, little Silt	
	S-2	18	2		4	4			15	Brown medium to fine SAND, some Silt	
				4			11	8			
5											
	S-3	24	5		13	13			27	Same as above…	
				7			14	14			
	S-4	18	7		13	16			30	Brown coarse to fine SAND, some Silt, little fine Gravel	
				9			14	16		(moist becoming wet)	
10											
	S-5	10	10		13	18			31	Brown coarse to fine Sand, some coarse to fine Gravel,	
				12			13	13		some Clayey Silt	
15											
	S-6	16	15		10	15			38	Brown-Gray coarse to fine SAND, some coarse to fine Gravel,	
				17			23	50/3"		Some Clayey Silt, occasional cobbles	
										(-200) = 25.8%, W.C.=17.9%	
20											
	C-1		20						2 min	Rock Core RC-7 (20'-25')	
									3 min	Recovery = 45"/60" = 75%	
									2 min	RQD = 31.25"/60" = 52%	
									2 min	Rock Type: Slightly to moderately weathered Gneiss, with	
25				25					4 min	highly fractured seams	
										BORING COMPLETED AT 25-FEET	
30											
										Note: Hard drilling at 18-18.5 feet and at 19.5 feet	
35											
40											

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	in

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Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

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

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

FIGURE 5

SESI CONSULTING ENGINEERS	PROJECT NAME:	500 Main Street	BORING NO.	B-5
	LOCATION:	New Rochelle, NY	JOB NO.	10637
	METHOD:	Mud Rotary	GROUND ELEVATION:	90±
BORING BY: ETD	DATE STARTED:	8/7/2019	GROUNDWATER TABLE DEPTH	
INSPECTOR: LM	DATE COMPLETED:	8/7/2019	0 Hr. 7.5'± Date 8/7/2019	24 Hr. N/A Date N/A

DEPTH (ft)	SAMPLE No.	REC	DEPTH FROM	DEPTH TO	Blows on Spoon 0/6	6/12	12/18	18/24	N	SOIL DESCRIPTION AND STRATIFICATION	Symbol
0		(in)	(ft)	(ft)					(bl/ft)		USCS
	S-1	3	0		39	16			26	3" Asphalt	
				2			10	3			
	S-2	2	2		6	14			40	Fill: Black coarse to fine Sand, some Silt, some coarse to fine Gravel	
				4			26	32			
5										Fill: Brown medium to fine SAND, some Silt, little coarse to	
	S-3A	24	5		30	41			55	fine Gravel	
	S-3B			7			14	19		Orange-Brown Clayey SILT, some fine to medium Sand,	
	S-4	12	8		9	10			21	Orange-Brown medium to fine Sand, some Silt, little medium to	
10				10			11	14		fine Gravel W.C.=14.9%	
	S-5A	12	10		8	13			25	Orange-Brown Clayey SILT, some fine Sand, litle coarse to fine Gravel	
	S-5B			12			12	20		Brown coarse to fine Sand, some Silt, some coarse to fine Gravel,	
										occasional cobbles (-200) = 29.9%, W.C.=12.1%	
15											
	S-6	3	15	15.25	50/3"				-	Black-Brown coarse to fine Sand, some Silt, little coarse to fine Gravel	
										(Decomposed Rock)	
20											
	S-7	4	20	20.3	50/4"				-	Same as above…	
	C-1		22.5						5 min		
									2 min	Rock Core (22.5'-27.5')	
25									3 min	Recovery = 55"/60" = 92%	
									3 min	RQD = 46"/60" = 77%	
									5 min	Rock Type: Gray - Lt Gray slightly weathered Gneiss/Schist,	
				27.5						with large quartz-Feldspar bands	
										BORING COMPLETED AT 27.5-FEET	
30											
										Note: Hard drilling, chatter at 11 feet	
35											
40											

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	in

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Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

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

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

SESI CONSULTING ENGINEERS	PROJECT NAME:	500 Main Street	BORING NO.	B-6
	LOCATION:	New Rochelle, NY	JOB NO.	10637
	METHOD:	Mud Rotary	GROUND ELEVATION:	89±
BORING BY: ETD	DATE STARTED:	8/6/2019	GROUNDWATER TABLE DEPTH	
INSPECTOR: LM	DATE COMPLETED:	8/7/2019	0 Hr. N/A Date N/A	24 Hr. N/A Date N/A

DEPTH (ft)	SAMPLE No.	REC	DEPTH FROM	DEPTH TO	Blows on Spoon 0/6	6/12	12/18	18/24	N (bl/ft)	SOIL DESCRIPTION AND STRATIFICATION	Symbol USCS
0		(in)	(ft)	(ft)							
	S-1	0	0		14	5			9	3" ± Asphalt	
				2			4	4			
	S-2	4	2		1	2			5	Fill: Brown-Gray Clayey Silt, some coarse to fine Sand, trace	
				4			3	3		coarse to fine Gravel	
5	S-3A	9	4	5	8	9			17	Light Gray Clayey SILT,	
	S-3B	9	5	6			8	5		Orange-Brown medium to fine Sand, and Clayey Silt, little coarse to	
										fine Gravel	
10											
	S-4	10	10		13	16			31	Brown coarse to fine Sand, little coarse to fine Gravel, some	
				12			15	18		Clayey Silt, occasional cobbles	
15											
	S-5	8	15	16.7	11	28			78	Brown coarse to fine Sand, some Silt, some coarse to fine Gravel	
							50	50/2"			
20											
	S-6	18	20	21.25	12	25			75/9"	Brown coarse to fine SAND, some Clayey Silt, trace Gravel	
							50/3"			(Residual Soil) (-200) = 32.4%. W.C.=22.3%	
25											
	S-7	9	25	25.8	26	56/4"			-	Black-Gray Clayey Silt, and fine Sand trace Gravel (Residual Soil)	
30											
	S-8	2	30	30.7	22	70/2"			-	Orange-Brown, DarkGray coarse to fine Sand, some Silt, some	
										coarse to fine Gravel, (Decomposed Rock)	
35											
	S-9	3	35	35.25	50/3				-	Black-Gray coarse to fine Sand, some Silt , little fine Gravel,	
										Micaseous (Decomposed Rock)	
	C-1		38							Rock Core (38'-43')	
40									7 min		

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	in

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Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

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

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

FIGURE 7

SESI CONSULTING ENGINEERS	PROJECT NAME:	500 Main Street	BORING NO.	**B-6**
	LOCATION:	New Rochelle, NY	JOB NO.	10637
	METHOD:	Mud Rotary	GROUND ELEVATION:	89±
BORING BY: ETD	DATE STARTED:	8/6/2019	GROUNDWATER TABLE DEPTH	
INSPECTOR: LM	DATE COMPLETED:	8/7/2019	0 Hr. N/A Date N/A	24 Hr. N/A Date N/A

DEPTH (ft)	SAMPLE No.	REC	DEPTH FROM	DEPTH TO	Blows on Spoon 0/6	6/12	12/18	18/24	N (bl/ft)	SOIL DESCRIPTION AND STRATIFICATION	Symbol USCS
40		(in)	(ft)	(ft)							
									6 min	Recovery = 57"/60": = 95%	
									6 min	RQD = 57"/60" = 95%	
				43					6 min	Rock Type: Pelitic Schist	
										BORING COMPLETED AT 43-FEET	
45											
50											
55											
60											
65											
70										Note: Hard drilling, chatter at 12 feet.	
75											
80											

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	in

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Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

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

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

FIGURE 7

SESI CONSULTING ENGINEERS	PROJECT NAME:	Proposal Redevelopment	BORING NO.	B-7
	LOCATION:	New Rochelle, NY	JOB NO.	10637
	METHOD:	Mud Rotary	GROUND ELEVATION:	92±
BORING BY: ETD	DATE STARTED:	8/6/2019	GROUNDWATER TABLE DEPTH	
INSPECTOR: LM	DATE COMPLETED:	8/6/2019	0 Hr. N/A Date N/A	24 Hr. N/A Date N/A

DEPTH (ft)	SAMPLE No.	REC	DEPTH FROM	DEPTH TO	Blows on Spoon 0/6	6/12	12/18	18/24	N	SOIL DESCRIPTION AND STRATIFICATION	Symbol
0		(in)	(ft)	(ft)					(bl/ft)		USCS
	S-1	2	0		20	4			11	2"± Asphalt	
				2			7	6		Fill: Dark Brown coarse to fine Sand, some coarse to fine Gravel, some Silt	
	S-2	0	2		3	3			5		
				4			2	1			
5	S-3	18	4		3	6			14	Fill: Dark Brown fine Sand, and Silt, trace Gravel	
				6			8	12			
	S-4	24	6		15	13			25	Fill: Dark Brown fine SAND, some Silt, trace Gravel	
				8			12	16			
10											
	S-5	12	10		9	17			31	Fill: Brown medium to fine Sand, some Clayey Silt, little coarse to	
				12			14	16		fine Gravel	
15											
	S-6A	16	15		17	22			72	Brown coarse to fine GRAVEL, some coarse to fine Sand, some Silt	
	S-6B			17			50	28		Brown coarse to fine Sand, some Clayey Silt, some coarse to fine	
										Gravel, micaceous (Residual Soil)	
20											
	S-7	5	20		39	60/3"			-	Brown coarse to fine Sand, some Clayey Silt, little coarse to fine	
				22						Gravel, micaceous (Residual Soil)	
25											
	S-8	12	25		8	9			19	Brown coarse to fine Sand, some Clayey Silt, some coarse to fine	
				27			10	24		Gravel, micaceous (Residual Soil)	
30											
	S-9A	16	30		16	18			45	Brown coarse to fine Sand, and Silt, some coarse to fine Gravel	
	S-9B			32			27	21		Red-Brown coarse to fine SAND, some Silt, trace Gravel,	
										micaceous (Residual Soil)	
35											
	S-10A	24	35		6	23			59	Brown-Gray Clayey SILT, some coarse to fine Sand, trace Gravel	
	S-10B			37			36	50/4"		Orange-Brown coarse to fine SAND, some Clayey Silt, trace Gravel	
										(Decomposed Rock)	
	C-1		38						1 min	Rock Core (38'-43')	
40									1 min	Recovery = 39"/60" = 65%	

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	in

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Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

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

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

FIGURE 8

SESI CONSULTING ENGINEERS				PROJECT NAME:	Proposal Redevelopment			BORING NO.	B-7
				LOCATION:	New Rochelle, NY			JOB NO.	10637
				METHOD:	Mud Rotary			GROUND ELEVATION:	92±
BORING BY:	ETD			DATE STARTED:	8/6/2019	GROUNDWATER TABLE DEPTH			
INSPECTOR:	LM			DATE COMPLETED:	8/6/2019	0 Hr. N/A	Date N/A	24 Hr. N/A	Date N/A

DEPTH (ft)	SAMPLE No.	REC	DEPTH FROM	DEPTH TO	Blows on Spoon 0/6	6/12	12/18	18/24	N (bl/ft)	SOIL DESCRIPTION AND STRATIFICATION	Symbol USCS
40		(in)	(ft)	(ft)							
									1 min	RQD = 0"/60" = 0%	
									1min	Rock Type: Highly Weathered Schist	
				43					1 min		
	C-2		43							Rock Core (43'-48')	
45										Recovery = 57"/60" = 95%	
									1 min	RQD = 26"/60" = 43%	
									4 min	Rock Type: Dark Gray moderately weathered Schist grading to	
				48					6.5min	slightly weathered Gneiss with moderately weathered Schist layers.	
										BORING COMPLETED AT 48-FEET	
50											
55											
60											
65											
70											
75											
80											

Nominal I.D. of Hole	in
Nominal I.D. of Split Barrel Sampler	1⅜ in
Weight/type of Hammer on Drive Pipe	300 lb
Weight/type of Hammer on Split Barrel	140 lb
Drop of Hammer on Drive Pipe	in
Core Size	in

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Pp: Pocket Penetrometer; WOH: Weight of Hammer; WOR: Weight of Rod

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

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

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-1**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/16/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: DMA	DATE COMPLETED:	7/16/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
	36	1	0	0.5		Asphalt/Concrete	0.4
			1	2	Sampled SB-1(2.5-3.0)		12.6
			2	3		Gray-brown clayey SILT, little Sand, trace coarse to fine Gravel	23.1
	36	2	3	4			0.8
5			4	5	Sampled SB-1(4.5-5.0)		1.6
			5	6			1.2
						Boring Complete at ± 6 feet bgs	
10							
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 9

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-2**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/16/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: DMA	DATE COMPLETED:	7/16/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
	25	1	0	0.5		Asphalt/Concrete	0.3
			1	2	Sampled SB-2(3.0-3.5)		154.9
			2	3		Gray sandy SILT, some Clay, odor, trace Gravel	240
	28	2	3	4	Sampled SB-2(3.0-3.5)		103.6
5			4	5			100
			5	6			95.2
						Boring Complete at ± 6 feet bgs	
10							
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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 10

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-3**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/16/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: DMA	DATE COMPLETED:	7/16/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0	7	1	0	0.5		Asphalt/Concrete	0
			1	2			0
			2	3		Gray-brown sandy SILT, little Silt, trace gravel	0
	36	2	3	4	Sampled SB-3(3.5-4.0)		0
5			4	5		Brown coarse to medium SAND, some Silt, trace clay	0
			5	6			0
						Boring Complete at ± 6 feet bgs	
10							
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 11

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-4**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10				0
				12		2' thick concrete slab	0
	10	1	12	13		Brown coarse to fine SAND, some Silt, trace Clay, (wet)	0
			13				0
15	26	2		15	S-4 (4-4.5)	Brown coarse to fine SAND, some Silt, little Clay, (wet)	0
			15	16		Brown coarse to fine SAND, little Silt, trace Clay, (moist)	0
20						Boring complete at ±16.0 Feet B.G.S	
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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 12

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-5**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
	14	1					0
				13	S-5 (2-2.5)	Brown coarse to fine SAND, little Silt, trace coarse Gravel (wet)	0
			13				0
15	28	2					0
				16		Brown coarse to fine SAND, some Silt, little Clay	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 13

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-6**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			16" Concrete	0
	16"	1					0
							0
							0
15	24"	2		15		Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel (wet)	0
			15	16	S-6 (5-5.5)	Light brown SILT, little Clay, trace SAND.	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 14

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-7**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
	8	1					0
					S-7 (2.5-3)		0
	20	2					0
15						Brown coarse to fine SAND, some Silt, little coarse to fine Gravel	0
				16		(wet)	0
						Boring complete ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 15

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-8**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/17/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/17/19	0 Hr. / 24 Hr. / Date	

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
		1				Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt (wet)	0
	10			13			0
			13				0
15		2		15		Brown coarse to fine SAND, some Silt, little Clay (wet)	0
	26		15	16		Brown coarse to fine SAND, some fine Gravel, trace Silt (wet)	0
			16				0
		3			S-8 (7.5-8)	Brown coarse to fine SAND, some coarse to fine Gravel, trace Silt (moist)	0
	28			19			0
20						Boring complete at ±19.0 Feet B.G.S	
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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 16

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-9**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
	10	1					4.5
					S-9 (2.5-3)	Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt	6.7
				14		with pieces of wood (wet)	3.2
15	28	2	14			Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	1.6
				16		(moist)	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 17

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-10**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	
	1						0
		10					2.1
							2.8
15	2						3.2
		24			S-10 (5.5-6)		3.7
						Brown-black coarse to fine SAND, little Silt, trace coarse to fine	1.2
	3			18		Gravel with pieces of wood throughout (wet)	0.8
		26	18	19		Brown coarse to fine SAND, some Silt.	0
20						Boring complete at ±19.0 Feet B.G.S	
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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 18

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-11**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/18/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/18/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
	10	1				Brown-black coarse to fine SAND, some Silt, trace coarse to fine Gravel (wet)	0
				13	S-11 (2.5-3)		3.8
			13				2.4
15	24	2				Brown coarse to fine SAND, little coarse to fine Gravel, trace Silt with pieces of wood throughout	1.2
				16			0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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 19

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-12**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
	12	1			S-12 (2-2.5)	Brown coarse to fine SAND, little SILT, trace coarse to fine Gravel	0
				13		(wet)	0
			13	14		Brown coarse to fine SAND little coarse to fine Gravel	0
15	28	2	14				0
				16		Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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 20

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-13**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/18/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/18/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
	12	1		12		Black-brown coarse to fine GRAVEL (wet)	0
			12	13		Brown coarse to fine SAND, little silt, trace Gravel	0
			13				0
15	26	2			S-13 (4-4.5)		0
				16		Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ 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.

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 21

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-14**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/17/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/17/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
					S-14 (1.5-2)		2.8
				13		Brown coarse to fine SAND, little Silt, trace Clay (wet)	1.2
			13	14		Brown-black coarse to fine GRAVEL, some coarse to fine SAND	0
15			14				0
				16		Brown coarse to fine SAND, some coarse to fine Gravel, trace Silt	0
						Boring complete at ±16.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 22

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-15**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/18/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/18/19	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
							0
						Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
				14	S-15 (3-3.5)	(wet)	0
15						Boring complete at ± 14.0 Feet B.G.S.	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 23

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-16**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/18/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/18/19	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
				12	S-16 (1.5-2)	Brown coarse to fine SAND, some coarse to fine Gravel (wet)	0
						Boring complete at ±12.0 Feet B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 24

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-17**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/18/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/18/19	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10							
			10			18" Concrete	0
							0
					S-17 (2-2.5)	Brown coarse to fine SAND, some Silt, trace coarse to fine Gravel	0
				14		(wet)	0
15						Boring complete at ±14.0 Feet B.G.S (refusal)	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 25

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-18**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Direct Push	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED:	7/18/19	GROUNDWATER TABLE DEPTH:
INSPECTOR: JCS	DATE COMPLETED:	7/18/19	0 Hr. / 24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10							
			10			18" Concrete	0
	12	1					0
							0
	10	2		14	S-18 (3.5-4)	Brown-black coarse to fine SAND, some Silt, little Clay	0
15						Boring complete at ±14.0 Feet B.G.S	
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 26

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-19**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/19/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/19/19	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10 feet below grade	
			10			18" Concrete	0
							0
				13	S-19 (3-3.5)	Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel (wet)	0
						Boring complete at ±13 Feet (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 27

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-20**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/19/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/19/19	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
					S-20 (2-2.5)		0
				13		Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
						Boring Complete at ±13.0 Fett B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 28

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-20**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/19/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/19/19	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
					S-20 (2-2.5)		0
				13		Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
						Boring Complete at ±13.0 Fett B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 28

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-21**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/19/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/19/19	0 Hr.	24 Hr. / Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
					S-21 (1.5-2)		0
				13		Brown-red coarse to fine SAND, some coarse to fine Gravel (wet)	0
						Boring Complete at ±13.0 Fett B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 29

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-22**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/19/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/19/19	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			18" Concrete	0
				12	S-22 (1.5-2)	Brown coarse to fine SAND, little coarse to fine Gravel	0
						Boring Complete at ±13.0 Fett B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 30

SESI CONSULTING ENGINEERS

PROJECT NAME:	500 Main St.	GEOPROBE NO.	**S-23**
LOCATION:	New Rochelle, NY	JOB NO.	10637
METHOD:	Hand Auger	GROUND ELEVATION:	NA
GEOPROBE BY: EMC (Ryan)	DATE STARTED: 7/19/19	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JCS	DATE COMPLETED: 7/19/19	0 Hr.	24 Hr. Date

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0							
5							
10						Basement approximatley 10' below grade	
			10			6" Concrete	0
					S-23 (1-1.5)	Brown coarse to fine SAND, little Silt, trace coarse to fine Gravel	0
				13		Boring Complete at ±13.0 Fett B.G.S (refusal)	
15							
20							
25							
30							
35							
40							

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1⅜ in

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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 31

Definitions of Identification Terms for Granular Soils

Our experience has shown that the following field identification system, which is patterned somewhat after the Burmister System, permits a more detailed breakdown of the components within a soil sample than other identification systems allow. It also compels the supervising technician to examine a sample quite closely in order to accurately describe the components within the sample.

Principal Component (All Capitalized)

- GRAVEL More than 50% of the sample by weight is Gravel
- SAND More than 50% of the sample by weight is Sand
- SILT More than 50% of the sample by weight is Silt

Minor Component (Proper Case)

- Gravel Less than 50% of the sample by weight is Gravel
- Sand Less than 50% of the sample by weight is Sand
- Silt Less than 50% of the sample by weight is Silt

Proportion Terms

- and Component ranges from 35% to 50% of the sample by weight
- some Component ranges from 20% to 35% of the sample by weight
- little Component ranges from 10% to 20% of the sample by weight
- trace Component ranges from 0% to 10% of the sample by weight

Size of Soil Components

- Gravel
  - Coarse gravel ranges from 3 inches to 1 inch
  - Medium gravel ranges from 1 inch to 3/8 inch
  - Fine gravel ranges from 3/8 inch to No. 10 sieve
- Sand
  - Coarse sand ranges from No. 10 sieve to No. 30 sieve
  - Medium sand ranges from No. 30 sieve to No. 60 sieve
  - Fine sand ranges from No. 60 sieve to No. 200 sieve
- Silt
  - Material which passes the No. 200 sieve
- Clay
  - Material which passes the No. 200 sieve
  - Exhibits varying degrees of plasticity

Gradation Designations

- Coarse to fine (c-f) All fractions greater than 10%of the component
- Coarse to medium (c-m) Less than 10% of the component is fine
- Medium to fine (m-f) Less than 10% of the component is coarse
- Coarse (c) Less than 10% of the component is medium and fine
- Medium (m) Less than 10% of the component is coarse and fine
- Fine (f) Less than 10% of the component is coarse and medium

Appendix A

Langan Soil Borings

LANGAN

Log of Boring **SB-1 (OW)** Sheet 1 of 2

Project: 500 Main Street	Project No.: 140169801
Location: New Rochelle, New York	Elevation and Datum: El. 93 NAVD88
Drilling Company: SoilTesting Inc.	Date Started: 10/12/17 — Date Finished: 10/12/17
Drilling Equipment: Truck Mounted Diedrich D-120	Completion Depth: 31 ft — Rock Depth: 22 ft
Size and Type of Bit: 4-1/4" I.D. Hollow Stem Auger	Number of Samples: Disturbed 8 — Undisturbed N/A — Core 2
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 20 — Completion ▼ — 24 HR. ▼ 10.4
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tommy Page
Sampler: 2" O.D. Split Spoon	Inspecting Engineer: Justin Hall
Sampler Hammer: Safety — Weight (lbs): 140 — Drop (in): 30	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+93.0									
	+92.8	2-inch thick Asphalt								
		Dark Brown to Brown c-f SAND, sm. f-gravel, sm. silt [FILL] (dry)	0 0 0		0 1	S-1	SS	5	18 14 5 8	
		Dark Brown to Brown c-f SAND, sm. f-gravel, sm. silt, tr. glass [FILL] (dry)	0 0 0		2 3	S-2	SS	6	50/3	Split spoon refusal. Rock fragments observed on tip of spoon. Auger to 4 feet. Heavy rig chatter from 2'-3" to 3'-6"
		Gray c-f SAND, sm. f-gravel, tr. silt [FILL] (dry)	0 0 0		4 5	S-3	SS	13	26 79 100/1	Split spoon refusal. Rock fragments observed on tip of spoon. Auger to 6 feet. Auger past 6' due to hard augering. Heavy rig chatter from 5' to 7'-6". Smooth drilling from 7'-6" to 8'-0".
	+88.0				6 7					
	+85.0	Gray c-f SAND, sm. f-gravel, tr. silt [FILL] (dry)	0 0 0		8 9	S-4	SS	3	27 78 87 44	Auger walking eastward. Adjust rig to accomodate shift in auger location. Med. Chatter 8'-10'
	+83.0	Brown to Reddish Brown m-f SAND, sm. f-gravel, sm. silt, tr. c-sand [TILL] (moist) ▽	0 0 0		10 11	S-5	SS	9	28 39 38 23	Take Environmental Sample 10'-12' @ 11:15 am.
					12 13					Auger to 15'. Light to Medium Rig Chatter 12'-15'
	+79.0	? ? ? ?			14 15					
		Brown to Reddish Brown c-f SAND, sm. silt, sm. weathreed rock fragments (dry) ▽	0 0 0		16 17	S-6	SS	14	24 57 55 45	Auger to 20' Light to Medium Rig Chatter 17'-20'
					18 19 20					

\\LANGAN.COM\DATA\NHV\DATA8\140169801\PROJECT DATA_DISCIPLINE\GEOTECHNICAL\GINTLOGS\140169801_ENTERPRISE.GPJ ... 11/28/2017 1:29:20 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB-1 (OW)** Sheet 2 of 2

Project	Project No.
500 Main Street	140169801
Location	**Elevation and Datum**
New Rochelle, New York	El. 93 NAVD88

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Coring (min)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					20	S-7	SS	3	100/3	
		Dark Brown f-m SAND, sm. silt, sm. weathered rock fragements (wet)	0		21					
			0							
			0		22	S-8	S	0	100/0	Spoon bouncing @ 20'. Auger to 25'. Auger refusal @ 22'. Start Coring @ 22' for Run # 1
	+71.0	White to Gray Pelitic Schist [BEDROCK]	0	6 min	23	Run #1	NX CORE	REC=28"/48" =58%	RQD=5"/48" =10%	
				2:27 min						
				4:26 min	24					
				5:07 min	25					
					26					Rock core jammed. Start Coring @ 26' for Run #2
		Gray Pelitic Schist [BEDROCK]		2:04 min	27	Run #2	NX CORE	REC=58"/60" =97%	RQD=49"/60" =82%	
				2:37 min						
				3:01 min	28					
				2:38 min	29					
				3:27 min	30					
	+62.0	End of Boring at 31'			31					End of Core Upon completion, the borehole was converted into a monitoring well.
					32					
					33					
					34					
					35					
					36					
					37					
					38					
					39					
					40					
					41					
					42					
					43					
					44					
					45					

\\LANGAN.COM\DATA\NHV\DATA8\140169801\PROJECT DATA_DISCIPLINE\GEOTECHNICAL\GINTLOGS\140169801_ENTERPRISE.GPJ ... 11/28/2017 1:29:20 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **SB-2 (OW)** Sheet 1 of 1

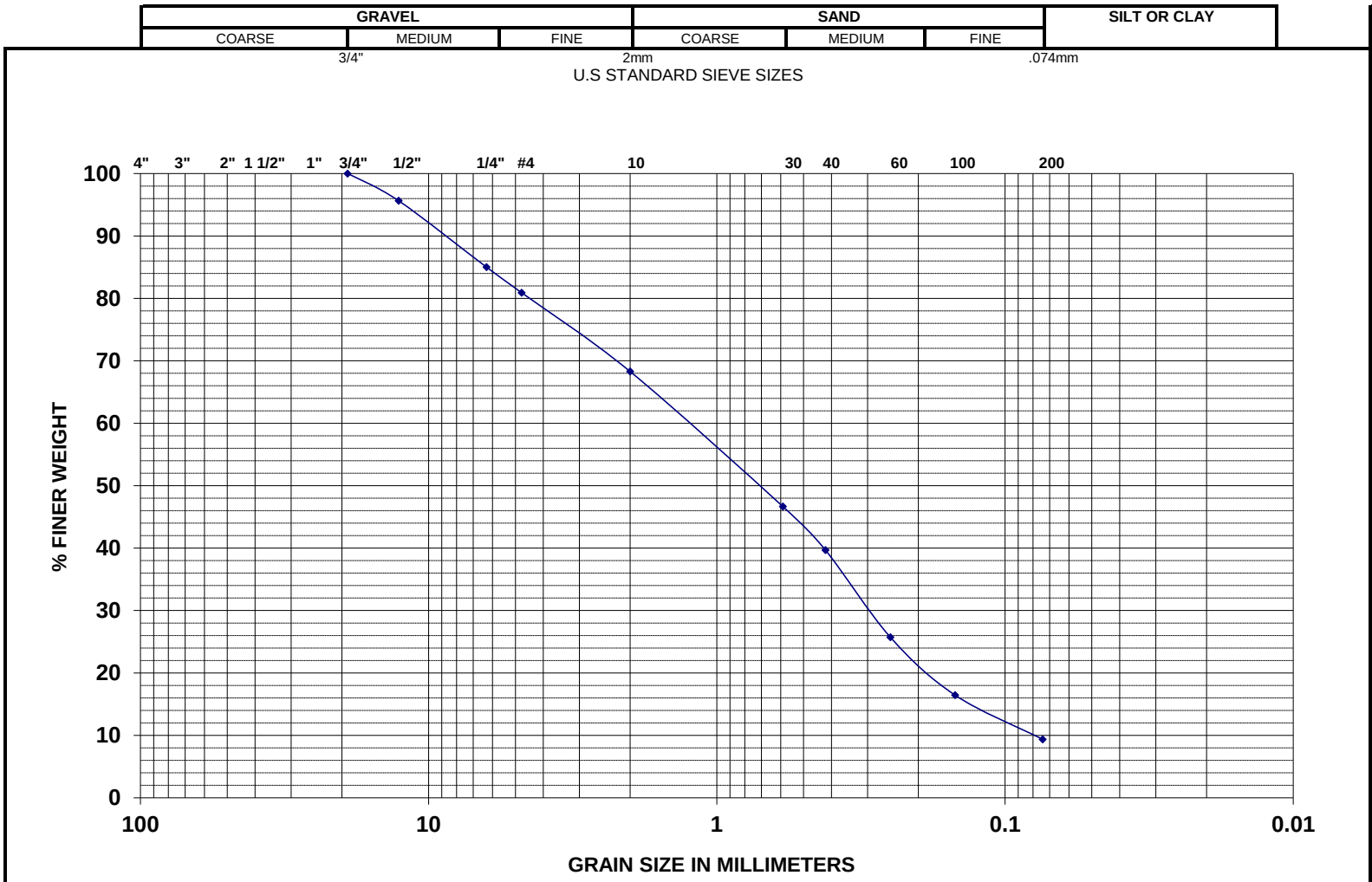
Project: 500 Main Street	Project No.: 140169801
Location: New Rochelle, New York	Elevation and Datum: Assumed El. 79 NAVD-88
Drilling Company: SoilTesting Inc.	Date Started: 10/13/17 — Date Finished: 10/13/17
Drilling Equipment: Tripod	Completion Depth: 5 ft — Rock Depth: 5 ft
Size and Type of Bit: N/A	Number of Samples: Disturbed 3 — Undisturbed — Core
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 2.5 — Completion ▼ 2.5 — 24 HR. ▼ 0.7
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Tommy Page
Sampler: 2" O.D. Split Spoon	Inspecting Engineer: Justin Hall
Sampler Hammer: Safety — Weight (lbs): 140 — Drop (in): 30	

Material Symbol	Elev. (ft)	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+79.0	14-inch thick Concrete Slab		0					
	+77.8	Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)	0	1	S-1	SS	18	16 32 54 100/3	ENV SAMPLE SB-2 (2'-4') @ 13:30
		Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)	0	2					
			0	3	S-2	SS	13	59 37 38 52	
	+74.0		0	4					
		Gray c-f SAND, sm. silt, sm. f-gravel [TILL] (wet)	0	5	S-3	SS	2	200/1	Spoon Refusal @ 5'
				6					
				7					
				8					
				9					
				10					
				11					
				12					
				13					
				14					
				15					
				16					
				17					
				18					
				19					
				20					

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Appendix B

Laboratory Testing Results



Symbol	◆	■	▲
Boring	B-1		
Sample	S-10A		
Depth	18'-19'		
% +3"			
% Gravel	31.71		
% Sand	58.93		
% Fines	9.36		
% Silt			
% Clay			
Sp.G			
LL			
PL			
PI			
W (%)	9.7		

Particle Size Sieve #	Percent Finer Than
3"	-
1 1/2"	-
1"	-
3/4"	100.00
1/2"	95.63
1/4"	85.01
4	80.92
10	68.29
30	46.66
40	39.69
60	25.73
100	16.44
200	9.36

PARTICLE SIZE DISTRIBUTION

CLIENT: LRC Construction, LLC
PROJECT: New Rochelle, NY
DATE: August 13, 2019
JOB NO. 10637 FIGURE No 10

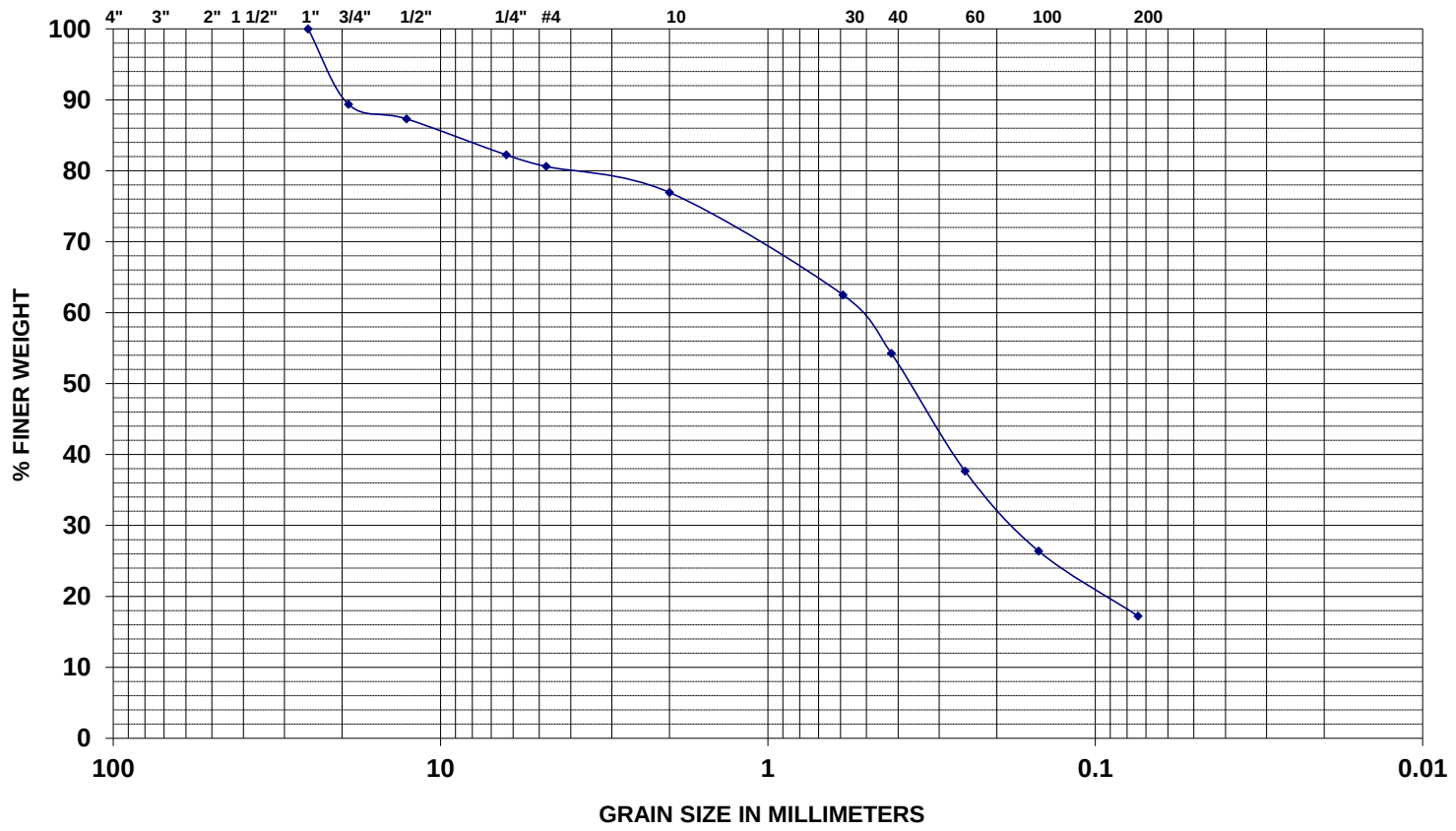
SYMBOL	DESCRIPTION AND REMARKS
◆	Brown coarse to fine SAND, some medium to fine Gravel, trace Silt
■	
▲	

SESI CONSULTING ENGINEERS

GRAVEL			SAND			SILT OR CLAY
COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	

3/4" 2mm .074mm

U.S STANDARD SIEVE SIZES



Symbol	◆	■	▲
Boring	B-2		
Sample	S-5		
Depth	15'-17'		
% +3"			
% Gravel	23.05		
% Sand	59.72		
% Fines	17.23		
% Silt			
% Clay			
Sp.G			
LL			
PL			
PI			
W (%)	14.5		

Particle Size Sieve #	Percent Finer Than
3"	-
1 1/2"	-
1"	100.00
3/4"	89.35
1/2"	87.31
1/4"	82.23
4	80.61
10	76.95
30	62.51
40	54.27
60	37.66
100	26.38
200	17.23

PARTICLE SIZE DISTRIBUTION

CLIENT: LRC Construction, LLC
PROJECT: New Rochelle, NY
DATE: August 13, 2019
JOB NO. 10637 FIGURE No 11

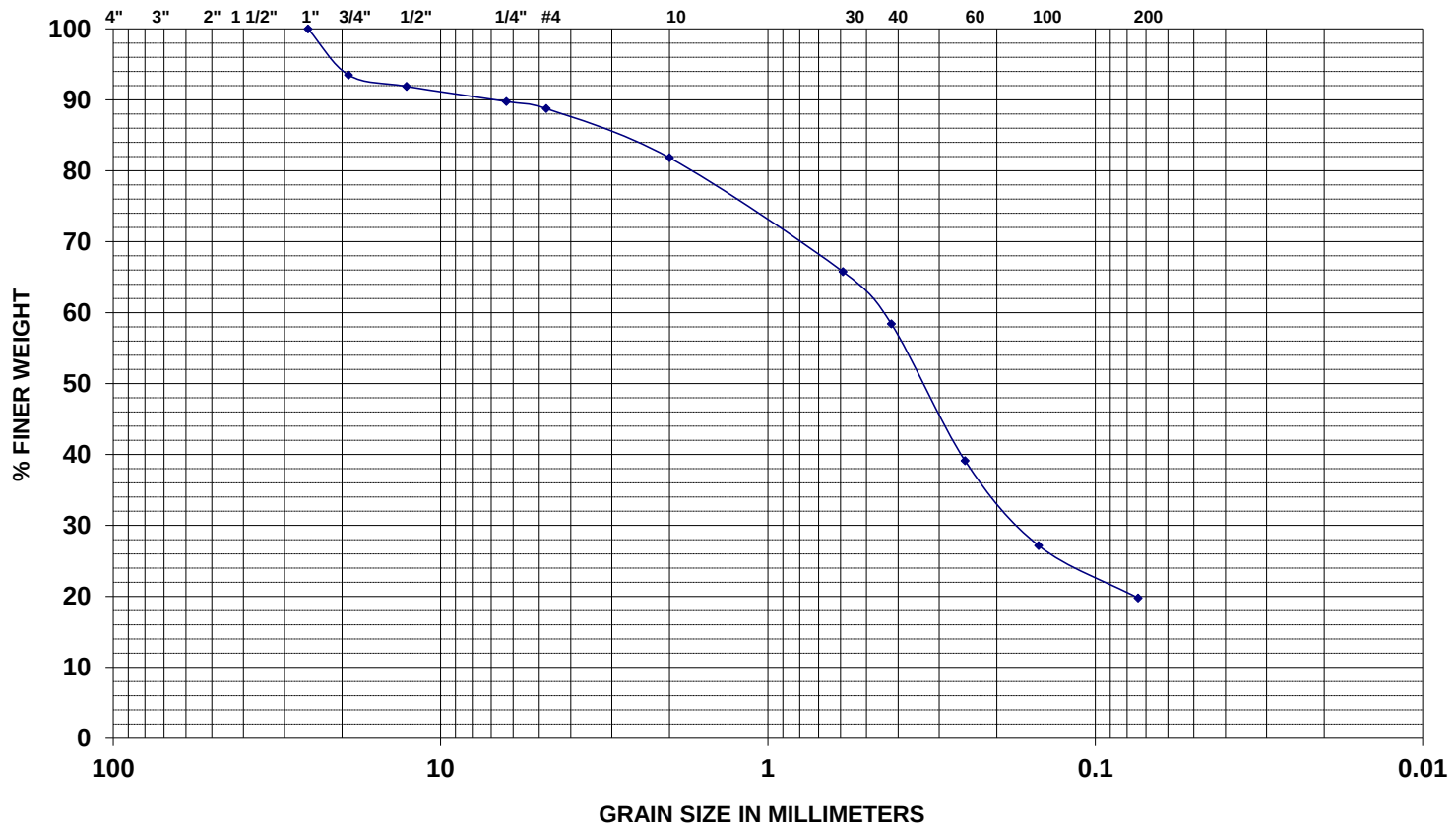
SYMBOL	DESCRIPTION AND REMARKS
◆	Brown-gray coarse to fine SAND, some coarse to fine Gravel, little Silt
■	
▲	

SESI CONSULTING ENGINEERS

GRAVEL			SAND			SILT OR CLAY
COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	

3/4" 2mm .074mm

U.S STANDARD SIEVE SIZES



Symbol	◆	■	▲
Boring	B-5		
Sample	S-5A		
Depth	10'-11'		
% +3"			
% Gravel	18.16		
% Sand	62.07		
% Fines	19.77		
% Silt			
% Clay			
Sp.G			
LL			
PL			
PI			
W (%)	14.9		

Particle Size Sieve #	Percent Finer Than
3"	-
1 1/2"	-
1"	100.00
3/4"	93.50
1/2"	91.88
1/4"	89.75
4	88.76
10	81.84
30	65.76
40	58.43
60	39.13
100	27.16
200	19.77

PARTICLE SIZE DISTRIBUTION

CLIENT: LRC Construction, LLC
PROJECT: New Rochelle, NY
DATE: August 13, 2019
JOB NO. 10637 FIGURE No 12

SYMBOL	DESCRIPTION AND REMARKS
◆	Brown coarse to fine SAND, little Silt, little coarse to fine Gravel
■	
▲	

SESI CONSULTING ENGINEERS

pure SOLUTIONS
environmental consultants

Phase I Environmental Site Assessment

500 Main Street
New Rochelle, New York

Property Owner:

Mr. Stanley M. Stern, Ms. Jane Stern & Ms. Babette S. Katz

Prepared For:

New York Covenant Church
280 Mayflower Avenue
New Rochelle, NY 10801

Prepared By:

Pure Solutions Corporation
286 Fifth Avenue - Suite 808
New York, NY 10001

Pure Solutions Project 03.375

December 8, 2003

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1.0 INTRODUCTION

This report presents the findings of the Phase I Environmental Site Assessment (PESA) of the property located at 500 Main Street, New Rochelle, New York (the Site). A Site survey and field observations were conducted by **PURE** on November 8, 2003 in accordance with the American Society for Testing and Materials (ASTM) in the Standard Practice for Environmental Site Assessments: Environmental Site Assessment Process (ASTM Standard E-1527-00) and the scope of work provided by **PURE** to said client. Our site observations were limited to the areas, which were accessible or made accessible to us, by the Owner's representative, during our site visit.

The Site consists of an approximately 40,000-square foot parcel occupied by a three-story (including a basement level) warehouse/commercial building, which is currently vacant and is not leased. Past use of the facility included commercial retail sales, most recently occupied by Recreation Equipment Inc. (REI), a sporting good and equipment retail store. Prior to REI, the facility was occupied by Grant's Department store. The building was reported as being constructed circa 1952. The facility was observed and noted to be of a slab, below-grade, concrete block and steel construction.

1.1 Selected Definitions

The following terms are used throughout this report and, for the purpose of clarity, corresponding definitions are provided. These terms are fully defined in ASTM E 1527-00.

Environmental Professional - A person possessing sufficient training and experience necessary to conduct a *site reconnaissance*, *interviews*, and other activities in accordance with this practice, and from the information generated by such activities, having the ability to develop opinions and conclusions regarding *recognized environmental conditions* in connection with the *property* in question.

Recognized environmental conditions - The presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a material threat of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, ground water, or surface water of the *property*.

Historical recognized environmental condition - An environmental condition, which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently. The final decision rests with the *environmental professional* and will be influenced by the current impact of the *historical recognized environmental condition* on the *property*.

de minimis condition - Conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not *recognized environmental conditions*.

1.2 Purpose and Scope of Work

The purpose of this report was to attempt to recognized and identify any environmental conditions and certain other environmental issues or conditions, as they existed at the Site at the time of our observations and record search. Said client has requested that this assessment be conducted for purposes of environmental due diligence in order to qualify for the innocent landowner defense to CERCLA liability. In addition, the assessment is intended to identify conditions that would have the potential to impact the value of the Site.

Our qualified environmental professionals, utilizing standards of good commercial and customary practice, conducted this site evaluation. Our work was performed in accordance with the ASTM E 1527-00. The scope of work completed for this evaluation included the following:

1. To identify the presence or release of any hazardous substances affecting the Site;

2. To determine the level of compliance with current environmental standards, laws, regulations and permits (if any) with respect to the Site;

3. To provide a basis for the evaluation of the Site;

4. To evaluate any risk to the health and well-being Site occupants;

5. To identify whether any hazardous substances have been stored, released or disposed of on the Site and;

6. To identify the need for additional testing to evaluate the scope, location, source and nature of any release of hazardous substances affecting the Site.

The scope of work for this investigation consisted of a Site walk-through, a limited asbestos survey, and review of available information regarding the Site obtained from relevant regulatory agencies. This report summarizes the results of the walk through and includes a summary of pertinent regulatory files searched with regard to hazardous materials and wastes.

The field investigation, conducted by Mr. Marc Rutstein, of Pure Solutions Corporation, included a Site visit and facility walk through, observation of the existing conditions of the subject property and the immediate neighboring properties, a record search at the local Building Department and Fire Department and the review of the site environmental data report provided to us by EDR.

Additionally, we have prepared and submitted a letter to the Westchester County Department of Health, requesting additional information regarding the information developed by the local Fire Department (DOH), detailing the presence of a 1,000-gallon underground storage tank. This reported underground bulk fuel storage tank was not located, nor observed during our site reconnaissance. The results of our DOH request have yet to be made available, at the time of the preparation of this report, and as such, our report will either be appended or amended as necessary or required, to include any findings or adverse conditions that may be outlined in the DOH response or documents provided.

PURE has made a reasonable effort, using commonly accepted industry standards, to identify and interpret available historical information and current conditions at the Site. **PURE's** recommendations for further investigation at the Site are presented in Section 5 of this report.

1.3 Involved Parties/Information Sources

Environmental Data Resources, Inc. (EDR) was subcontracted for the task of performing a search of relevant environmental and historical records. EDR maintains a comprehensive database of environmental records pertinent to properties such as this one. This database was searched for properties within applicable radii of the subject Site. Results of this database search are discussed in Section 4. Appendix B contains a list of Information Sources used during this assessment. EDR's Radius Map report is contained in Appendix C.

2.0 SITE BACKGROUND

2.1 Site Location and Adjacent Properties

The Site is located at 500 Main Street, New Rochelle, NY. The Site is located on Main Street across and between Lawton and South Division Streets. Site photographs are provided in Appendix D.

The Site is located in an area identified as the "Business Center at New Rochelle" and is surrounded mainly by commercial property with some residential mixed in. A nearby railroad and major highway 95 are nearby to the property. No automotive, fuel, manufacturing or producing industry facilities were noted to be adjacent to, or within a two-block radius of the subject site.

According to the Building Department Records, the site is classified as a C-2 Zoned District (Block 215, Lots 6 & 12). The surrounding area is a mix of industrial (further away) with commercial and residential usage within the immediate vicinity. Additional review of the local Building Department records revealed one existing violation regarding the installation of new interior partitioning, which had never been filed with the Department.

2.2 Site Area Overview

Our Site observations and record search of the neighboring properties did not reveal any obvious illegal hazardous waste activities. No suspicious discharges, emissions or apparent sources of contamination were observed from the adjoining properties.

2.3 Site History

2.3.1 Historical Fire Insurance Maps

PURE attempted to review historical Sanborn Fire Insurance Map, however the maps are not legible.

2.3.2 Historical City Directories

No Historical Directories were reviewed.

2.3.3 Local Agency Records

According to files reviewed by **PURE** at the Building and Fire Department, the following is hereby noted:

1. The DOB lists open, one single for an interior alteration filed in 1993.

2. In respect to the Fire Department, as discussed above, the F.D. has recorded, the existence of a one thousand (1,000) gallon Underground Storage Tank (UST). The location of this tank was not observed, nor was known or disclosed by any of the involved parties.

3.0 SITE INVESTIGATION

3.1 Site Walk Through

Marc Rutstein of **PURE** conducted a Site walk-through, accompanied by Al Desimone, the building manager for approximately forty years. The objective of this survey was to observe any unusual features indicative of potential environmental contamination (i.e., leaking, staining, soil discoloration, stressed vegetation).

3.2 Limited Asbestos Survey

A limited asbestos survey was conducted, consisting of observations and inventory of suspected friable asbestos-containing materials (ACM). The purpose of this limited survey was to determine the presence of suspect ACM by type and quantity, with an evaluation of the condition and corrective action recommendations as needed.

PURE's observations revealed no suspect friable suspect ACM at the Site. The HVAC room was determined to still contain encapsulated asbestos-containing duct insulation materials. Additionally, several thousand square feet of suspended ceiling tiles were noted. According to the Site representative, these tiles were installed approximately eight years ago. **Based on the reported age of these tiles, it is unlikely the observed tiles are ACM, and no further investigation is recommended.**

Non-friable materials are sampled only when these materials show evidence of previous damage. No attempt was made to sample non-friable materials if they were unbroken and undamaged. Typically, non-friable materials include floor tiles and mastic, other miscellaneous floor coverings, roofing felts and bitumen compounds, wallboard materials and joint compound, textiles (drapes, gloves, linens) gaskets, elevator brake shoes, fire doors and electrical insulators.

PURE was unable to gain access to the roof to confirm this information regarding the roofing materials present. It is **PURE's** opinion that the actual composition and asbestos content of the roofing materials should be determined, prior to performing roofing renovations or the disturbance of these non-friable building materials.

In respect to the asbestos, a survey conducted by ATC associates did involve the inspection and sampling of all interior building materials and with the exception of the duct insulation materials, previously identified as asbestos-containing, within the HVAC room, additionally, the floor tile and the associated floor tile mastic were identified as being asbestos-containing. The roof has been presumed to be asbestos-containing during our site survey.

3.3 Above Ground Storage Tanks (ASTs) and Underground Storage Tanks (USTs)

PURE's observations and records search revealed the presence of a single 5,000-gallon aboveground, vaulted storage tank. Additionally, an underground storage tank (1,000 gallon) was identified within the Fire Department records, however the location of the tank is unknown and no information is available to further assist in identifying the location. A request for additional information regarding the presence and current location of this tank, has been requested from the Westchester County Department of Health, and any and all information released to us will be forwarded to NYCC, if and when received by us. This information was requested in a letter, as a function of the "freedom of information act" and we anticipate a response at some future date.

3.4 Lead

Lead-based paint was not addressed due to the non-residential nature of the Site.

3.5 Radon

According to Geocheck, the average Radon Concentration for New Rochelle is 1.9 pCi/L and the level of concern as noted by the EPA is 4 pCi/L. New Rochelle is located in the Federal EPA Radon Zone #3 which has an average of < 2.0 pCi/L.

3.6 Waste Disposal Facilities, Hazardous Waste Generation, Storage & Disposal

Based upon **PURE's** survey, the Site's housekeeping procedures were not applicable, as the site was vacated at the time of our survey. No hazardous waste generation, storage or disposal operations were noted to exist within the property and no visual signs of stressed vegetation, stained soil, or odors were noted, either inside or outside the facility.

3.7 Storage of Hazardous Materials

PURE's observations of the Site revealed no hazardous materials used or stored at the Site.

3.8 Urea Formaldehyde Foam Insulation (UFFI)

PURE's observations did not reveal any newly installed urea formaldehyde foam insulation (UFFI) at the Site. Newly installed UFFI has been associated with indoor air quality problems.

3.9 Petroleum Hydrocarbon Contamination

PURE's observations of the Site revealed no obvious problems at the Site.

3.10 Polychlorinated Biphenyls (PCBs)

PURE's observations did not reveal the presence of electrical transformers at the Site. No potential PCB-containing equipment was observed at the Site with the exception of fluorescent light ballasts present, which may contain small quantities of PCBs, if not labeled otherwise.

3.11 Regulatory Actions

According to the EDR regulatory agency database, the Site is not listed.

3.12 Regional Problems

The Site is located in a commercial section of the City of New Rochelle. Several surrounding properties were identified in regulatory agency records provided by EDR, and reviewed by **PURE** as part of this assessment. No obvious indicators of environmental problems on adjacent properties that may impact the Site property was found in the records searched. However, this can only be determined through the sampling and analysis of soil and groundwater at the Site, which was outside scope of this investigation. Please refer to Section 4.0 of this report – *Records Search* for further information regarding regulatory listings in the vicinity of the Site.

3.13 Physical Setting

According to the U.S.G.S. (U.S. Geological Survey) 7.5-Minute Series Topographic Map (Mt. Vernon), Quadrangle, dated 1987, the Site elevation is approximately 94 feet above mean sea level (MSL). Topographically, the Site is relatively level with no abrupt changes in elevation. Depth to groundwater could not be determined precisely for the Site. Based on topography and local waterways, general regional groundwater flow direction can be inferred to be towards the sound in a southeast direction. Actual groundwater flow direction can only be accurately determined by the measurement of the groundwater levels through the installation of groundwater monitoring wells.

4. RECORDS SEARCH

Environmental Data Resources Inc. (EDR) was subcontracted for the task of performing the records search for the subject Site.

The following records were reviewed:

1. National Priority List (NPL)
2. Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
3. Resource Conservation and Recovery Act (RCRA); Treatment, storage and/or disposal sites; Large Quantity Generators and; Small Quantity Generators
4. State Priority List (SPL)

5. Leaking Underground Storage Tanks (LUSTs), Registered Above Ground Storage Tanks (ASTs) and Underground Storage Tanks (USTs)

6. State Solid Waste Landfills, Incinerators or Transfer Stations (SWLF)

7. Emergency Response Notification System of Spills (ERNS)

8. State Spills List

9. State Equivalent CERCLIS List (State Hazardous Waste Sites) Sites

4.1 National Priority List (NPL)

The National Priorities List (NPL) is EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial action under the Superfund Program. The sites on this list are prioritized as to their significant risks to human health and the environment. Only NPL sites can receive CERCLA funding. A review of this list did not reveal any NPL sites located within one mile of the Site.

4.2 Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)

The CERCLIS List is a compilation by the EPA of the sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA or Superfund Act). A review of this list revealed no CERCLIS sites within a one-mile radius of the Site.

4.3 Resource Conservation Recovery Act (RCRA)

The USEPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal and our review revealed:

0 to1/4 mile Radius:

Equal/Higher Elevation:	4 sites
Lower Elevation:	11 sites

Based upon a review of the sites, **PURE** concludes that these listings do not represent a recognized environmental condition for the Site, and no further investigation is recommended.

4.4 State Priority List (SPL)

The State Priority List is a generic name for databases maintained by many states that contain sites considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment.

These sites are generally listed by the state to warn the public, or as a part of an investigation or cleanup program managed by the state. A review of this list did not reveal any SPL sites located within one mile of the Site.

4.5 Leaking Underground Storage Tanks (LUSTs), Registered Above Ground Storage Tanks (ASTs) and Underground Storage Tanks (USTs)

These are databases maintained by state or local agencies of known or suspected leaking underground storage tanks (LUSTs) and registered underground storage tanks (USTs). A total of sixty-three (63) LUST sites are located within a half mile of the subject Site. They are not located on the adjoining properties. Forty-two (42) of these LUST sites are listed as "Cleanup met status and cases are closed." The remaining twenty-one (21) LUSTs sites have cleanup status listed as "Not Reported". Of the forty-two sites listed as Not Reported, only one site is located at a higher elevation and within a distance < 1/8 miles from the site (15 Division Street). The other sites determined to be present are all lower in elevation that the inspected site.

Based upon these findings, PURE concludes that LUST and AST/UST listings do not represent a recognized environmental condition for the Site, and no further investigation is recommended.

4.6 State Solid Waste Landfills, Incinerators and Transfer Stations (SWLF)

This is a database maintained by state or local agencies of solid waste landfills, incinerators and transfer stations (SWLF). A review of this database revealed the presence of one SWLF site within a one-half mile radius of the Site.

One State Hazardous Waste site is located within a one-quarter to a one-half mile distance from the site and is located at the Con Edison Site on Echo Avenue Site. The site is approximately 150 by 600 feet (90,000 sq. ft) and was originally owned by Westchester Lighting Co. The sight has documented PCB's and contamination.

4.7 Emergency Response Notification System of Spills (ERNS)

This is a national database used to collect information on reported releases of oil and hazardous substances. This information consists of spill reports made to federal authorities including the USEPA, the US Coast Guard, the National Response Center and the Department of Transportation. A review of the ERNS database did not reveal any spills at the Site.

4.8 State Spills List

This is a State specific database used to collect information on reported releases of oil and hazardous substances in certain states. Based upon the database, seven (7) spills were located within a 1/8 mile radius of the site. Three of the sites were higher in elevation and four were lower.

Based upon a review of the sites, **PURE** concludes these listings do not represent a recognized environmental condition for the Site, and no further investigation is recommended.

4.9 State Equivalent CERCLIS List (State Hazardous Waste Sites) Sites

This is the database maintained by the state of facilities subject to investigations concerning likely or threatened releases of hazardous substances from those facilities. A review of this database revealed no SHWS sites located within one mile of the subject Site.

For more information regarding the above-mentioned sites, please refer to the EDR Radius Map included in Appendix C of this report.

5. CONCLUSIONS AND RECOMMENDATIONS

Based on the Site walk through, an interview with the current Site owner, and the agency records review, **PURE** makes the following conclusions and recommendations:

5.1 Regulatory Agency Records Review

The Site is not listed on any of the databases searched.

5.2 Site Historical Use

Review of local records revealed that the Site was used commercially only and does not appear to present any potential problems in respect to past uses.

5.3 Aboveground Storage Tanks and Underground Storage Tanks

PURE has concerns regarding the identification of the 1,000-gallon UST that is listed as being present on the property. We suggest that additions efforts be made to confirm or deny the presence and actual location of the tank.

In respect to the 5,000-gallon vaulted tank, we recommend that this tank be tested for integrity, as no existing documentation or records were made available, detailing recent tank fitness testing.

5.4 Asbestos-Containing Materials (ACM)

PURE identified the presence of friable duct insulation materials, located within the HVAC room , which was reported and appeared to have had been encapsulated. Within regard to the remainder of the facility, documentation was reviewed which indicates that the floor finish materials (tile and mastic) should be considered to be asbestos-containing. Additionally, it is our presumption that the built up roofing materials present are presumed to be asbestos-containing, unless otherwise determined.

6.0 RECOMMENDATIONS

PURE recommends that the existence of the underground tank be further investigated and that the vaulted tank undergo a tank test to insure the integrity of the tank.

Additionally, this report may be amended depending upon the information provided within the Westchester DOH documents.

7.0. LIABILITY RELEASE

PURE recognizes that Mr. Charlton Hamer, of the New York Covenant Church, is relying on the contents of this report in evaluating the Site. This report is based on activities performed by **PURE's** professional staff. We state that observations made in this report are accurate to the best of our knowledge, and that no findings or observations concerning the potential release of hazardous substances have been withheld or amended.

The research and observations have been conducted in a manner consistent with industry and professional standards. **PURE** shall have no liability or obligation to any party other New York Covenant Church, and **PURE's** obligations and liabilities to NYCC, its successors or assigns and Ms. Sharon Eaddy, or his successors or assigns is limited to fraudulent statements made, or negligent or willful acts or omission.

8.0. CONFIDENTIALITY STATEMENT

PURE agrees to hold the information contained in this report, or any portion thereof, confidential. This report or information contained herein will not be released to any party except as required by law, without the consent of Mr. Charlton Hamer, of the NYCC, its successors or assigns. Upon Client *written* approval and authorization, this report will be issued to any designated party, as directed by our Client.

EXECUTIVE SUMMARY

In accordance with a proposal agreement with Mr. Charlton Hamer, of the New York Covenant Church (NYCC), **Pure Solutions Corporation (PURE)** performed a Phase I Environmental Site Assessment (PESA) of the property located at 500 Main Street, New Rochelle, NY (the Site).

The Site consists of a 40,000 square foot parcel occupied by a three-story warehouse /commercial building that is currently vacant. The structure is a three-story, slab-below grade, concrete block building that was erected in 1952 and is currently co-owned by Mr. Stanley M. Stern, Ms. Jane Stern and Ms. Babette S. Katz.

Information in this report represents the results of the PESA of the above-referenced property. The Site investigation conducted by **PURE** included a Site walk through, an interview with the current Site owner's representative Al Desimone, Site history research (Sanborn Maps), EDR databases and an asbestos inspection report dated January 15, 1999. The objective of this assessment was to determine the present condition of the Site and to determine the potential for contamination of the Site by hazardous materials. The following provides a summary of **PURE's** findings and recommendations:

Regulatory Agency Records Review

The Site is not listed on any of the databases searched by EDR.

Site Historical Use

Review of local records revealed that the Site was used as a business establishment since its construction in 1952. The property has always been commercial. In 1979, an application was made to convert the space to a skating rink, however this was performed. The space was initially used as a department store and was later occupied by Recreation Equipment Inc., a store specializing in the sale of outdoor adventure activities (hiking, camping, boating, etc.)

Aboveground Storage Tanks and Underground Storage Tanks

PURE identified the presence of one 5,000-gallon vaulted above ground petroleum storage tank (ASTs) currently at the Site. The fill pipe and vent pipe were located on the side loading dock area. According to the site representation, Al Desimone, the tank has never been tested and he is not aware of any problems relating leakage. Visual of the interior meter did not identify the presence of any product, however, it was not known whether the meter was working properly. The presence of fuel products and the operational mode of the fuel level meter should be further investigated. Additionally, **PURE** recommends that the vaulted tank undergo appropriate testing to assure the integrity and that the tank has not been compromised.

During a visit to the Fire Department, it was also learned that a one thousand (1,000) gallon Underground Storage Tank is also located on the site, however no additional information has been identified and a review of the property has not identified any further information as to the possible location of such tank. It is our opinion that further investigation may need to be considered, so as the tanks presence can be confirmed or denied, as well as to the existence of any fuel products remaining.

Asbestos-Containing Materials (ACM)

PURE did identify the presence of encapsulated asbestos-conduct duct insulation materials, within the 2nd floor HVAC room and also reviewed the 1999 asbestos plan prepared by ATC Associates whereby various asbestos containing materials (plumbing insulation, floor tiles and mastic, etc.) were noted as present within the building. According to the site representative, the HVAC room duct insulation was encapsulated several years ago. The roof, which was not mentioned in the report, is likely to be constructed with asbestos-containing building materials, given the age of the building.

Local Building Department Research

PURE did identify the presence of one Department of Buildings (DOB) violation, which cited the facility for a project consisting of the installation of interior portioning walls, which had not been filed with the local DOB and is considered to be an illegally performed renovation activity. This outstanding violation should be corrected by the current ownership, so as a post-legalization can be conducted in order to satisfy the local DOB requirements for construction.

Additional Information

PURE has requested the research of any existing documentation from the Westchester County Department of Health (DOH) (under the "freedom of information act"), with regard to the existence of the unfounded 1,000-gallon underground storage tank, which was reportedly present at the subject location. We will prepare and submit all additional information regarding our finding upon the receipt, in the form of an appendix, should we receive enlightening data regarding this situation.

Methods of locating the tank, should the DOH information be uninformative, can include ground penetrating radar (GPR) and the installation of ground coring or probe wells, in an effort to locate the tank and/or establish the presence of any subsurface petroleum contamination.

LIMITATIONS

This report was prepared in general conformance with the American Society for Testing and Materials (ASTM) in the Standard Practice for Environmental Site Assessments: Environmental Site Assessment Process (ASTM Standard E-1527-00) and the scope of work provided by **PURE** to the New York Covenant Church. This report is solely for the use and benefit of the New York Covenant Church, its successors and assigns, and may not be relied upon by any other party without the express consent of NYCC and **PURE**. Our professional services have been performed, our findings obtained and our recommendations prepared in accordance with customary principles and practices in the field of environmental science. This warranty is in lieu of all other warranties either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration presented in this report.

All surficial environmental assessments are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation. Subsurface conditions were not field investigated as part of this study and may differ from the conditions implied by the surficial observations. Additionally, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties.

No investigation can absolutely rule out the existence of any hazardous materials at a given site. This assessment has been based upon prior site history and observable conditions and activities. Existing hazardous materials and contaminants can escape detection using these methods.

Furthermore, the work performed in conjunction with this assessment and the data developed are intended as a description of available information at the dates and location given. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

CERTIFICATION OF AUTHENTICITY

This is to Certify that I, Marc Rutstein have reviewed the existing documentation and provided site observations of the property located at 500 Main Street, New Rochelle, New York, for the purpose of identifying and assessing any environmental conditions which would impact the safe occupancy of the Site and the research of historical data pertaining to the land use and possible hazardous preexisting conditions. Our Site observations and document research was performed by Marc Rutstein. To which I hereby attach to this document, our signatures for the ratifying and attesting to, of any and all information contained within this Environmental Site Assessment report.

Signature

12/9/03
Date

Signature

12/9/03
Date

PHASE I ENVIRONMENTAL SITE ASSESSMENT

506 Main Street Property
New Rochelle, New York 10801

Prepared for:

Wilder Balter Partners, Inc.

Prepared by:

Tim Miller Associates, Inc.
10 North Street
Cold Spring, New York 10516
(845)-265-4400

Issue Date: March 6, 2017

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
506 Main Street Property
New Rochelle, New York 10801

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FIGURE – 1 Aerial Photograph

APPENDIX – A Environmental Database Report
APPENDIX – B Historic Aerial Photographs
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1.0 SUMMARY

TIM MILLER ASSOCIATES, Inc. (TMA) completed a Phase I Environmental Site Assessment (ESA) of the 506 Main Street property at the request of Mr. James Wendling of Wilder Balter Partners, Inc., during the month of February, 2017. The Property consists of one tax map parcel totaling approximately 0.11 acres and is located on Main Street in the City of New Rochelle, New York. The parcel is listed as Tax Map number: 1-215-0011. The subject property is shown in Figure 1 – Aerial Photograph.

This Phase I Environmental Assessment was prepared for Wilder Balter Partners, Inc. in accordance with the standard Phase I Environmental Assessment protocol promulgated by the American Society for Testing and Materials (ASTM E-1527-13).

The key elements of this Phase I assessment involved an investigation into the history and physical setting of the Property and adjacent areas including: current and past land uses and activities, disposal practices, available utilities, and a review of available historic and contemporary mapping to determine past or current land uses which may impact the Property. In addition, regulatory agency documents are reviewed to determine spills, petroleum bulk storage, hazardous waste generators, and hazardous waste remediation sites in the vicinity of the Property.

Review of potential subsurface contamination focused primarily upon past and present residential and commercial activities associated with the storage and handling of bulk quantities of chemicals, petroleum products, and waste products. Specifically, the presence of underground or aboveground tanks is investigated, as well as Property and area disposal practices.

The investigation has found no recognized environmental conditions on or near the subject property that have the potential to affect the subject property.

2.0 INTRODUCTION

2.1 PURPOSE

The purpose of this investigation was to provide a preliminary evaluation of the potential environmental risks associated with the Property. The investigation was performed in general accordance with ASTM E 1527-13 “Environmental Site Assessments”, in order to provide “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice.”

2.2 SCOPE

TMA performed the following tasks within the scope of this investigation:

1. Reviewed available maps, aerial photographs, and property records to establish the land use history of the Property as well as the environmental and hydrogeological setting of the property.
2. Reviewed information regarding the environmental condition and history of the Property and abutting properties from federal, state, and local sources.

3. Performed a site reconnaissance for observable evidence, indicating the possible use, storage or dumping of hazardous materials or wastes on the Property or adjacent properties.
4. Interviewed the current property owner representative, Mr. William Cuddy, of CBRE regarding any environment issues that he may be aware of regarding the property.
5. Prepared a Phase I Environmental Site Assessment Report summarizing the findings and conclusions of this investigation.

2.3 SIGNIFICANT ASSUMPTIONS

The conclusions found in this report are based, in part, on studies, data, and background information provided by others. Tim Miller Associates makes no guarantees as to the accuracy or completeness of this information.

In order to determine whether certain environmental conditions may impact the subject Property, TMA makes reasonable assumptions regarding the probable (inferred) groundwater flow direction. These assumptions are based on information provided by standard United States Geologic Survey Topographic maps, other topographic surveys and on-site drainage conditions. These sources do not include groundwater elevations or gradients. In order to determine actual groundwater elevations and flow directions, site specific hydrogeologic testing is required, such as the installation of monitoring wells and groundwater gradient mapping. Such activities are beyond the scope of a Phase 1 ESA performed in accordance with ASTM E 1527-13. Groundwater conditions may also vary due to seasonal changes, precipitation, well influences, and variations in soil and bedrock geology.

2.4 LIMITATIONS & EXCEPTIONS

This report has been prepared for the exclusive use of Wilder Balter Partners, Inc. for specific application to the listed Property with the sole purpose of providing a preliminary evaluation of the potential environmental risks associated with the property. No other warranty, expressed or implied, is made as to the professional advice included in this report. This investigation is intended to provide the user with a preliminary evaluation of the Property's environmental conditions.

The scope of services associated with this Phase I Environmental Site Assessment did not include items such as the performance of environmental soil and water sampling and testing, asbestos sampling or testing, wetland delineation, or the investigation of environmental issues regarding radon. A visual inspection for asbestos containing material (ACM) and for lead based paint was performed. These issues are discussed in Section 6.1.

2.5 SPECIAL TERMS & CONDITIONS

Our professional services have been performed using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental scientists practicing in this or similar situations.

2.6 USER RELIANCE

Reasonable care has been taken by TMA in checking information arrived at through interviews and any other secondary sources of data. However, TMA disclaims any and all liability for errors, omissions, or inaccuracies in such information and for any consequences

arising therefrom or from errors, omissions, or inaccuracies arising from circumstances connected with the subject project that cannot be ascertained through standard visual reconnaissance techniques.

Any and all liability on the part of TMA shall be limited solely to the cost of this survey report. TMA shall have no liability for any other damages, whether consequential, compensatory, punitive, or special, arising out of, incidental to, or as a result of, this survey and report. Tim Miller Associates assumes no liability for the use of this survey or report by any person or entity other than the individual or institution for whom it has been prepared.

We represent that observations made in this report are accurate to the best of our knowledge, and that no findings or observations concerning the potential presence of hazardous substances have been withheld or amended. The research and inspections have been carried to a level that meets accepted industry and professional standards. Nevertheless, TMA shall have no liability or obligation to any party other than to Wilder Balter Partners, Inc. and TMA's obligations and liabilities are limited to fraudulent statements made, or negligent or willful acts or omissions.

3.0 SITE DESCRIPTION

3.1 LOCATION & LEGAL DESCRIPTION

The Property consists of one tax parcel located in the City of New Rochelle, Westchester County, New York and is designated as Tax Map number: 1-215-0011. The Property is located on the south side of Main Street and directly east of the Main Street/ Church Street intersection. The property is approximately 0.11 acres in size (see Figure 1).

3.2 PROPERTY & VICINITY GENERAL CHARACTERISTICS

The current topographic map [White Plains, NY, 1994 (Scale: 1:24,000)] shows the Property as located in an urban setting. The property is located in an area of primarily commercial and mixed uses.

The property and nearby properties are generally level. An aerial photo of the property and site boundaries is provided as Figure 1.

3.3 CURRENT USE OF PROPERTY

The Property currently contains a two-story brick building with a basement, currently occupied by a discount store on the first floor, while the second floor is vacant. A small rear yard is located at the south side of the building forming an alley to Church Street. The Property was not identified as a hazardous materials generator or storage site in the environmental regulatory database review.

3.4 CURRENT USES OF ADJOINING PROPERTIES

The properties adjoining the Property are commercial, properties and institutional land. During the site reconnaissance, TMA noted the following adjacent property uses:

- **North:** The Property is bordered to the north by Main Street and across Main Street by three story buildings with a wig store, nail salon and beauty supply store on the first floor with apartments on the upper floors.

- **South:** The Property is bordered to the south by a three-story masonry building occupied by a church.
- **East:** The Property is bordered to the east by a two-story masonry building containing a church.
- **West:** The Property is bordered to the west by a three-story brick building with a clothing store on the ground floor and apartments on the upper floors.

The surrounding developments appear consistent with existing zoning.

4.0 CLIENT PROVIDED INFORMATION

4.1 ENVIRONMENTAL LIENS OR ACTIVITY & USE LIMITATIONS

The client did not provide any deed information to assist in the evaluation of possible environmental liens or restrictions on the Property. In addition, no documentation was found during this investigation that any such conditions exist.

4.2 SPECIALIZED KNOWLEDGE

The client did not provide any specialized knowledge about the Property. At this time, there is no reason to believe any relevant information exists.

4.3 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The client did not provide any information regarding any valuation reduction of the Property for environmental reasons.

4.4 REASON FOR PERFORMING PHASE 1 ESA

The investigation was performed in accordance with ASTM E 1527-13“ Environmental Site Assessments”, in order to provide “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice.”

5.0 RECORDS REVIEW

5.1 TITLE RECORDS

A title search was not requested or performed for this Environmental Assessment. The information listed here was obtained from the City of New Rochelle Assessor’s Office and Building Department. The Property is designated as a single tax parcel identified as: 1-215-0011. The current owner is listed as Raymond Lerner.

5.2 ENVIRONMENTAL DATABASE REPORT

Environmental Data Resources, Inc. (EDR) conducted a search of available environmental records for the Property and ASTM specified areas surrounding the property. The search met the specific requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-13. The report containing the findings of this search is attached to this report (see Appendix A).

The following types of databases were plotted within the ASTM E 1257-13 search radii:

National Priorities List (NPL) and Proposed NPL Sites

The NPL List, also known as the Superfund List, is a USEPA listing of uncontrolled or abandoned hazardous waste sites. The list is primarily based on a score that the Property receives from the EPA's Hazardous Ranking System. These sites are targeted for possible long-term remedial action under the Superfund Act. *According to the ASTM standard, the minimum search distance is one-mile from the subject property.*

No NPL sites were identified within the 1.0-mile search radius from the Property.

Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

The CERCLIS list is a compilation of known and suspected uncontrolled or abandoned hazardous waste sites. These sites have been investigated, or are currently under investigation by the EPA, for the release, or threatened release of hazardous substances. Once a site is placed on the CERCLIS report, it may be subjected to several levels of review and evaluation, and ultimately placed on the National Priorities List. *According to the ASTM standard, the minimum search distance is 0.5-mile from the subject property.*

No CERCLIS sites were identified within the 0.5-mile search radius from the Property.

NYS Hazardous Waste Disposal Site Registry (SHWS)

State hazardous waste lists are the state's equivalent to CERCLIS described above. This is a state listing of sites that can pose environmental or public health hazards requiring investigation or cleanup. *According to the ASTM standard, the minimum search distance is one-mile from the subject property.*

Three SHWS sites was identified within the 1.0-mile search radius from the Property. All of them were greater than one-quarter mile from the site. The Consolidated Edison site on Echo Avenue has been remediated. The Two other sites: Industrial Overalls, 10 Bartels Place and Bakers Pride Oven Company, 30 Pine Street, involve groundwater contamination from cleaning solvents. The database indicates that the area of potential impact is less than 1000 feet, which indicates the subject property is not impacted.

Emergency Response Notification System (ERNS)

ERNS is a national computer database system that is used to store information on the release of hazardous substances into the environment. The ERNS reporting system contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party. *According to the ASTM standard, the minimum search distance is the subject property.*

The subject Property is not listed on the ERNS reporting system.

NYS Solid Waste Facility/Landfill Sites Register (SWF/LF)

The NYS Solid Waste Facility Register is a comprehensive listing of all permitted solid waste landfills and processing facilities currently operating within New York State.

According to the ASTM standard, the minimum search distance is 0.5-mile from the subject property.

One SWF/LF site was identified within the 1.0-mile search radius from the Property: the Teledyne Hydra-Power site, 310 Main Street, located 0.45 miles from the property. This site generated hazardous waste, but has no violations or on-going clean-up.

Resource Conservation and Recovery Information System (RCRIS)
RCRA Hazardous Waste Data Management System

The USEPA's Resource Conservation and Recovery Information System (RCRIS) report of large, small quantity generators and conditionally exempt small quantity generators (LQG, SQG and CESQG); treatment, storage, and disposal (TSD) facilities; and transporters contains information pertaining to those facilities that are required to register their hazardous waste activity under the Resource Conservation and Recovery Act. Such facilities are of concern when they are *not* RCRA-compliant. *According to the ASTM standard, the minimum search distance for transporters, storers and disposal of hazardous wastes is one-mile from the subject property. For generators, the minimum search distance is the property and adjoining properties (within 0.25-miles of the target Property).*

Six RCRA large quantity generators (LQG) were identified within the ASTM search radius from the Property. The generators listed were: Consolidated Edison for four locations related to clean-up, CVS Pharmacy, 222 North Avenue and Flamingo Cleaners, 149 North Avenue. No violations are listed for the RCRA Large Quantity Generators.

The Flamingos Cleaners site is located approximately 550 feet east of the site. The former cleaners is no longer in operation and is now a Brownfields site. According to the database the on-site contamination related to former uses is limited to the site and has “little to no off-site impacts”.

Four conditionally exempt small quantity generators were identified within the search radius and no violations were listed for these locations.

NYS Registered Storage Tanks

Underground storage tanks (USTs) are regulated under RCRA and must be registered with the state department responsible for administering the UST program. *According to the ASTM standard, the minimum search distance for registered USTs is the subject property and adjoining properties.*

Thirty-five (35) New York State Department of Environmental Conservation (NYSDEC) registered underground storage tank (USTs) sites were identified within a 0.25-mile radius from the Property. No registered tank sites are directly adjacent to the subject property.

New York Chemical Bulk Storage Tanks/New York Major Oil Storage Facilities Database (MOSF)

The New York Chemical Bulk Storage Report contains information pertaining to facilities that store regulated substances in aboveground storage tanks (ASTs) with capacities of 185 gallons or greater, and/or underground storage tanks of any size. The New York Major Oil Storage Facilities Database contains information on facilities that may be onshore or

vessels with petroleum storage capacities of 400,000 gallons or greater. *According to the ASTM standard, the minimum search distance for bulk storage tanks is 0.25-mile from the subject property.*

No Major Oil Storage Facilities (MOSF) are located within the 0.25-mile radius from the subject Property.

NY Brownfields Sites

The New York Brownfields list is a list of sites that under the Environmental Restoration Program the State provides grants to reimburse costs for site investigation and remediation activities. Once a Brownfields site is remediated it can be reused for commercial, industrial, residential, or public uses. *The search distance available within the historic environmental report is 0.5-miles from the subject Property.*

The Flamingos Cleaners, 149 North Avenue property is located approximately 650 feet southwest of the site. The former cleaners is no longer in operation and is now a Brownfields site. According to the database the on-site contamination related to former uses is limited to the site and has "little to no off-site impacts". A Brownfields clean-up has been completed at the property.

New York Leaking Storage Tanks /New York Spills List

The New York State Leaking Storage Report is a comprehensive listing of all leaking storage tanks reported to the NYSDEC. In New York State, spills are also listed on Leaking Underground Storage Tank list. *According to the ASTM standard, the minimum search distance for leaking underground tanks is 0.5-mile and the minimum search distance for New York State Spills is 0.125-miles.*

Thirty-nine (39) NYSDEC leaking tanks were reported within a 0.25-mile radius from the Property. According to the database, the subject property had a leaking underground fuel oil tank removed in July through September, 2013. The tank and impacted soil was excavated and removed by Northeast Environmental. The NYSDEC reviewed the tank closure report and issued a "no further action" notice in October, 2013. A further description of the tank removal and response is provided in Section 6.0 Site Reconnaissance.

Two spill incidents near the subject property have been responded to and closed by the NYSDEC:

Attack Pesticides, 498 Main Street: The spill involved unknown pesticides in 4-55 gallon drums that were removed by the NYSDEC. The spill incident was closed in February, 2005.

Commercial building, 507 Main Street (Across Main Street from the subject site): The spill involved fuel oil leaking in a brick vault from a 1,000-gallon fuel oil tank. The spill was responded to and closed in February, 1992.

All of the listed NYSDEC spill case numbers within the 0.25-mile radius have been closed, indicating that the spill cases no longer have clean-up requirements or regulatory involvement with the NYSDEC.

Tim Miller Associates has reviewed the location and circumstances of the leaking tanks and spill cases, as reported in the database. Given the closed status and locations of the listed leaking tanks and spill incidents, these spills are not expected to have impacted the subject Property.

Unplottable Sites

The regulatory agency database review includes a listing of sites, which cannot be plotted on a map due to limited information on their geographic location. As part of this review, TMA has reviewed this list to determine whether any of these sites represent a potential hazard to the subject Property. Following the review, the listed unplottable sites are not expected to have impacted the subject Property.

5.3 PHYSICAL SETTING SOURCES

Historic Aerial Photographs

Historic aerial photographs were available for the property from EDR and copies are provided in Appendix B. Historic aerial photographs were available for 1946, 1951, 1954, 1962, 1966, 1974, 1980, 1985, 1994, 2006, 2009, and 2011. The photographs show that the site has been occupied with the existing building since 1946.

The earliest photos between 1946 and 1954 show the existing building in its current urban setting. Development in and around the project site has not changed substantially since the earliest photos. A parking lot is shown on the west side of Church Street in the photos after 1954, where previously there had been development.

Sanborn Maps

Sanborn Maps from 1887, 1892, 1896, 1903, 1911, 1931, 1942, 1951, 1990, 1991, 1992, 1993, 1994, 1995, 1996 and 2003 were available for the subject Property. Copies of the maps are provided in Appendix C.

The earliest Sanborn maps available from 1887 until 1896 show the property on a mostly developed block and a smaller building in the location of the existing building. The building is identified as a “Chinese laundry”. In the 1903 map the building is identified as a “market”. The 1903 map shows the existing fire department building (now a church) directly south of the subject site. The 1931 map does not show uses but indicates that the building is a store.

The 1941 map shows a store in its present building configuration and “fur storage” is indicated. The building is noted as vacant from 1991 through 1994. Adjacent and nearby development has generally remained consistent since the 1940’s.

Historic Report Summary

In summary, historical sources indicate that the property has been occupied by the existing building since at least 1931, consistent with Building Department records. Twelve aerial photographs and 16 Sanborn maps provide documentation for prior uses on the property. Data gaps (information at greater than 5 year intervals) for the historical information are, as follows:

1896 to 1903
1903 to 1911
1911 to 1931
1931 to 1942
1954 to 1962
1966 to 1974
1974 to 1980
1985 to 1994

These data gaps are the result of data failure, since all standard historical sources that are reasonably attainable and likely to be useful, have been reviewed. According to ASTM E 1527-05, Section 8.3.2.1, *"Review of standard historical sources at less than approximately five year intervals is not required by this practice. If the specific use of the property appears unchanged over a period of longer than 5 years, then it is not required by this practice to research the use during that period*". As described above, all standard historical sources indicate that the property has been occupied with the existing carriage house building since at least 1929 and the masonry building since at least 1965.

Local Setting

The Property is developed with a two-story masonry building with a small rear yard. The property is located in an urban setting with primarily commercial, residential and office uses. The site is relatively level, with no noticeable slopes on or near the property.

The subject property is situated within the Manhattan Prong geologic province, a region characterized by undifferentiated gneiss and granitic gneiss that dates from the Pre-Cambrian and Ordovician ages, as shown on the Geologic Map of New York, Lower Hudson Sheet, Fisher, 1970.

Regional surficial geology on the Property is identified on the State Surficial Geology map as lacustrine delta material including stratified sand and fine gravel deposits (Surficial Geologic Map of New York, Lower Hudson Sheet, Cadwell, 1989).

6.0 SITE RECONNAISSANCE

The subject Property and environs were inspected on February 13, 2017, by Jon Dahlgren of TMA. The purpose of the site visit was to review the physical use and appearance of the Property and neighboring properties as well as activities on the adjacent to the Property. Photos taken during the site visit are provided in Appendix D.

The property contains a single two-story masonry building with a basement, currently used as a discount general merchandise store. The building's second story is vacant. The building was constructed in 1915 and renovated in 1935 according to Building Department records. A small rear yard is at the back (south side) of the building and this forms an alley to Church Street. The building fronts directly onto Main Street and is approximately 8,600 square feet in size.

A stairway on the rear-west side of the building provides access to the second floor, and the basement. The first floor of the building contains retail space in a single open space divided by retail shelves and isles. The second floor contains an open room at the front (north) and a storage room at the rear (south). According to Sanborn Maps the building was formerly used for the sale of furs and the storage room appears to be insulated for the cold storage of furs. Two small lavatories are located on the second floor. The basement is divided by several walls and is generally empty. A fuel oil supplied furnace is located on the western basement wall and a 275-gallon aboveground fuel oil tank is located on the northern basement wall. A stairway and metal door provide access to the basement from the street.

A small rear yard is located at the rear (south side) of the building and is accessed by a rear door. The yard contained an air conditioning unit. The rear yard forms an alley to Church Street to the west.

No dumping, refuse or release of petroleum or hazardous materials was observed during the site visit.

Utilities

Public utilities are available to the subject Property include water, sewer and natural gas along Main Street. Private electric, telephone and cable are also available.

Petroleum/Chemical Bulk Storage

A 275-gallon aboveground fuel oil tank is located on the northern basement wall. The tank appeared in good condition. According to a tank closure report by Northeast Environmental Inc., a 1,000-gallon underground fuel oil tank was removed in July, 2013. The tank was located in the rear yard of the building. A copy of the tank closure letter is provided in Appendix E. Upon removal, it was observed that fuel oil had leaked from the tank and impacted the surrounding soils. Impacted soils were screened and excavated for disposal by Northeast Environmental. Confirmatory soil samples were collected at the sides and base of the excavation.

Post excavation soil sampling results showed levels of petroleum related compounds in two locations "marginally exceeding" the NYSDEC CP-51 soil clean-up guidance values. Based upon the results, Northeast Environmental requested that no further remedial work be considered necessary. The NYSDEC agreed with the assessment and closed the spill incident on October 10, 2013. A NYSDEC Spill Incident report is provided in Appendix E.

Septic Systems, Leach Beds, or Other Subsurface Structures

No septic systems, leach beds or other subsurface structures were observed on the Property.

Drums or Containers

No drums or containers of petroleum or hazardous materials were observed during the site visit.

Waste Disposal Practices

Commercial waste is collected by a commercial waste contractor.

Polychlorinated Biphenyl (PCB) Survey

The inspector conducted a visual survey for the presence of PCB's or PCB-containing equipment, e.g., transformers, capacitors, and hydraulic equipment. PCBs were widely used in such equipment until 1979 when U.S. EPA banned such use. Many utilities have since acted to replace PCB containing transformers and capacitors with other substances.

No suspect PCBs or PCB-containing equipment was observed during the site walk-through.

Surface Water, Impoundments, and Other Land Uses

No streams, ponds or other areas of standing water were observed.

Dumping

There was no indication of dumping on the property.

6.1 ASBESTOS AND LEAD BASED PAINT

During the site inspection, the building was visually inspected for the presence of Asbestos Containing Material (ACM) and lead based paint. Physical sampling of materials and laboratory testing was not performed.

Insulation was observed on pipes in the basement, and the insulation potentially contained ACM, given the age of the building. The basement also contained a pressed board ceiling in places, that may contain ACM. Floor tile on the second floor may also contain ACM. Given that the building was constructed in approximately 1915 and renovated in 1938, ACM may be present in roofing shingles, caulking, wallboard or other materials added during renovations over the history of the structure. Only testing by a qualified asbestos consultant could provide definitive information regarding the presence of ACM.

Painted surfaces in the building appeared to be in fair condition. Lead-based paint may be present in the building, given the age of the structure. Only testing by a qualified lead consultant could provide definitive information regarding the presence of lead based paint.

7.0 INTERVIEWS

7.1 PROPERTY OWNER

The current property owner listed in the City Assessors office is Raymond Lerner. Since the property is in an estate, the property realtor, Mr. William Cuddy was interviewed regarding the property and specifically to obtain information indicating recognized environmental conditions in connection with the property. A questionnaire is provided in Appendix E.

7.2 GOVERNMENT OFFICIALS

The records review was conducted at the City of New Rochelle Assessor and Building Department. These records provided no indication of environmental concerns associated with the Property. The New York State Department of Environmental Conservation (NYSDEC) and the Westchester County Department of Health (WCDOH) were also sent information request (FOIL) letters (see Appendix E). These agencies have not responded to our FOIL request as of the submission of the report. Any response from the agencies will be forwarded to Wilder Balter Partners, Inc.

8.0 FINDINGS

This Environmental Site Assessment (ESA) involved a multi-task investigation to establish current and historic environmental conditions on the Property. The specific findings of this Environmental Site Assessment are, as follows:

1. The subject Property reviewed for this assessment consists of one tax map parcel listed as Tax Map number: 1-215-0011. The property is approximately 0.11 acres in size and is located on the south side of Main Street in the City of New Rochelle, New York.

2. The property contains a two-story masonry building with a basement, currently used as a discount general merchandise store. The building's second story is vacant. The building was constructed in 1915 and renovated in 1935 according to Building Department records. A small rear yard is at the back (south side) of the building and this forms an alley to Church Street. The building fronts directly onto Main Street and is approximately 8,600 square feet in size.

3. According to the City Assessor's records, the current owner is listed as Raymond Lerner.

4. The subject Property and environs were inspected on February 13, 2017, by Jon Dahlgren of TMA. The purpose of the site visit was to review the physical use and appearance of the Property and neighboring properties as well as activities on and adjacent to the Property. The Property was observed to contain a two-story masonry building used as discount general merchandises store on the ground floor.

5. The property is mostly level, and the building occupies the majority of the lot. A small rear yard is at the back (south side) of the building. The property is bordered to the north by Main Street and across Main Street by three story buildings with retail stores on the ground floor and apartments on the upper floors. The property is bordered to the west by a brick building with a clothing store on the ground floor and apartments on the upper floors. The site is bordered to the east by a two-story masonry church building and to the south by a three-story masonry church building.

6. The building is currently heated by a fuel oil supplied furnace located in the basement and a 275-gallon aboveground fuel oil tank is located on the northern basement wall. The tank appeared in good condition. The NYSDEC tank registry indicates that no registered petroleum or chemical bulk storage tanks are located on the Property or adjoining the Property (see Section 5.0 Environmental Records Review). Tanks 1,100 gallons in size or less are not required to be registered.

7. According to a tank closure report by Northeast Environmental Inc., a 1,000-gallon underground fuel oil tank was removed from the property in July, 2013. Upon removal, it was observed that fuel oil had leaked from the tank and impacted the surrounding soils. Impacted soils were screened and excavated for disposal by Northeast Environmental. Based upon sampling results, Northeast Environmental requested that no further remedial work be considered necessary. The NYSDEC agreed with the assessment and closed the spill incident on October 10, 2013. A NYSDEC Spill Incident report is provided in Appendix E.

8. A search of regulatory agency databases was performed as part of this environmental review. The subject Property is not listed on the National Priorities List or the Emergency Response Notification System. The Property does not appear to be subject to any current regulatory enforcement actions by Federal, State, or local regulatory agency.

9. No sites that store, transport or dispose of hazardous waste materials were identified on the subject Property or adjoining properties.

10. Thirty-nine (39) NYSDEC leaking tanks were reported within a 0.25-mile radius from the Property. None of the leaking tanks or spills were adjacent to the subject property. All of the listed NYSDEC spill case numbers within the 0.25-mile radius have been closed, indicating that the spill cases no longer have clean-up requirements or regulatory involvement with the NYSDEC.

11. Tim Miller Associates has reviewed the location and circumstances of the leaking tanks and spill cases, as reported in the database. Given the closed status and locations of the listed leaking tanks and spill incidents, these spills are not expected to have impacted the subject Property.

9.0 OPINIONS

No recognized environmental conditions were identified on the subject property during this Phase I assessment, that have the potential to affect the subject property. This opinion is based on the information collected and reviewed for this report.

10.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 for the Property identified as Tax Map number 1-215-0011, in the City of New Rochelle. New York. Any exceptions to, or deletions from, this practice are described in Section 12.0 of this report. This assessment has revealed that there are no recognized environmental conditions on the Property

11.0 RECOMMENDATIONS

No further environmental investigations of the property are recommended.

12.0 DEVIATIONS & ADDITIONAL SERVICES

There were no deviations from ASTM E 1527-13 included in this report, and no additional services were provided for this Phase I Assessment, with the exception of a visual inspection for Asbestos Containing Material (ACM) and lead based paint (see Section 6.1).

Professional Declaration

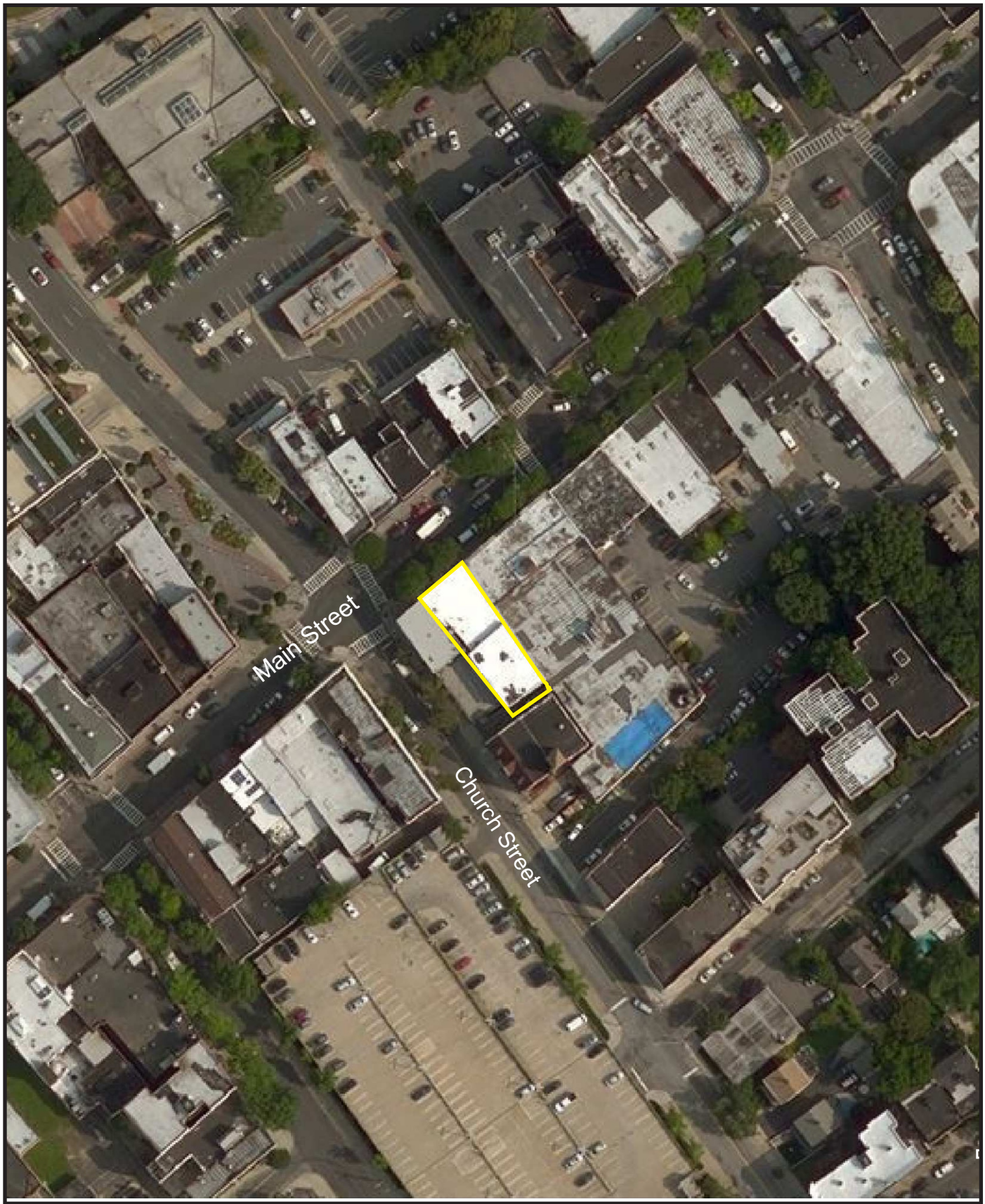
We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312 and;

We have specific qualifications based upon education, training, and experience to assess a property of the nature, history and setting of the property (see Appendix F – Professional Qualifications). We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

PREPARED BY:



Jon P. Dahlgren
Senior Geologist



N
W E
S

0 100 200

Scale (feet)

Figure 1: Location Map
506 Main Street Property
New Rochelle, New York
Source: Bing Maps
Scale: As shown

Tim Miller Associates, Inc.,10 North Street, Cold Spring, New York 10516 (845) 265-4400 Fax (845) 265-4418

PHASE I ENVIRONMENTAL SITE ASSESSMENT

for

500 MAIN STREET
Block 215, Lot 12
New Rochelle, New York

Prepared For:

BRP Development Corporation
767 Third Avenue, 33rd Floor
New York, New York 10017

Prepared By:

Langan Engineering, Environmental, Surveying, and Landscape Architecture, D.P.C.
555 Long Wharf Drive
New Haven, Connecticut 06511

Ryan J. Wohlstrom
Senior Project Manager

Jamie P. Barr, LEP
Senior Associate/Vice President

28 November 2017

Langan Project No. 140169801

LANGAN

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EXECUTIVE SUMMARY

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) was retained by BRP Development Corporation (the "User") to prepare a Phase I Environmental Site Assessment (ESA) for property located at 500 Main Street, New Rochelle, New York (referred to herein as the "Subject Property"). The Subject Property (Block 215, Lot 12) is comprised of an 0.51-acre irregularly shaped lot containing an approximately 20,000-square-foot, two-story commercial building with an asphalt-paved parking area and loading dock. The Subject Property is located within an urban area characterized by multiple-story mixed residential/commercial buildings. A Site Location Map is provided as Figure 1 and photographs showing the Subject Property are provided in Appendix A.

This Phase I ESA was conducted in accordance with the American Society for Testing Materials (ASTM) Practice E1527-13 (Standard Practice for ESA: Phase I ESA Process) and the United States Environmental Protection Agency's (USEPA) All Appropriate Inquiry (AAI) Rule. The objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products as defined in ASTM E1527-13 as a recognized environmental condition (REC) and to satisfy the AAI needed to qualify for the bona fide prospective purchaser liability protections available under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA).

Recognized Environmental Conditions

The Phase I ESA identified the following RECs for the Subject Property:

<u>REC 1 – On-Site Underground Storage Tanks</u>

The following evidence of underground storage tanks (USTs) was identified in connection with the Subject Property:

- According to records provided by the City of New Rochelle Fire Department and observations made during Langan's site reconnaissance, one concrete-vaulted 5,000-gallon No. 2 fuel oil UST has been located within the loading dock area of the Subject Property since at least 1954 (see Figure 2). The UST has reportedly been out-of service since approximately 2012. Tank testing documentation for this tank was not available; therefore, the integrity of the UST is unknown.
- According to records provided by the City of New Rochelle Fire Department, a 1,000-gallon No. 3 fuel oil UST was previously identified at the Subject Property in 1933; however, no information regarding the location or status of the tank was available.

- As evident by historical Sanborn Fire Insurance Maps, a gasoline-powered engine and associated 100-gallon gasoline UST were present at the Subject Property during its use as a meat market and sausage-packing shop from approximately 1887 to 1911; however, the exact location of the tank was not provided.

Although no soil and groundwater sampling or UST removal records were identified as part of this Phase I ESA, the former USTs and overburden material were likely removed across the footprint of the Subject Property to approximately 12 to 14 feet below grade to facilitate the construction of the existing basement in the early 1950s. However, absent environmental sampling data for deeper soils and/or groundwater, the potential for unidentified subsurface impacts associated with historic USTs remains. Based on the known and suspected presence of historic tanks and the lack of any documentation of tank closure or associated environmental sampling, the existing and historical USTs are considered a REC.

REC 2 – Historical Use of Surrounding Property (490-494 Main Street)

The historic use of the property at 490-494 Main Street (located approximately 50 feet northeast and cross-gradient of the Subject Property) poses a potential concern with respect to the Subject Property in connection with its historic use as a carriage factory in the late 1800s. Although Langan was unable to obtain details with respect to the property's former use (i.e., years of operation, type & extent of work performed, etc.), given the length and period of historic operation (when environmental regulatory enforcement was very limited), operational practices may have impacted conditions at the Subject Property that are not presently known to site ownership or regulatory officials. Therefore, potential impacts from historical operations conducted at 490-494 Main Street represent a REC due to the potential for migration of contaminants to impact soil vapor and/or groundwater at the Subject Property.

Historic RECs (HRECs) or Controlled RECs (CRECs) were not identified on the Subject Property or the immediately adjacent properties.

Business Environmental Risks

A Business Environmental Risk (BER) is defined by ASTM 1527-13 as a risk, which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. The following BERs were identified for the Subject Property:

BER 1 – Regional Groundwater Quality

Potential impacts from historical operations conducted at adjacent and nearby properties represent a BER due to the potential for migration of contaminants to impact soil vapor and/or groundwater at the Subject Property. The presence and migration of contaminants may impact future site redevelopment activities such as dewatering, as laboratory analytical results documenting discharge water quality are required for municipal discharge permits. Potable water is provided to the Subject Property and is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

Additional Non-ASTM Issues

The following non-ASTM environmental issues were identified at the Subject Property:

Asbestos, Lead, and PCBs

A limited due diligence hazardous building materials survey to identify asbestos containing materials (ACM), lead-based paint (LBP), and PCBs in building materials was conducted in conjunction to this Phase I ESA and will be reported under separate cover. Based on the age of the building, ACM, LBP, and PCB-containing materials are likely present. Asbestos sampling is required by National Emission Standards for Hazardous Air Pollutants (NESHAP) prior to performing any renovation, demolition, or maintenance work that would disturb the building materials.

Radon

According to the NYSDOH, a total of 134 basements and 18 1st floors have been tested for radon in New Rochelle with results indicating that 9% of basements and 0% of 1st floors have radon concentrations above or equal to 4 pCi/L, but below 20 pCi/L. Based on this data, there is a potential for radon to accumulate in buildings; radon represents an environmental concern.

Mercury Containing Light Ballasts

During Langan's site reconnaissance former mercury containing light ballasts were observed stored on a wooden pallet in the southern portion of the Subject Property building basement. Langan was informed the former light ballasts contain mercury and are stored onsite for future offsite disposal. The mercury containing light ballasts were observed to be intact and in good condition, no broken light ballasts or evidence of broken ballasts was observed. These light ballasts will need to be properly disposed of.

1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) was retained by BRP Development Corporation (the "User") to prepare a Phase I Environmental Site Assessment (ESA) for property located at 500 Main Street, New Rochelle, New York (referred to herein as the "Subject Property"). The Subject Property (Block 215, Lot 12) is comprised of an 0.51-acre irregularly shaped lot containing an approximately 20,000-square-foot, two-story commercial building with an asphalt-paved parking area and loading dock. The Subject Property is located within an urban area characterized by multiple-story mixed residential/commercial buildings. A Site Location Map is provided as Figure 1 and photographs showing the Subject Property are provided in Appendix A.

1.1 Purpose

The purpose of this Phase I ESA is to accomplish the following:

1) Identify Recognized Environmental Conditions (RECs) in connection with the Subject Property, as defined in The Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-13, which states: The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.
2) Satisfy the criteria of United States Environmental Protection Agency (USEPA) 40 Code of Federal Regulations (CFR) Part 312 Subpart C Standards and Practices §312.20 AAI Rule.

1.2 Scope of the ESA

This Phase I ESA was conducted utilizing a standard of good commercial and customary practice that is consistent with American Society for Testing and Materials (ASTM) E1527-13. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-13 are noted in Section 8 of this report. In general, the scope of this assessment consisted of obtaining information from the User; reviewing reasonably ascertainable

information and environmental data relating to the Subject Property; reviewing maps and records maintained by federal, state, and local regulatory agencies; interviewing persons knowledgeable about the Subject Property; and conducting a site inspection. The specific scope of this assessment included the following:

1. A site reconnaissance to characterize conditions and assess the Subject Property's location with respect to adjoining and surrounding property uses and natural surface features. The reconnaissance included the surrounding roads and observations of surrounding properties from public rights-of-way to identify obvious potential environmental conditions on neighboring properties. The site reconnaissance was conducted in a systematic manner focusing on the spatial extent of the Subject Property and then progressing to adjacent and surrounding properties. Photographs taken as part of the site reconnaissance are provided in Appendix A.
2. As per ASTM E1527-13, questionnaires were provided to the user and owner to obtain information related to the Subject Property. Completed questionnaires are provided in Appendix B.
3. A review of available previous environmental reports completed for the Subject Property. Copies of the reports are included as Appendix C.
4. A review of environmental databases maintained by the USEPA, state, and local agencies within the approximate minimum search distance. The environmental database report was provided by Environmental Data Resources, Inc. (EDR), and the report is included in Appendix D.
5. Freedom of Information Act (FOIA) requests were sent to federal, state, and local agencies. Copies of the FOIA responses are included in Appendix E.
6. Available Title and Deed Records provided by the User and the Zoning Map information obtained through the City of New Rochelle Zoning Department are included in Appendices F and G respectively.
7. A review of physical characteristics of the Subject Property through a review of referenced sources for topographic, geologic, soils, and hydrologic data.
8. A review and interpretation of aerial photographs, Sanborn Fire Insurance Maps (Sanborn Maps), historical topographic maps, and city directories to identify previous activities on and in the vicinity of the Subject Property. Copies are included in Appendices H, I, J, and K, respectively.

9. A review of published radon occurrence maps to determine if the Subject Property is in an area with a propensity for elevated radon levels. A USEPA Radon Map for New York is provided in Appendix L.

1.3 Assumptions, Limitations, and Exceptions

This Phase I ESA was prepared for the BRP Development Corporation for the Subject Property at 500 Main Street in New Rochelle, New York. The report is intended to be used in its entirety. Excerpts taken from this report are not necessarily representative of the assessment findings. Langan cannot assume responsibility for use of this report for any property other than the Subject Property addressed herein, or by any other third party without a written authorization from Langan.

Langan's scope of services, which is described in Section 1.2, was limited to that agreed to with the User and no other services beyond those explicitly stated are implied. The services performed and agreed upon for this effort comports to those prescribed in the ASTM Standard E1527-13. Intrusive sampling (i.e. soil borings and groundwater sampling) was not performed as part of this Phase I ESA.

This Phase I ESA was not intended to be a definitive investigation of possible environmental impacts at the Subject Property. The purpose of this investigation was limited to determining if there is reason to suspect the possibility of RECs. It should be understood that even the most comprehensive Phase I ESA may fail to detect environmental liabilities at a particular Subject Property. Therefore, Langan cannot "insure" or "certify" that the Subject Property is free of environmental impacts. No expressed or implied representation or warranty is included or intended in this report, except that our services were performed, within the limits prescribed by our client, with the customary standard of care exercised by professionals performing similar services under similar circumstances within the same jurisdiction.

The conclusions, opinions, and recommendations provided in this report are based solely on the specific activities as required for the performance of ASTM E1527-13 and are intended exclusively for the purpose stated herein, at the specified Subject Property, as it existed at the time of our site visit.

2.0 SITE DESCRIPTION

2.1 Location and Description

The Subject Property is located at 500 Main Street, New Rochelle, New York. The Subject Property (Block 215, Lot 12) is comprised of an 0.51-acre irregularly shaped lot

containing an approximately 20,000-square-foot, two-story commercial building with an asphalt-paved parking area and loading dock. A Site Location Map is provided as Figure 1 and photographs showing the Subject Property are provided in Appendix A.

According to the United States Geological Survey (USGS) Mount Vernon, N.Y. Quadrangle 7.5-minute Series Topographic Map, the Subject Property sits at an elevation of approximately 90 feet above mean sea level (msl). The topography in the immediate area of the Subject Property is generally flat; however, overall topography generally slopes to the east-southeast towards the Long Island Sound. The depth to groundwater is estimated to be 9 to 11 feet below sidewalk grade and, based on local topography, is expected to flow to the east-southeast. According to the City of New Rochelle Zoning Map, the Subject Property is located in the Downtown Business (DB) district.

Based on visual observations of the surrounding area made during the site reconnaissance and a review of historical aerial photographs and maps, the Subject Property is located in an area primarily characterized by mixed commercial, residential, and public use. The following table summarizes adjoining and surrounding property usage:

Direction	Adjoining Properties	Surrounding Properties
North	Main Street followed by mixed-use commercial and residential properties	Mixed-use commercial, residential, and public occupy the remaining surrounding properties
South	The Salvation Army (22 Church Street) followed by mixed-use commercial and residential properties	
East	A mixed-use commercial and residential property (496 Main Street) and asphalt paved parking areas followed by a mixed-use commercial and residential properties	
West	Two mixed-use commercial and residential properties (506 Main Street and 510 Main Street) and the Baptist Church of New Rochelle (12 Church Street) followed by Church Street	

2.2 Description of Subject Property Improvements

The Subject Property (Block 215, Lot 12) is comprised of an 0.51-acre irregularly shaped lot containing an approximately 20,000-square-foot, two-story commercial building with an asphalt-paved parking area and loading dock. The Subject Property is currently

occupied by the New York Covenant Church. Past use of the Subject Property includes commercial retail sales, a roller skating rink, a meat market, a sausage-packing shop, and a masonic lodge. Improvements are summarized in the following table:

SUBJECT PROPERTY IMPROVEMENTS	
Size of the Subject Property	One lot totaling approximately 0.51 acres
Buildings/Spaces/Structures	2-story commercial building (currently occupied by the New York Covenant Church)
Surface Water	There is no surface water on the Subject Property; the nearest surface water body is Ferris Creek (a part of the Long Island Sound), approximately 2,400 to the east
Potable Water Source	United Water
Sanitary and Storm Sewer Utilities	City of New Rochelle
Electrical Utilities	Consolidated Edison Company of New York, Inc.
Construction Completion Date	1954
General Construction Type	The basement level is constructed of a concrete slab and concrete walls. The above grade first and second floors are constructed of brick and mortar walls. The roof is constructed of steel trestles with a flat tar and rubber roof deck.
Heating System Type	Roof-mounted electrical HVAC system
Emergency Power	No emergency power source

2.3 Title Records

A title report dated 30 June 2017 and a deed dated 1 June 2004 were provided by the User. The New York Covenant Church is listed as the owner of the Subject Property since 1 June 2004. No environmental liens were reported for the Subject Property.

3.0 USER PROVIDED INFORMATION

3.1 User Questionnaire

Per ASTM E1527-13, questionnaires were provided to the user to obtain information related to the Subject Property. Information provided in the user and owner

questionnaires is included throughout this report. A copy of the completed questionnaires are provided in Appendix B.

3.2 Previous Environmental Reports

Langan reviewed previous environmental reports that were provided by the User/Owner and pertain to the Subject Property. Copies of those reports are included in Appendix C. The following is a summary of the reports:

Document	Comments
Phase I ESA – 500 Main Street, New Rochelle, New York; by Pure Solutions Corporation; dated 8 December 2003	Pure Solutions Corporation completed a Phase I ESA of the Subject Property in 2003 and identified the following RECs: • A 1,000-gallon underground storage tank (UST) was identified as the City of New Rochelle Fire Department; however, no information regarding the location or status of the tank was available. • A 5,000-gallon vaulted aboveground storage tank (AST) was observed on the Subject Property. Tank testing documentation for this tank was not available; therefore, the integrity of the AST is unknown. Additionally, Pure Solutions Corporation noted the following non-ASTM considerations: • Friable duct insulation was observed within the second floor HVAC room. This friable duct insulation was reportedly encapsulated. • Tile and mastic flooring materials throughout the building were observed to be potentially asbestos containing material (PACM).

4.0 RECORDS REVIEW

4.1 Environmental Records

A copy of regulatory database information was provided by EDR and is included in Appendix D. The EDR report is a listing of sites identified on select federal and state standard source environmental databases within the approximate search radius specified by ASTM Standard Practice for E1527-13. Langan reviewed each environmental database on a record-by-record basis to determine if certain sites identified in the report are suspected to represent a potential impact to the Subject Property. Langan also reviewed "Orphan Sites" listed within the report. Orphan Sites are those sites that could not be mapped due to inadequate address information. Orphan Sites that were identified by Langan within the ASTM search radii, either during the site reconnaissance or by cross-referencing to mapped listings, are addressed in the discussion below. All distances to adjacent properties are measured from the perimeter of the Subject Property.

The following table lists the number of sites by database within the prescribed search radius appearing in the EDR Report.

Database Record Summary			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property listed**	**Number of Sites Within Minimum Search Area**
STANDARD ENVIRONMENTAL RECORDS			
Federal NPL site list	1 Mile Radius	No	0
Federal Delisted NPL site list	½ Mile Radius	No	0
Federal CERCLIS list	½ Mile Radius	No	0
Federal CERCLIS NFRAP site list	½ Mile Radius	No	1
Federal RCRA CORRACTS facilities list	1 Mile Radius	No	1
Federal RCRA non-CORRACTS TSD facilities list	½ Mile Radius	No	0
Federal RCRA generators list	Subject Property and Adjoining Properties	No	1
Federal institutional control/engineering control registries	Subject Property	No	N/A
Federal ERNS list	Subject Property	No	N/A
State and tribal lists of hazardous waste sites identified for investigation or remediation: State- and tribal-equivalent CERCLIS	½ Mile Radius	No	3
State and tribal landfill and/or solid waste disposal site lists	½ Mile Radius	No	1
State and tribal leaking storage tank lists	½ Mile Radius	No	141
State and tribal registered storage tank lists	Subject Property and Adjoining	No	0
State and tribal institutional control/engineering control registries	Subject Property	No	N/A
State and tribal voluntary cleanup sites	½ Mile Radius	No	0
State and tribal Brownfield sites	½ Mile Radius	No	4
ADDITIONAL ENVIRONMENTAL RECORDS			
Records of Emergency Release Reports: NY Spills	1/8 Mile Radius	No	29
Other Ascertainable Records: RCRA NonGen / NLR	1/8 Mile Radius	No	17
Other Ascertainable Records: NY DRYCLEANERS	¼ Mile Radius (N/A)	No	6
Other Ascertainable Records: NY MANIFEST	¼ Mile Radius (N/A)	No	76

Database Record Summary			
Database Reviewed (Date of government version)	**Minimum Search Area**	**Subject Property listed**	**Number of Sites Within Minimum Search Area**
Other Ascertainable Records: NJ MANIFEST	¼ Mile Radius (N/A)	No	16
EDR HIGH RISK HISTORICAL RECORDS			
EDR Exclusive Records: EDR MGP	1 Mile Radius (N/A)	No	1
EDR Exclusive Records: EDR Hist Auto	1/8 Mile Radius (N/A)	No	4
EDR Exclusive Records: EDR Hist Cleaner	1/8 Mile Radius (N/A)	No	10

N/A – Not Applicable; databases with a "Not Applicable" Minimum Search Radius are databases reviewed as part of the Phase I ESA but not required as per ASTM E1527-13.

The Subject Property was not listed in any of the EDR report databases.

A description of the reviewed databases is provided in the EDR Report (Appendix D). A summary of surrounding property database listings and other sites identified within the prescribed search area is presented below.

4.1.1 Standard Environmental Records

Federal CERCLIS NFRAP Site List

The Federal CERCLIS NFRAP site list tracks sites that have no further interest under Federal Superfund Program based on available information. The minimum search distance includes the Subject Property and sites within a ½-mile radius. The Subject Property was not listed; however, one off-site property was identified within the search radius. Based on the distance (more than 2,500 feet) and down-gradient location from the Subject Property, the site is not considered a REC.

Federal RCRA CORRACTS Facilities List

The Federal RCRA CORRACTS facilities list identifies hazardous waste handlers with RCRA corrective action activity. The minimum search distance includes the Subject Property and sites within a 1-mile radius. The Subject Property was not listed; however, one off-site property was identified within the search radius. Based on the

distance (more than 1,800 feet) and down-gradient location from the Subject Property, the site is not considered a REC.

State- and tribal-equivalent CERCLIS

The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. The minimum search distance includes the Subject Property and sites within a ½-mile radius. The Subject Property was not listed; however, three off-site properties were identified within the search radius. Based on the distance (more than 1,300 feet) and down-gradient location from the Subject Property, the sites are not considered RECs.

State and Tribal Landfill and/or Solid Waste Disposal Site Lists

The Solid Waste Facilities/Landfill (SWF/LF) database typically contains an inventory of solid waste disposal facilities or landfills in a particular state. The minimum search distance includes the Subject Property and sites within a ½-mile radius. The Subject Property was not listed; however, one off-site property was identified within the search radius. Based on the distance (more than 2,300 feet) and down-gradient location from the Subject Property, this site is not considered a REC.

State and Tribal Registered and Leaking Storage Tank Lists

The state and tribal registered tank and leaking storage tank databases track records on intact and leaking underground or aboveground storage tanks (USTs/ASTs), and regulated hazardous substances USTs and ASTs.

The minimum search distance for registered storage tank records includes the Subject Property and adjoining properties. The Subject Property and adjoining properties were not listed in any of the databases.

The minimum search distance for leaking storage tank records includes the Subject Property and sites within a ½-mile radius. The Subject Property was not listed; however, 141 off-site properties were identified within the search radius. Based on either the closed status of the listings granted by the New York State Department of Environmental Conservation (NYSDEC) or the distance relative to the Subject Property, these sites are not considered RECs with the exception one listing.

The New Rochelle Public Library at 1 Lawton Street (Site ID: 432304), located approximately 300 feet north and up-gradient of the Subject Property is listed in the

leaking storage tank database due to two tank test failures. The first tank test failure was reported for the site on 15 May 2002 (Spill No. 306611) and was closed on 18 September 2002, and the second tank test failure was reported on 6 March 2014 (Spill No. 1311408) and is listed as open. The tank is reported to contain fuel oil and is of an unknown quantity. The database reports the failure was due to a dry leak. Based on the information provided, the open spill case has very low potential to impact the Subject Property and is not considered a REC

State and Tribal Brownfield Sites

The Brownfields database is a listing of all properties enrolled or previously enrolled in the New York State Brownfields program. The minimum search distance includes the Subject Property and sites within a ½-mile radius. The Subject Property was not listed; however, four off-site properties were identified within the search radius. Based on either the distance (more than 1,300 feet) or down-gradient location from the Subject Property, the sites are not considered RECs.

4.1.2 Additional Environmental Records

Spills Database

The NY Spills database is an inventory of sites where spills have been identified and reported to the NYSDEC. The minimum search distance for the Spills database includes the Subject Property and sites within a $^{1}/_{8}$-mile radius. The Subject Property did not have any listed releases; however, 29 off-site properties had reported releases. Based on either the closed status of the listings granted by the NYSDEC or down-gradient location from the Subject Property, the sites are not considered RECs.

RCRA NonGen/NLR Database

The RCRA NonGen/NLR database includes selective information on sites which no longer generate, transport, store, treat, and/or dispose of hazardous waste as defined by RCRA. The minimum search distance includes the Subject Property and sites within a $^{1}/_{8}$-mile radius. The Subject Property was not listed in the database; however, 17 off-site properties were identified within the search radius. Based on either the nature of the listings (lack of violations and/or spills), distance from the Subject Property (more than 1,000 feet), or down-gradient location from the Subject Property, the sites are not considered RECs.

Drycleaners Database

The Drycleaners database is a listing of all registered dry cleaning facilities. The minimum search distance includes the Subject Property and sites within a ½-mile radius. The Subject Property was not listed in the database; however, six off-site properties were identifed within the search radius. Based on either the nature of the listings (lack of violations and/or spills), closed status of the listings, or distance from the Subject Property (more than 800 feet), the sites are not considered RECs.

Manifest Database

The manifest database tracks hazardous waste shipments from the generator through transporters to a treatment, storage, and disposal (TSD) facility. The minimum distance includes the Subject Property and sites within a ¼-mile radius. The Subject Property was not listed; however, 92 off-site properties were identified within the search radius. Based on the nature of the listings (lack of violations and/or spills), the sites are not considered RECs.

4.1.3 EDR High Risk Historical Records

Manufactured Gas Plant (MGP) Sites Database

The MGP Sites database is a proprietary database that includes records of manufactured coal gas plants compiled by EDR. The minimum search distance includes the Subject Property and sites within a 1-mile radius. The Subject Property was not listed; however, one off-site property was identified within the search radius. Based on the distance (more than 2,300 feet) and down-gradient location from the Subject Property, the site is not considered a REC.

Historical Auto Stations Database

The Historical Auto Stations database is a proprietary database that includes records of historical auto stations compiled by EDR. The minimum search radius for the Historical Auto Stations database is the Subject Property and sites within $^{1}/_{8}$-mile of the Subject Property. The Subject Property was not listed in the database; however, four off-site properties were identified within the search radius. Based on the down-gradient location from the Subject Property, the sites are not considered RECs.

Historical Cleaners Database

The Historical Cleaners database is a proprietary database that includes records of historical cleaners compiled by EDR. The minimum search distance includes the Subject Property and sites within a $^{1}/_{8}$-mile radius. The Subject Property was not listed; however, ten off-site properties were identified within the search radius. Based on the nature of the listings, the sites are not considered RECs.

4.1.4 Local Regulatory Agency Findings

FOIA Requests

FOIA requests were submitted to the following federal, state, and local agencies via written correspondence:

- City of New Rochelle Fire Department (NRFD);
- New York State Department of Health (NYSDOH);
- Westchester County Department of Health (WCDOH)
- New York State Department of Environmental Conservation (NYSDEC); and,
- USEPA, Region 2.

FOIA requests were sent between 27 September and 3 October 2017. The following table summarizes acknowledgement of receipts and responses.

Agency	Acknowledgement of Receipt Date	Response
NRFD	5 October 2017	The City of New Rochelle Fire Department provided the following information: 1. 15 June 1933 - One 1,000-gallon No. 3 fuel oil UST exists at the Subject Property (Site ID: 15133). Location of the UST was not provided. 2. 2 March 1954 - One 5,000-gallon No. 2 fuel oil UST exists at the Subject Property (Permit No.: 1574)
NYSDOH	2 October 2017	No response received as report date.
WCDOH	17 October 2017	No response received as report date.
NYSDEC	23 September 2017	No records exist for the Subject Property.
USEPA Region 2	2 October 2017	"The information that you are seeking is publicly available on EPA's *MyPropertyInfo* online database." – A search of this database produced no documents of relevance to this Phase I ESA report.

Langan's Local Regulatory Agency review revealed the following REC for the Subject Property:

- According to records provided by the City of New Rochelle Fire Department and observations made during Langan's site reconnaissance, one concrete-vaulted 5,000-gallon No. 2 fuel oil UST has been located within the loading dock area of the Subject Property since at least 1954 (see Figure 2). The UST has reportedly been out-of service since approximately 2012. Tank testing documentation for this tank was not available; therefore, the integrity of the UST is unknown.
- According to records provided by the City of New Rochelle Fire Department, a 1,000-gallon No. 3 fuel oil UST was previously identified at the Subject Property in 1933; however, no information regarding the location or status of the tank was available.

Based on the known and suspected presence of historic tanks and the lack of any documentation of tank closure or associated environmental sampling, the existing and historical USTs are considered a REC

Should any future responses alter the conclusions provided within this report, we will issue modified conclusions as an addendum to this report. Copies of the FOIA responses are included in Appendix E.

City of New Rochelle Zoning Department

According to the City of New Rochelle Digital Zoning Map, the Subject Property is located in the Downtown Business (DB) district. The review of the zoning map did not reveal RECs associated with the Subject Property.

4.2 Physical Setting Sources

4.2.1 Topography

According to the United States Geological Survey (USGS) Mount Vernon, N.Y. Quadrangle 7.5-minute Series Topographic Map, the Subject Property sits at an elevation of approximately 90 feet mean sea level (msl). The topography in the immediate area of the Subject Property is generally flat; however, overall topography generally slopes to the east-southeast towards the Long Island Sound.

4.2.2 Geology

Based on a review of the "Surficial Geological Map of New York: Lower Hudson Sheet" dated 1989 and prepared by Donald H. Cadwell, the Subject Property is underlain by glacial till, which is generally variable texture (e.g., clay, silt-clay, boulder clay) and usually poorly sorted with variable clast content. The thickness is variable from 1 to 50 meters.

Based on a review of the "Geologic Map of New York: Lower Hudson Sheet", dated 1970 (reprinted 1995) and prepared by The University of The State of New York, bedrock at the Subject Property is expected to consist of Harrison Gneiss, a biotite-hornblende-quartz-plagioclase gneiss with accessory garnet and sphene, plagioclase.

4.2.3 Hydrology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flows toward areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeologic network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetation cover, and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of artificial fill, and variability in local geology and groundwater sources or sinks. Based on topographical contours

surrounding the Subject Property, groundwater is expected to flow east-southeast towards the Long Island Sound.

4.3 Historical Use Information

Langan reviewed available historic resources (including aerial photographs, Sanborn and topographic maps, and city directories) dated 1887 to 2013. Findings of the reviews are presented below.

4.3.1 Aerial Photographs

Langan reviewed aerial photographs of the Subject Property and surrounding areas for the years 1946, 1951, 1954, 1962, 1966, 1974, 1980, 1985, 1994, 2006, 2009, and 2011.

Beginning in the 1946 aerial, the Subject Property appears developed with at least three commercial size buildings on the northern, central, and southern portions of the Subject Property. Main Street is shown to the north and Church Street is shown to the west-southwest of the Subject Property. Adjoining properties are shown to be developed with commercial sized buildings. The surrounding area is shown as densely developed with a mix of commercial and residential structures. The 1951 aerial photograph shows the Subject Property to contain one large commercial size building on the northern portion of the Subject Property along Main Street. The southern portion of the Subject Property is shown to be used as an asphalt parking area. The adjoining and surrounding properties appear similar to the 1946 aerial photograph. The 1954 aerial photograph shows the Subject Property has been developed to present day conditions with a large commercial building with a small loading dock area on the southern portion of the Subject Property. A large commercial building is now shown adjoining to the west-southwest of the Subject Property along the southern loading dock area. The 1962 through 2011 aerial photographs appear similar to the 1954 aerial photograph

Langan's aerial photograph review revealed that the Subject Property was occupied by one structure that resembles the size and configuration of the present-day structure since as early as 1954. Langan's review of aerial photographs indicate historical site use of the Subject Property has been commercial since at least 1946. Copies of aerial photographs are included in Appendix H.

4.3.2 Sanborn Fire Insurance Maps

Langan reviewed Sanborn Maps for the years 1887, 1892, 1896, 1903, 1911, 1931, 1942, 1951, 1990-1996, and 2003. Sanborn Maps constitute a database of prior site uses of real property for many cities and towns in the United States. Copies of the maps are provided in Appendix I.

1887 Sanborn Map

Subject Property: The Subject Property is shown developed with a large commercial structure on the northwestern portion of the Subject Property labeled Masonic Lodge and Meat Market and Sausage Shop, a small structure labeled as a florist on at the northern corner of the Subject Property, and an unlabeled structure on the southeastern portion of the Subject Property. The large commercial structure on the northwestern portion of the Subject Property is labeled containing two lard kettles, a brick furnace, a wood house, and a gasoline fired engine. The southwestern portion of the Subject Property is shown as unimproved.

Adjacent Properties: The property adjacent to the northeast is labeled as the Prosper LeFevre Carriage Factory. Main Street is shown adjacent to the northwest of the Subject Property followed by multiple commercial properties. The properties adjacent to the south of the Subject Property are shown as residential properties. The adjacent properties to the west are shown containing five small structures labeled as a barber, "China Laundry", and a wood house. Historically, drycleaners and laundry service businesses did not use chlorinated solvents until after 1910; therefore, the "China Laundry" business is not considered a REC.

1892 Sanborn Map

Subject Property: The Subject Property appears similar to the 1887 map with the exception of the northwestern structure is now labeled "Hoffmeister's Corner Meat Market" and the small structure labeled florist is no longer shown.

Adjacent Properties: The adjacent properties appear similar to the 1887 map with the exception of the adjacent properties to the northeast are now shown as a small residential building followed by a large commercial structure labeled a medicine manufacturer and a casino.

1896 Sanborn Map

The Subject Property and adjacent properties in the 1896 map appear similar to the 1892 map.

1903 Sanborn Map

Subject Property: The Subject Property appears similar to the 1896 map with the exception of a small commercial structure labeled jewelry is shown on the northern corner of the Subject Property.

Adjacent Properties: The adjacent properties appear similar to the 1896 map with the exception of the adjacent properties to the northeast are now shown as three small commercial properties consistent with current conditions followed by a larger commercial property.

1911 Sanborn Map

Subject Property: The Subject Property is shown with two additional structures on the southern portion of the Subject Property. One of the additional structures is labeled as "auto no. 1" (likely a private garage) and is labeled as containing a 100-gallon UST. The exact location of the UST is not shown.

Adjacent Properties: The adjacent properties appear similar to the 1903 map with the exception of the adjacent properties to the northeast, west, and southwest are labeled as stores and the New Rochelle Fire Department Engine Company No. 2 is now shown adjacent to the southwest of the Subject Property.

1931 Sanborn Map

Subject Property: The northern portion of the Subject Property appears similar to the 1911 map with the exception of the northern structures are now labeled as stores. The unlabeled structure on the southeastern corner of the Subject Property has been razzed and replaced with two structures labeled as automobile garages with a capacity of ten cars. The remaining portions of the Subject Property appear similar to the 1911 map.

Adjacent Properties: The adjacent properties appear similar to the 1911 map with the exception of the adjacent property to the south is now shown developed with a large commercial building labeled "American Legion Hall."

1942 Sanborn Map

Subject Property: The Subject Property appears similar to the 1931 map with the exception of the structures on the Subject Property are no longer labeled.

Adjacent Properties: The adjacent properties appear similar to the 1931 map with the exception of a majority of the adjacent properties are no longer labeled.

1951 Sanborn Map

Subject Property: The Subject Property is now shown developed with one large commercial property subdivided into six storefronts along Main Street and a small structure labeled an auto garage on the central portion of the Subject Property. The southern portion of the Subject Property is labeled as parking.

Adjacent Properties: The adjacent properties appear similar to the 1951 map with the exception of the western and southwestern adjacent properties are now shown developed with two larger commercial properties consistent with current conditions and the southern adjacent property is now labeled as vacant.

1990 through 2003 Sanborn Maps

Subject Property: The Subject Property is now shown developed with one large commercial property occupying the northern and southern portions of the Subject Property consistent with current conditions. A loading dock is shown on the southwestern portion of the Subject Property along Church Street and an elevator is labeled in the area of the loading dock.

Adjacent Properties: The adjacent properties appear similar to the 1951 map with the exception of the southern adjacent property is labeled as the Salvation Army and the southwestern adjacent property previously labeled a Fire Station is now labeled as a church.

Langan's Sanborn Fire Insurance Map review revealed the following REC for the Subject Property:

- A gasoline-powered engine and associated 100-gallon gasoline UST were present at the Subject Property during its use as a meat market and sausage-packing shop from approximately 1887 to 1911; however, the exact location of the tank was not provided.

Based on the known and suspected presence of the historic tank and the lack of any documentation of tank closure or associated environmental sampling, the historic UST is considered a REC.

Langan's Sanborn Fire Insurance Map review revealed the following off-site RECs in connection with the surrounding properties:

- 490-494 Main Street: Carriage Factory in circa 1887

Potential impacts from historical operations conducted at 490-494 Main Street represent a REC due to the potential for migration of contaminants to impact soil vapor and/or groundwater at the Subject Property.

4.3.3 Historical USGS Topographic Quadrangles

Langan reviewed historical USGS Topographic Quadrangles obtained from EDR for information regarding past uses of the Subject Property. Quadrangle maps were available for the Subject Property for the years 1897, 1898, 1900, 1947, 1956, 1966, 1979, 1995, and 2013. Based on a review of the historic topographic maps, the Subject Property and surrounding areas were developed with an urban grid by 1897. Review of the historical topographic quadrangles did not reveal RECs associated with the Subject Property. Copies of the topographic maps are provided in Appendix J.

4.3.4 City Directories

The City Directory Abstract, obtained from EDR, is a review of available business directories, including city, cross-reference, and telephone directories, at approximately five-year intervals for the years spanning 1972 through 2013. Copies of the City Directory Abstracts are provided in Appendix K.

The following listings were provided for the Subject Property addresses:

<u>500 Main Street</u>

- T. Grant Department Store from 1972 to 1976
- The Rink in 1981
- The Market Place in 1986
- Recreational Equipment Incorporated (REI) from 1992 to 2003
- The New York Covenant Church from 2008 present day

- New Rochelle Emergency Locksmith in 2013

Based on the review of the City Directory Abstract, historic uses of the Subject Property include a church, commercial retail, a skating rink, market, and a locksmith. These historic uses of the Subject Property do not constitute a REC. In addition, various commercial retail businesses, various restaurants, a dentist office, a community center, various offices, and a tattoo parlor have occupied adjoining properties between 1972 and 2013. The historical use of the adjoining properties is not considered a REC.

4.3.5 Title Records, Environmental Liens, and Use Limitations

Reasonably ascertainable recorded land title records and lien records that are filed under federal, tribal, state, or local law should be reviewed to identify environmental liens or activity and use limitations, if any, that are currently recorded against the property. Any environmental liens or activity and use limitations are required to be reported to the Environmental Professional conducting the ESA per ASTM E1527-13.

No environmental liens or activity and use limitations were listed in the title report dated 30 June 2017.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

The site reconnaissance was conducted in a systematic manner focusing on the spatial extent of the Subject Property and then progressing to the adjacent and surrounding properties. The assessment of the adjacent and surrounding properties was limited to identifying, if possible, any indications of past or current use that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products; noting the general type of current use; the general topography of the surrounding area; and providing a general description of adjoining or adjacent structures.

5.1.1 Date and Time of Inspections

Justin Hall, of Langan, completed the site reconnaissance on 20 September 2017 at 10:00 AM. The weather at the time of the inspection was sunny and approximately 60° F. Photographs from the site reconnaissance are included in Appendix A.

5.1.2 General Site Setting and Reconnaissance Observations

The Subject Property (Block 215, Lot 12) is comprised of an 0.51-acre irregularly shaped lot containing an approximately 20,000-square-foot, two-story commercial building with an asphalt-paved parking area and loading dock. The Subject Property has approximately 90 feet of frontage along Main Street and 35 feet of frontage along Church Street. The Subject Property is connected to public water, sewers, gas and electricity.

The Subject Property is located within an urban area characterized by multiple-story mixed residential/commercial buildings. The Subject Property is bound to the west by two mixed-use commercial and residential properties followed by Church Street, to the north by Main Street followed by mixed-use commercial and residential properties, to the east by mixed-use commercial and residential properties, and to the south by The Salvation Army followed by mixed-use commercial and residential properties. The topography of the Subject Property is generally level.

The Subject Property building was observed to be constructed of a concrete slab and walled basement with brick and mortar walls, some metal façade, and flat rubber membrane and metal roof. The onsite building was observed to have roof-mounted HVAC air handling units. Langan was informed the building is heated by the roof-mounted HVAC natural gas and electric heaters. The Subject Property building was historically heated via an oil-fired boiler, which is still located in the basment.

Concrete sidewalks were observed at the main entrance of the Subject Property along Main Street and an asphalt paved parking area, concrete sidewalk, and concrete loading dock were observed at the rear entrance (southwest) along Church Street. A general refuse dumpster was observed on the loading dock. The dumpster was organized and clean and no evidence of releases was observed in the area. A vaulted 5,000-gallon No. 2 fuel oil UST is located below the loading dock. Langan was informed the UST currently contains approximately 1,000 gallons of fuel oil. The UST historically fueled the basement-level boiler, which has been has been out of service for approximately five years; however, all components of the boiler system are still intact. A vent pipe for the UST was observed on the southwestern exterior of the Subject Property building and a pole-mounted transformer was observed on the southwestern boundary of the Subject Property along Church Street. The PCB concentrations were not labeled on this transformer; however, due to the observed age of the transformer it is assumed that it contains less than one part per million PCBs. No staining or evidence of a release was observed around the electrical

transformer on the Subject Property, and the concrete and asphalt paving in this area were observed to be in good condition with no significant cracks.

The basement level of the Subject Property building was observed to be an open floor plan with furniture storage and a hydroponic grow room in the northern portion of the building, and miscellaneous storage, bathrooms, boiler room, sump pit and former ejector pit, storage rooms, and a service elevator in the southern portion of the building. Langan was informed the church employs local homeless individuals to refurbish used furniture in the northern portion of the building's basement. Langan observed storage of miscellaneous cleaning supplies and wood refurbishing materials including paints, stains, varnish, and wax that varied in size from less than one gallon to one ounce (i.e., de minimis quantities). Staining or evidence of leakage or spillage was not observed in the storage area. Langan observed storage of miscellaneous growing chemicals in the hydroponic grow room including pH adjusters, fertilizer, and water that varied in size from less than one gallon to one ounce (i.e., de minimis quantities). Staining or evidence of leakage or spillage was not observed in hydroponic grow room storage area.

Significant water infiltration and pooling was observed within the central portion of the basement area. Langan was informed that a clogged storm water drain on the adjacent 12 Church Street property has caused the infiltration of storm water. Langan observed a small concrete-lined sump and sump pump in the central portion of the basement that collects and pumps infiltrated storm water to a larger sump located in the northeastern portion of the basement. Floor drains were observed throughout the basement floor concrete slab. The discharge location of these floor drains is unknown. No staining or evidence of release was observed in or around the floor drains.

Bathrooms are located along the north interior wall of the basement and were observed to be dilapidated with drop-ceiling components, mirrors, and stall doors and walls destroyed. A large dirt-lined sump pit and former ejector pit were observed in the southeastern portion of the basement. Langan was not informed when the former ejector pit was last used. T. Langan was informed that the sump pump discharges to the City of New Rochelle storm sewer system along with the building's roof drains. No staining or evidence of release was observed in or around the large sump pit.

A boiler room is located on the southeastern corner of the basement. The boiler room contains one coal-fired boiler and one oil-fired boiler. The coal-fired boiler is not connected to any of the building components and the date of its last use is

unknown. The oil –fired boiler is currently out-of-service but was observed to be connected to the fuel oil UST feed line and the buildings heating components. A small dirt filled floor drain was observed in the boiler room. Langan was informed that the discharge location of the floor drain is assumed to be the large dirt-lined sump pit. Minor water staining was observed in the boiler room; however, no petroleum or chemical staining or evidence of release was observed.

The southern portion of the basement was observed to be used for storage of furniture, carpeting, former hot water heaters, paint varying in size from one gallon to five gallons, a small gasoline can, a small propane tank, and former light ballasts. Langan was informed the former light ballasts are mercury-containing and are stored onsite for future offsite disposal. The mercury-containing light ballasts were observed to be intact and in good condition, no broken light ballasts or evidence of broken ballasts was observed. Minor water staining was observed in the southern portion of the basement; however, no petroleum or chemical staining or evidence of release was observed.

Two storage rooms are located on the southwestern portion of the basement that were observed to contain miscellaneous electronic equipment, furniture, and miscellaneous chemical storage; including paint, weed killer, glue, and varnish, varying in size from less than one gallon to one ounce (i.e., de minimis quantities). Staining or evidence of leakage or spillage was not observed in the storage areas. A wall-mounted fuel pump for the vaulted UST was also observed in the basement storage room. Some minor staining along the interior wall was observed behind of the fuel pump; however, no staining on the underlying concrete slab or evidence of release was observed and the concrete slab was observed to be in good condition with no major cracks.

A gearless traction service elevator is located on the southwestern portion of the Subject Property building. The basement level elevator pit was observed to be concrete lined and de minimis staining and debris was observed within it.

The first floor of the building was observed to be an open floor plan with a community-meeting hall and a small kitchenette area on the northern portion of the building, and the church nave and altar with perimeter storage closets, janitorial closet, office areas, and bathrooms on the southern portion of the building. The first floor janitorial closet was observed to contain a mop sink and a floor drain and the storage closets were observed containing miscellaneous cleaning supplies and degreasers that varied in size from less than one gallon to one ounce (i.e., de minimis quantities). Staining or evidence of leakage or spillage was not observed in

the storage areas. A storage closet on the northern portion of the building was observed to contain paint cans and buckets ranging in size from one gallon to five gallons and new and used fluorescent light ballasts. Langan was informed the used light ballasts are disposed of offsite; however, the disposal location was not provided.

The second floor of the building is approximately 9,000-square-feet and limited to the northwestern portion of the building. The second floor contains storage closets, a kitchenette, office areas, a recording studio, and a mechanical room. The mechanical room houses out-of-service air conditioning and air handling units that had been used prior to the installation of the roof-mounted natural gas- and electrical-powered HVAC units. Some staining likely due to emptying of the refrigerant oil from the former air conditioning units was observed on the concrete slab of the mechanical room. A floor drain was observed in the areas of the staining. The discharge location of this floor drain is unknown. Containers of refrigerant oil varying in size from one gallon to half gallon in size were observed in the mechanical room.

The Subject Property building's roof contains the natural gas and electric HVAC unit and the gearless traction service elevator mechanical room. The service elevator mechanical room contains the elevator components including the elevator motor and cable spool. Minor staining was observed around the elevator motor and cable spool. No floor drains were observed in the mechanical room and the staining was observed to be localized below the elevator components.

Pits, Ponds, Lagoons

Pits, ponds, and/or lagoons were not observed.

Pools of Liquid

Pooling of infiltrated storm water was observed in the central portion of the basement level of the Subject Property building. The pooling storm water was observed being pumped to the basement level sump pit where it was then pumped to the City of New Rochelle storm sewer system along Main Street.

Storm Drains, Wells, and Cisterns

Storm drains, wells, or cisterns were not observed.

Polychlorinated Biphenyl (PCB) Transformers and Suspect Equipment

One pole-mounted transformer was observed on the southwestern boundary of the Subject Property along Church Street. The PCB concentrations were not labeled on this transformer; however, due to the observed age of the transformer it is assumed that it contains less than one part per million PCBs. No staining or evidence of a release was observed around the electrical transformer on the Subject Property, and the concrete and asphalt paving in this area were observed to be in good condition with no significant cracks. Fluorescent light ballasts were observed throughout the Subject Property building. Langan was informed the used light ballasts are disposed of offsite; however, the disposal location was not provided. Fluorescent light ballasts manufactured prior to 1979 may contain PCBs.

Storage Containers and Drums

Miscellaneous cleaning supplies, degreasers, paints, mineral oils, weed killer, and glues that varied in size from less than five gallons to one ounce were observed in the storage closets, basement, and janitorial closets at the Subject Property building. Staining or evidence of leakage or spillage was not observed in any of the storage areas, and the floor in these areas was observed to be in good condition with no significant cracks. No drums were observed at the Subject Property.

Air Emissions or Wastewater Discharges

Evidence of air or wastewater discharges were not observed.

Sumps

Two sumps were observed in the basement level of the Subject Property building. A small concrete-lined sump was observed on the central portion of the basement and a large dirt-lined sump, and former ejector pit was observed on the southeastern portion of the basement. No evidence of staining or discoloration was observed in or around the sumps.

USTs or ASTs

One vaulted 5,000-gallon UST was observed on the southwestern portion of the Subject Property within the loading dock area. This UST reportedly contains approximately 1,000-gallons of No. 2 fuel oil for the former oil fired boiler located in the Subject Property building's basement.

Monitoring Wells or Remedial Activities

Monitoring wells were not observed at the Subject Property.

Stained or Discolored Soils

No stained or discolored soil was observed at the Subject Property.

Leachate or Seeps

Leachate or seeps were not observed.

Adjoining and Surrounding Property Uses

A visual reconnaissance of the area surrounding the Subject Property was conducted as part of the Phase I ESA. The purpose of the reconnaissance was to observe general land use in the Subject Property area and confirm the location of the facilities identified on the environmental database search. In general, the Subject Property is located within an urban area characterized by multiple-story mixed residential/commercial buildings.

The adjoining properties include The Salvation Army (22 Church Street) to the south, a mixed-use commercial and residential property (496 Main Street) to the east, two mixed-use commercial properties (506 Main Street and 510 Main Street) and the Baptist Church of New Rochelle (12 Church Street) to the west, and Main Street to the north.

6.0 INTERVIEWS

6.1 Subject Property Owner/Occupant

An Owner/Operator/Site Manager questionnaire was provided to the property owner (New York Covenant Church, c/o David Holder) and Deacon Patrick Williams, a representative of New York Covenant Church, was interviewed as part of the Phase I ESA. The information obtained during the interview and provided in the owner questionnaire is provided in Section 5.0.

6.2 Owners/Tenants of Adjacent Properties

Owners/tenants of adjacent properties were not interviewed as part of this Phase I ESA.

7.0 VAPOR ENCROACHMENT SCREENING

An assessment of vapor intrusion impacts to the Subject Property from on-site or nearby sources was conducted as part of this ESA. Based on the information reviewed during this Phase I ESA, including the suspected presence of contamination originating from on- and off-site sources, the potential for vapor intrusion issues at the Subject Property is moderate.

8.0 ADDITIONAL SERVICES

8.1 Radon

Radon is a colorless, odorless, radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water, which subsequently enters the atmosphere. It can concentrate in buildings, entering through cracks and other penetrations of a building foundation. Some areas are more likely to have elevated concentrations of radon than others, reflecting subsurface lithologic conditions.

The USEPA's "Map of Radon Zones for New York State" indicates that New Rochelle is in a Zone 3 radon risk area, which is associated with a low radon risk potential. Zone 3 risk areas are those where the predicted average indoor screening level is less than 2 picocuries per liter (pCi/L). According to the NYSDOH, a total of 134 basements and 18 1st floors have been tested for radon in New Rochelle with results indicating that 9% of basements and 0% of 1st floors have radon concentrations above or equal to 4 pCi/L, but below 20 pCi/L. Based on this data, there is a potential for radon to accumulate in buildings; radon represents an environmental concern. A USEPA radon map is provided as Appendix L.

8.2 Asbestos-Containing Material, Lead-Based Paint, and PCBs

A formal survey to identify asbestos-containing materials (ACM), lead-based paint (LBP), and PCBs in building materials was not conducted as part of this Phase I ESA. Based on the age of the building, ACM, LBP, and PCB-containing materials are likely present in the Subject Property building materials. Chipping paint was observed in the basement, and suspect PCB-containing materials (i.e., window caulking and fluorescent light ballasts) were observed throughout the Subject Property buildings.

9.0 DEVIATIONS AND DATA GAPS

9.1 Deviations

Langan has performed a Phase I ESA of the Subject Property utilizing a standard of good commercial and customary practice that is consistent with the ASTM E1527-13 and the 40 Code of Federal Regulations (CFR) Part 312 Standards and Practices for AAI. Significant deviations were not made to the above referenced standards.

9.2 Data Gaps

In order to address data gaps, additional sources of information may be consulted. According to ASTM E1527-13, Section 8.3.2.3, "historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for the exclusion."

This Phase I ESA conforms to ASTM with the following deviations noted:

- Interviews of former business operators were not conducted.

Sufficient information has been provided from other data sources to render conclusions regarding the presence of RECs at the Subject Property. As such, these data gaps are not expected to impact the overall conclusions of the Phase I ESA. Should additional information provided at a later date alter the conclusions of this Phase I ESA, we will issue an addendum to this report.

10.0 FINDINGS AND OPINIONS

This Phase I ESA was conducted in accordance with the ASTM Practice E1527-13 (Standard Practice for ESA: Phase I ESA Process) and the USEPA AAI Rule. The objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the Subject Property of hazardous substances or petroleum products as defined in ASTM E1527-13 as a REC.

Recognized Environmental Conditions

The Phase I ESA identified the following RECs for the Subject Property:

REC 1 – On-Site Underground Storage Tanks

The following evidence of underground storage tanks (USTs) was identified in connection with the Subject Property:

- According to records provided by the City of New Rochelle Fire Department and observations made during Langan's site reconnaissance, one concrete-vaulted 5,000-gallon No. 2 fuel oil UST has been located within the loading dock area of the Subject Property since at least 1954 (see Figure 2). The UST has reportedly been out-of service since approximately 2012. Tank testing documentation for this tank was not available; therefore, the integrity of the UST is unknown.
- According to records provided by the City of New Rochelle Fire Department, a 1,000-gallon No. 3 fuel oil UST was previously identified at the Subject Property in 1933; however, no information regarding the location or status of the tank was available.
- As evident by historical Sanborn Fire Insurance Maps, a gasoline-powered engine and associated 100-gallon gasoline UST were present at the Subject Property during its use as a meat market and sausage-packing shop from approximately 1887 to 1911; however, the exact location of the tank was not provided.

Although no soil and groundwater sampling or UST removal records were identified as part of this Phase I ESA, the former USTs and overburden material were likely removed across the footprint of the Subject Property to approximately 12 to 14 feet below grade to facilitate the construction of the existing basement in the early 1950s. However, absent environmental sampling data for deeper soils and/or groundwater, the potential for unidentified subsurface impacts associated with historic USTs remains. Based on the known and suspected presence of historic tanks and the lack of any documentation of tank closure or associated environmental sampling, the existing and historical USTs are considered a REC.

REC 2 – Historical Use of Surrounding Property (490-494 Main Street)

The historic use of the property at 490-494 Main Street (located approximately 50 feet northeast and cross-gradient of the Subject Property) poses a potential concern with respect to the Subject Property in connection with its historic use as a carriage factory in the late 1800s. Although Langan was unable to obtain details with respect to the property's former use (i.e., years of operation, type & extent of work performed, etc.), given the length and period of historic operation (when environmental regulatory enforcement was very limited), operational practices may have impacted conditions at the Subject Property that are not presently known to site ownership or regulatory officials. Therefore, potential impacts from historical operations conducted at 490-494 Main Street represent a REC due to the potential for migration of contaminants to impact soil vapor and/or groundwater at the Subject Property.

Historic RECs (HRECs) or Controlled RECs (CRECs) were not identified on the Subject Property or the immediately adjacent properties.

Business Environmental Risks

A Business Environmental Risk (BER) is defined by ASTM 1527-13 as a risk, which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. The following BERs were identified for the Subject Property:

BER 1 – Regional Groundwater Quality

Potential impacts from historical operations conducted at adjacent and nearby properties represent a BER due to the potential for migration of contaminants to impact soil vapor and/or groundwater at the Subject Property. The presence and migration of contaminants may impact future site redevelopment activities such as dewatering, as laboratory analytical results documenting discharge water quality are required for municipal discharge permits. Potable water is provided to the Subject Property and is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

Additional Non-ASTM Issues

The following non-ASTM environmental issues were identified at the Subject Property:

Asbestos, Lead, and PCBs

A limited due diligence hazardous building materials survey to identify asbestos containing materials (ACM), lead-based paint (LBP), and PCBs in building materials was conducted in conjunction to this Phase I ESA and will be reported under separate cover. Based on the age of the building, ACM, LBP, and PCB-containing materials are likely present. Asbestos sampling is required by National Emission Standards for Hazardous Air Pollutants (NESHAP) prior to performing any renovation, demolition, or maintenance work that would disturb the building materials.

Radon

According to the NYSDOH, a total of 134 basements and 18 1st floors have been tested for radon in New Rochelle with results indicating that 9% of basements and 0% of 1st floors have radon concentrations above or equal to 4 pCi/L, but below 20 pCi/L. Based on this data, there is a potential for radon to accumulate in buildings; radon represents an environmental concern.

Mercury Containing Light Ballasts

During Langan's site reconnaissance former mercury containing light ballasts were observed stored on a wooden pallet in the southern portion of the Subject Property building basement. Langan was informed the former light ballasts contain mercury and are stored onsite for future offsite disposal. The mercury containing light ballasts were observed to be intact and in good condition, no broken light ballasts or evidence of broken ballasts was observed. These light ballasts will need to be properly disposed of

11.0 REFERENCES

The following references were reviewed as part of this Phase I ESA:

1. Environmental Data Resources, Inc., Inquiry Number: 5049948.9, September 14, 2017. Aerial Photo Decade Package.
2. Environmental Data Resources, Inc., Inquiry Number: 5049948.5, September 14, 2017. City Directory Abstract.
3. Environmental Data Resources, Inc., Inquiry Number: 5049948.4, September 14, 2017. Historical Topo Map Report.
4. Environmental Data Resources, Inc., Inquiry Number: 5049948.2s, September 14, 2017. Radius Map™ Report with GeoCheck®.
5. Environmental Data Resources, Inc., Inquiry Number: 5049948.3, September 14, 2017. Certified Sanborn® Map Report.
6. NEW YORK – EPA Map of Radon Zones.
7. "Surficial Geological Map of New York: Lower Hudson Sheet", Donald H. Cadwell (1989).
8. "Geologic Map of New York: Lower Hudson Sheet", University of the State of New York, 1970 (reprinted 1995).
9. City of New Rochelle GIS Data Viewer: http://www.arcgis.com/home/item.html?id=d8c265bc485b4765a3afd9f40851c085
10. City of New Rochelle Assessment Department, Electronic Property Portal database: https://www.epropertyportal.com/

12.0 STATEMENT OF QUALIFICATIONS AND SIGNATURE

Langan declares that, to the best of its professional knowledge and belief, the personnel who performed this Phase I ESA meet the definition of Environmental Professional as defined in Subsection 312 10 of 40 CFR 312 and that they have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. They have developed and performed the AAIs in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes outlining the qualifications of the Environmental Professionals who performed this Phase I ESA are provided in Appendix M.

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

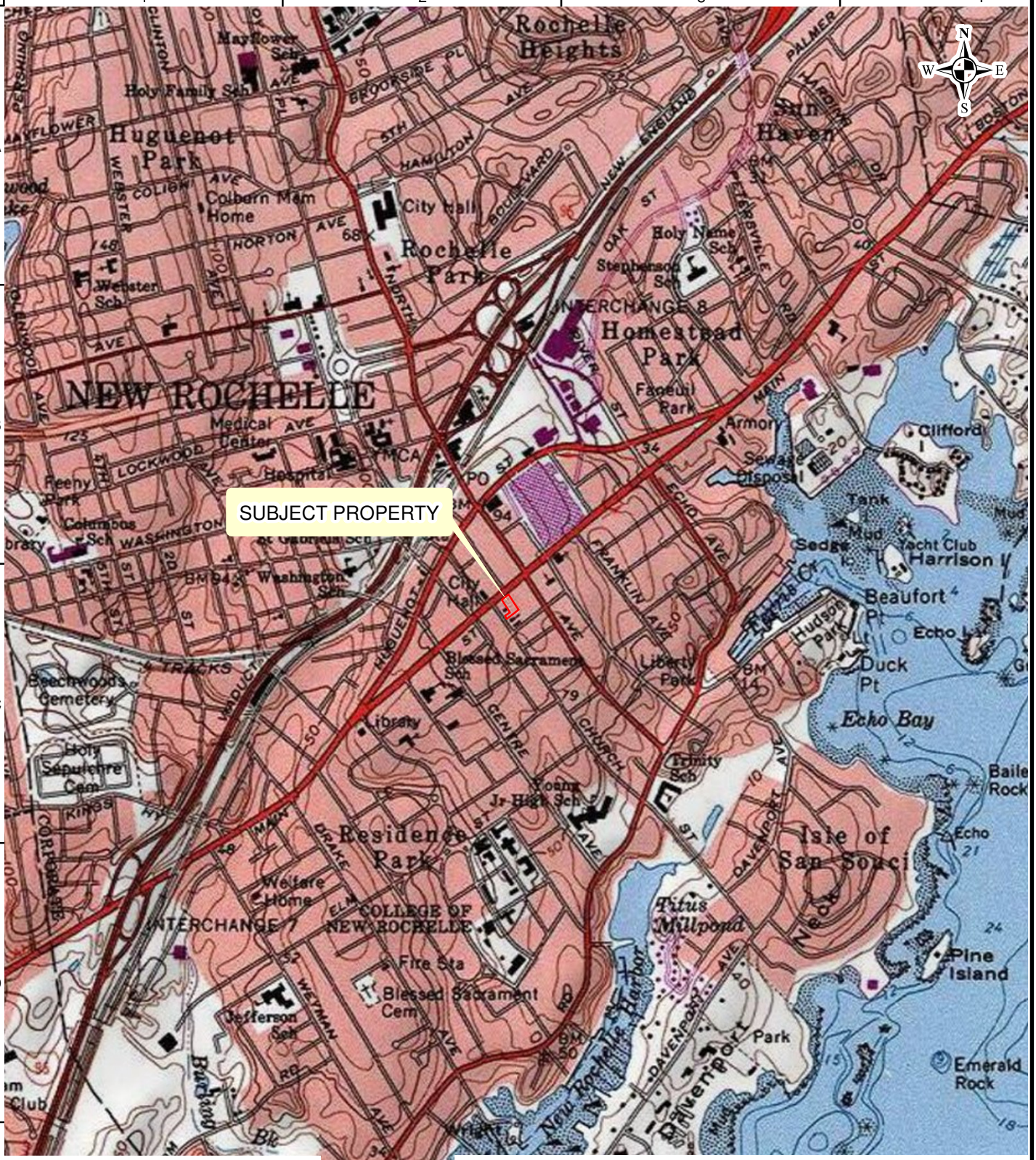


Ryan J. Wohlstrom
Project Engineer



Jamie P. Barr, LEP
Senior Associate/Vice President

FIGURES



Notes:
Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online © 2011 National Geographic Society, i-cubed.

LANGAN
555 Long Wharf Drive
New Haven, CT 06511-6107
T: 203.562.5771 F: 203.789.6142 www.langan.com

Langan Engineering & Environmental Services, Inc.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan International LLC

Collectively known as Langan

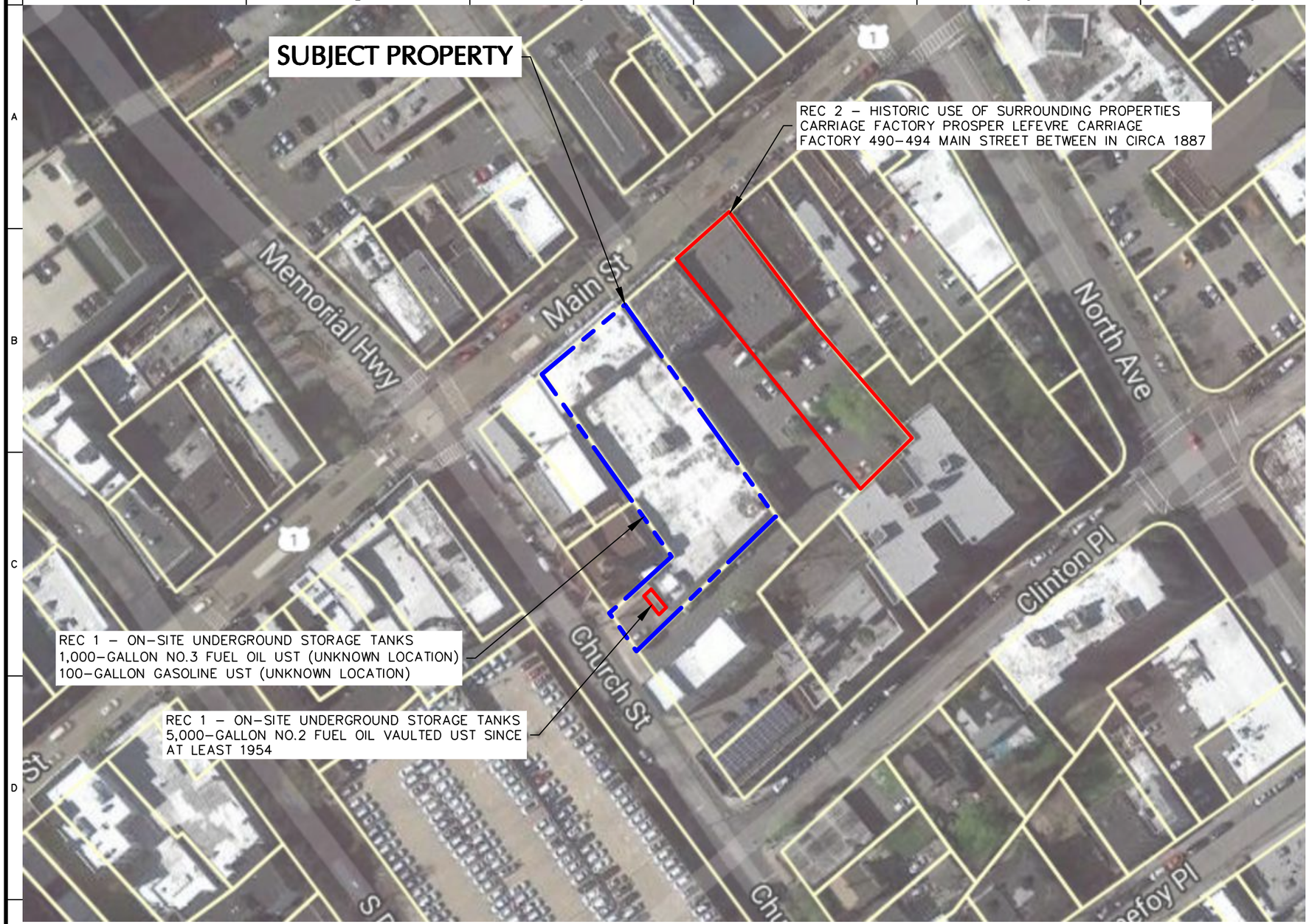
Project
500 MAIN STREET
BLOCK No. 215, LOT No. 12
NEW ROCHELLE
WESTCHESTER COUNTY NEW YORK

Drawing Title
SITE LOCATION MAP

Project No. 140169801	Figure 1
Date OCTOBER 2017	
Scale 1"=2,000'	
Drawn By JPH	
Submission Date OCTOBER 2017	Sheet 1 of 2

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Path: \\langan.com\data\NHV\data8\140169801\Project Data\ArcGIS\APRX\Figure 1 USGS Site Location Map.mxd Date: 10/5/2017 User: jhall Time: 6:12:14 PM



LEGEND

- SUBJECT PROPERTY BOUNDARY
- REC LOCATION

NOTES

1. BASE MAP WAS TAKEN FROM EDR LIGHTBOX APPLICATION. MAP IMAGERY REFERENCED FROM GOOGLE IMAGERY AND PROPERTY BOUNDARY DETAILS WERE REFERENCED FROM BLUE SKY DIGITAL, NEW YORK GIS.
2. REC = RECOGNIZED ENVIRONMENTAL CONDITION
3. UST = UNDERGROUND STORAGE TANK

100 0 50 100

SCALE IN FEET

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

LANGAN
555 Long Wharf Drive
New Haven, CT 06511
T: 203.562.5771 F: 203.789.6142 www.langan.com
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. S.A.
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project
500 MAIN STREET
BLOCK No. 215, LOT No.12
NEW ROCHELLE
WESTCHESTER COUNTY NEW YORK

Drawing Title
REC LOCATION MAP

Project No. 140169801	Drawing No. 2
Date NOVEMBER 2017	
Scale 1"=100'	
Drawn By JPH / Checked By RJW	
Submission Date NOVEMBER 2017	Sheet 2 of 2

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Filename: \\langan.com\data\NHV\data8\140169801\Project Data\CAD\01\2D-DesignFiles\Phase I ESA\Phase I ESA - Figure 2.dwg Date: 11/20/2017 Time: 11:01 User: jhall Style Table: Langan.stb Layout: ANSIB-BL