



**Phase II Environmental Site Assessment Report**

**FOR**

**Proposed Development  
1 Water Street  
White Plains, Westchester County, New York**

**Prepared For:**

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## LIST OF ACRONYMS

Acronym	Definition
AWQS	Class GA Ambient Water Quality Standards and Guidance Values
COC	Chain of Custody
ELAP	Environmental laboratory Accreditation Program
EM	Electromagnetic
ESA	Environmental Site Assessment
ft-bgs	feet below ground surface
GPR	Ground Penetrating Radar
MSL	Mean Sea Level
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyls
PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctanic Acid
PFOS	Perfluorooctanesulfonic Acid
PID	Photoionization Detector
RRSCO	Restricted Residential Soil Cleanup Objective
SESI	SESI Consulting Engineers, DPC
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene
TCL	Target Compound List
TOGS	Technical and Operational Guidance Series 1.1.1

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<b>Acronym</b>	<b>Definition</b>
USCO	Unrestricted Use Soil Cleanup Objective
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

## 1.0 INTRODUCTION

SESI Consulting Engineers (SESI) has conducted this Phase II Environmental Site Assessment (Phase II ESA) on behalf of the Requestor, 1 Water Street L.L.C. c/o Veris Residential, Inc, for the property located at 1 Water Street, White Plains, New York (“Site”). The Site is currently vacant land, which was most recently occupied by a four-story concrete and glass office building recently razed. A Site Location map is presented as **Figure 1.1**.

This Phase II Site investigation report complies with the 2015 and the pending 2021 American Society for Testing and Materials Standards (ASTM E1903) and the New York State Department of Environmental Conservation (NYSDEC) Guidance Document for Site Investigations DER-10.

## 1.1 SITE SETTING

The subject property consists of a vacant 0.95-acre portion of a parcel identified as Section/Block/Lot 125.66-2.1 on the Westchester County tax records and a 0.28-acre portion of parcel identified as Section/Block/Lot 125.66-2.2 (formerly a portion of North Lexington Avenue) for a collective 1.23-acre site (hereinafter the “Site”). The Site is bounded to the north by a public parking lot and Hillside Terrace beyond; to the east by a public parking lot; to the south by Water Street, a City of White Plains bus terminal, and a parking garage beyond; and to the west by Ferris Avenue, the White Plains Fire Station and a municipal building. The nearest surface water body is the Kensico Reservoir located approximately 2.65 miles northeast of the Site.

According to a site survey titled “Proposed 1 Water Street Project Site,” prepared by Divney Tung Schwalbe, LLP dated August 16, 2019, a 0.29-acre section of the former Lot 125.66-2.1 was transferred to the White Plains Urban Renewal Agency, and a 0.28-acre portion of the eastern adjacent parking lot (Lot 2B) is proposed to be transferred from the White Plains Urban Renewal Agency. The proposed site is approximately 1.23 acres in size. The proposed Site boundary and development plans are proved in **Appendix A**.

## 1.2 SITE HISTORY

Most recently, the Site was improved with a four-story commercial office building that was reportedly built in the early 1980s and contains a footprint of approximately 11,500 square feet, which yields a total floor area of approximately 46,000 square feet. The building was razed in 2021. Review of historical Sanborn maps identified the Site historical uses included single-family dwellings on the northern portion of the Site in 1889. From 1894 to 1900 there is also a wagon storage, sheds, a carport, and a dwelling on the southern portion of the Site. In 1905 a previously

existing and unlabeled building in the central portion of the Site is labeled G.F. Coombs House Mover. In 1911 a blacksmith is depicted on the southwestern portion of the Site and an auto shed on the southeastern portion of the Site. In 1930 there are two residential apartment buildings (Flats), the blacksmith has been razed, the structure on the southern portion of the Site is labeled Old Machines, and a new structure labeled BL SM Wheelwright appears. In 1950 most of the structures in the southern portion of the Site were razed, along with the former Wheelwright and machine storage. From 1987 to 2004 the Site is depicted with the former commercial office building.

## 2.0 SUBSURFACE INVESTIGATION

SESI conducted a Phase II ESA in order to evaluate subsurface conditions and to possibly determine the location of potential underground storage tanks (USTs). The Phase II ESA included the installation of soil borings and soil sampling, installation of temporary groundwater monitoring wells and collection of groundwater samples, and installation and sampling of soil vapor points. This Phase II ESA also includes a summary of environmental soil sampling conducted in February 2018, and soil, soil vapor and groundwater sampling conducted in June 2021 and June 2022.

### 2.1 UTILITY CLEARANCE AND GEOPHYSICAL SURVEY

Prior to conducting subsurface drilling, SESI's drilling contractor contacted New York's utility mark-out system. In addition, SESI retained Coastal Environmental Solutions (Coastal), a private utility locator, to locate underground utilities not included in the one-call and to conduct a geophysical survey using ground penetrating radar (GPR) and electromagnetic (EM) detection. The GPR/EM surveying was performed on June 8, 2022, to clear soil boring locations, as well as to search for a potential UST(s). No anomalies consistent with USTs were identified. The GPR report is provided in **Appendix B**.

### 2.2 SITE INVESTIGATION

On June 8 and June 9, 2022, nine (9) direct push borings were advanced using a Geoprobe 6620 DT sampling rig on the Site where historical operations are suspected to have occurred. A total of 18 soil samples were collected at a frequency of two (2) samples per boring. Furthermore, three (3) groundwater samples, three (3) sub-slab/soil vapor samples and one (1) ambient air sample were collected. All samples were transported under chain of custody (COC) to SGS, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory.

Soil and groundwater samples were analyzed for Target Compound List (TCL)/Target Analyte List (TAL) +30 list including volatile organic compounds (VOCs) by EPA Method 8260, semi-VOCs (SVOCs) by EPA Method 8270, TAL metals, polychlorinated biphenyls (PCBs) by EPA Method 8082A, and pesticides by EPA Method 8081, in addition to cyanide. Additionally, groundwater samples were analyzed for per and polyfluoroalkyl substances (PFAS) by EPA Modified Method 537 and 1,4 dioxane by EPA Method 8270D SIM. Soil vapor samples and the ambient air sample were analyzed for VOCs in accordance with EPA Method TO-15. For quality



assurance/quality control purposes, a trip blank was sent with the collected samples for laboratory analysis daily and analyzed for VOCs.

Soil conditions within the borings consisted of fill, encountered below the surface materials, at depths ranging from 5 to 11± feet below the ground surface (ft-bgs). The fill typically consisted of brown coarse to fine sand with varying amounts of silt and gravel, with concrete, brick, ash, cinders, asphalt, and wood. Natural soil was encountered below the fill, consisting primarily of a brown coarse to fine sand with varying amounts of silt and gravel. Groundwater was encountered at approximately 11 to greater than 15 ft-bgs across the Site.

The soil samples were screened using a photoionization detector (PID), and visual and olfactory evidence of contamination. Soil samples were collected from each boring from the interval that exhibited the greatest evidence of impacts or based upon professional judgement if no impacts were observed. All soil samples were named based on their respective soil boring number and specified depth. Petroleum-stained soil and elevated PID readings were observed in borings SB-17 (20 ppm at 4-5 ft-bgs) and SB-20 (16.7 ppm at 10-11 ft-bgs). PID readings and detailed soil descriptions are provided in the boring logs presented in **Appendix C**.

**Table 2.1** below presents a summary of the borings conducted and the samples collected.

**Table 2.1: Summary of Sample Collection**

Boring ID	Boring Depth (ft)	Sample ID	Sample Depth (ft)	Sample Matrix	Analysis
SB-16	20	SB-16 (3-3.5)	3-3.5	Soil	TCL+30/TAL
		SB-16 (12-12.5)	7-7.5	Soil	TCL+30/TAL
SB-17	20	SB-17 (4.5-5)	1.5-2	Soil	TCL+30/TAL
		SB-17 (12-12.5)	8-8.5	Soil	TCL+30/TAL
SB-18	20	SB-18 (3-3.5)	3-3.5	Soil	TCL+30/TAL
		SB-18 (10-10.5)	10-10.5	Soil	TCL+30/TAL
SB-19	20	SB-19 (3-3.5)	3-3.5	Soil	TCL+30/TAL
		SB-19 (11-11.5)	11-11.5	Soil	TCL+30/TAL
SB-20	20	SB-20 (4-4.5)	1.5-2	Soil	TCL+30/TAL
		SB-20 (10-10.5)	3.5-4	Soil	TCL+30/TAL
SB-21	20	SB-21 (3.5-4)	3-3.5	Soil	TCL+30/TAL
		SB-21 (13-13.5)	13-13.5	Soil	TCL+30/TAL
SB-22	15	SB-22 (4-4.5)	4-4.5	Soil	TCL+30/TAL
		SB-22 (11-11.5)	11-11.5	Soil	TCL+30/TAL
SB-23	20	sb-23 (4-4.5)	4-4.5	Soil	TCL+30/TAL
		SB-23 (11-11.5)	11-11.5	Soil	TCL+30/TAL
SB-24	20	SB-24 (2-2.5)	2-2.5	Soil	TCL+30/TAL
		SB-24 (10-10.5)	10-10.5	Soil	TCL+30/TAL
GW-4	20	GW-4	NA	Groundwater	TCL+30/TAL, PFAS, 1-4 dioxane
GW-5	20	GW-5	NA	Groundwater	TCL+30/TAL, PFAS, 1-4 dioxane
GW-6	20	GW-6	NA	Groundwater	TCL+30/TAL, PFAS, 1-4 dioxane
SV-1	5	SV-1	5	Soil Vapor	VOCs
SV-2	5	SV-2	5	Soil Vapor	VOCs
SV-3	5	SV-3	5	Soil Vapor	VOCs
AA-1	NA	AA-1	NA	Ambient Air	VOCs

### 3.0 ANALYTICAL RESULTS

#### 3.1 SOIL INVESTIGATION RESULTS

In total, 18 soil samples were collected from nine (9) borings in June 2022 as listed in **Table 2.1** above. The soil samples were sent to SGS laboratories under a Chain of Custody for the analysis of the TCL/TAL+30 suite of parameters, which include VOCs by EPA Method 8260C, SVOCs by EPA Method 8270D, TAL metals by EPA Method 6010C/7471, PCBs by EPA Method 8082A, pesticides by EPA Method 8081B, and cyanide by EPA Method 9082.

A summary table of the analytical results for samples collected in June 2022 compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (USCOs), Restricted Residential Cleanup Objectives (RRSCOs), and the latest NYSDEC Soil Screening Levels for emerging contaminants (NYSDEC Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs) is presented in **Table 3.1**. A summary of the samples exceeding the soil cleanup objectives (SCOs) is presented on **Table 3.2A** (February 2018), **Table 3.2B** (June 2021), and **Table 3.2C** (June 2022) below and on **Figure 3.1**. The laboratory analytical data for soil sampling in June 2022 is provided in **Appendix D**.

Based upon results of soil sampling conducted Site-wide from February 2018 to June 2022, overall the greatest impacts of metals and SVOCs were identified in the southern and western areas of the Site extending to the central area of the Site beneath the former building to maximum depths of 12 ft-bgs. SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene were detected at concentrations greater than their respective RRSCO to depths up to 11.5 ft-bgs.

Metals including arsenic, copper, chromium, lead, zinc, nickel, and mercury were detected at concentrations greater than their respective USCOs from grade to depths of 13.5 ft-bgs. Arsenic was detected at concentrations exceeding the RRSCO to depth of 12 ft -bgs. Lead was identified at concentration exceeding the RRSCO to depths of 5 ft-bgs.

The pesticides 4,4'-DDD, 4,4'-DDE and 4,4'-DDT were detected at concentrations greater than their respective USCOs to a depth of 13.5 ft-bgs. The VOC acetone was detected at concentrations above its USCO to depths up to 13.5 ft-bgs.

**Table 3.2A: Summary of Soil Sample Exceedances (2018 Data)**

Client Sample ID:	USCO	RRSCO	B-2 (2')	B-6 (5')	B-7 (4')	B-8 (5')
Lab Sample ID:			460-	460-150941-2	460-150941-3	460-150941-4
Date Sampled:			2/26/2018	2/26/2018	2/26/2018	2/26/2018
Matrix:			Soil	Soil	Soil	Soil
<b>MS Volatiles (SW846)</b>						
Acetone	0.05	100	0.067	0.11	0.14	0.074
<b>MS Semi-volatiles</b>						
Benzo(a)anthracene	1	1	1.1	0.78	1.1	0.25
Benzo(a)pyrene	1	1	1.1	0.77	0.99	0.23
Benzo(b)fluoranthene	1	1	1.6	0.97	1.4	0.33
Chrysene	1	3.9	1.3	0.85	1.3	0.28 J
<b>GC/LC Semi-volatiles</b>						
4,4'-DDD	0.003	13	ND	ND (0.0013)	0.0052 J	0.0045 J
<b>Metals Analysis</b>						
Copper	50	270	52.8	32.1	45.9	40.3
Lead	63	400	482	256	583	165
Mercury	0.18	0.81	0.31	0.38	0.71	0.11
Zinc	109	10000	246	157	256	128

Notes:

- Compound Exceeds the USCO
- Compound Exceeds the RRSCO

All units in Mg/kg = Milligrams per kilogram  
 ND = Compound not detected  
 J = Concentration Estimated

**Table 3.2B: Summary of Soil Sample Exceedances (2021 Data)**

Client Sample ID:	USCO	RRSCO	SB-1 (3-5)	SB-2 (1-3)	SB-3 (3-5)	SB-4 (2-4)	SB-6 (7-9)
Lab Sample ID:			JD26986-3	JD26986-5	JD26986-7	JD27065-3	JD27065-8
Date Sampled:			6/21/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021
Matrix:			Soil	Soil	Soil	Soil	Soil
<b>GC/LC Semi-volatiles</b>							
4,4'-DDT	0.003	7.9	0.0031	<b>0.0106</b>	<b>0.0085</b>	<b>0.0041</b>	<b>0.0043</b>
<b>Metals Analysis</b>							
Lead	63	400	<b>88.5</b>	<b>89.5</b>	<b>65.1</b>	<b>66</b>	38.4

Client Sample ID:	USCO	RRSCO	SB-7 (3-5)	SB-7 (12-14)	SB-8 (2-4)	SB-9 (3-5)	SB-9 (10-12)
Lab Sample ID:			JD27065-9	JD27065-10	JD27065-11	JD26986-9	JD26986-10
Date Sampled:			6/22/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021
Matrix:			Soil	Soil	Soil	Soil	Soil
<b>MS Volatiles (SW846)</b>							
Acetone	0.05	100	0.0095 J	<b>0.0581</b>	0.0165	<b>0.107</b>	<b>0.0912</b>
<b>MS Semi-volatiles</b>							
Benzo(a)anthracene	1	1	0.565	ND (0.012)	<b>1.9</b>	0.969	0.416
Benzo(a)pyrene	1	1	0.454	ND (0.019)	<b>1.66</b>	0.958	0.415
Benzo(b)fluoranthene	1	1	0.586	ND (0.018)	<b>1.81</b>	<b>1.2</b>	0.556
Chrysene	1	3.9	0.582	ND (0.013)	<b>2.55</b>	<b>1.21</b>	0.475
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.351	ND (0.020)	<b>1.02</b>	<b>0.575</b>	0.262
<b>Metals Analysis</b>							
Arsenic	13	16	<2.3	<2.5	<2.3	4.2	<b>17.4</b>
Chromium	30	180	16.1	16.9	15.9	24	<b>48.5</b>
Copper	50	270	19.9	13.7	11.3	27.2	45.7
Lead	63	400	43.4	4.1	15.8	<b>250</b>	<b>246</b>
Mercury	0.18	0.81	0.048	<0.035	<0.030	0.14	<b>0.23</b>
Nickel	30	310	<b>75.5</b>	14.8	11.3	17.9	21.7
Zinc	109	10000	51.2	51.1	26	<b>149</b>	<b>178</b>

Client Sample ID:	USCO	RRSCO	SB-10 (2-4)	SB-11(3-5)	SB-11(11-13)	SB-12 (3-5)	SB-13(6-8)
Lab Sample ID:			JD26986-11	JD26986-13	JD26986-14	JD27065-13	JD26986-15
Date Sampled:			6/21/2021	6/21/2021	6/21/2021	6/22/2021	6/21/2021
Matrix:			Soil	Soil	Soil	Soil	Soil
<b>MS Volatiles (SW846)</b>							
Acetone	0.05	100	0.0066 J	0.0252	<b>0.0831</b>	<b>0.0625</b>	<b>0.138</b>
<b>GC/LC Semi-volatiles</b>							
4,4'-DDD	0.003	13	0.0023	<b>0.0174</b>	ND (0.00074)	<b>0.0064</b>	0.0023
4,4'-DDE	0.003	8.9	ND (0.00062)	<b>0.0068</b>	ND (0.00070)	0.0022	ND (0.00071)
4,4'-DDT	0.003	7.9	0.0014 <sup>f</sup>	<b>0.0034</b>	ND (0.00071)	<b>0.0043</b>	<b>0.0071</b>
<b>Metals Analysis</b>							
Arsenic	13	16	<b>14.4</b>	5.1	<2.6	5.3	6.3
Chromium	30	180	20.6	26.4	22.5	<b>33.2</b>	22
Copper	50	270	<b>82.6</b>	<b>58.6</b>	13.7	<b>65.3</b>	<b>54.1</b>
Lead	63	400	<b>283</b>	<b>417</b>	10.5	<b>184</b>	<b>343</b>
Mercury	0.18	0.81	0.15	0.098	0.042	<b>0.37</b>	<b>0.33</b>
Zinc	109	10000	<b>176</b>	<b>241</b>	51.9	<b>115</b>	<b>279</b>

Client Sample ID:	USCO	RRSCO	SB-14 (3-5)	SB-14 (10-12)	SB-15 (2-4)
Lab Sample			JD27065-15	JD27065-16	JD27065-17
Date			6/22/2021	6/22/2021	6/22/2021
Matrix:			Soil	Soil	Soil
<b>MS Volatiles</b>					
Acetone	0.05	100	0.0064 J	<b>0.0633</b>	<b>0.157</b>
<b>GC/LC Semi-</b>					
4,4'-DDT	0.0033	7.9	<b>0.005</b>	ND (0.00081)	<b>0.0037</b>
<b>Metals</b>					
Lead	63	400	60.2	9.2	<b>127</b>

Notes:

- Compound Exceeds the USCO
- Compound Exceeds the RRSCO

All units in Mg/kg = Milligrams per kilogram  
 ND = Compound not detected  
 J = Concentration Estimated

Table 3.2C: Summary of Soil Sample Exceedances (2022 Data)

Client Sample ID:	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-16 (3-3.5)	SB-16 (12-12.5)	SB-17 (4.5-5)	SB-17 (12-12.5)	SB-18 (3-3.5)
Lab Sample ID:			JD46262-1	JD46262-2	JD46262-3	JD46262-4	JD46262-5
Date Sampled:			6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022
Matrix:			Soil	Soil	Soil	Soil	Soil
<b>GC/LC Semi-volatiles</b>							
4,4'-DDD	0.0033	13	0.0011	ND (0.00063)	0.0148	B 0.0016	0.00091
4,4'-DDE	0.0033	8.9	0.0016	ND (0.00063)	0.0073	ND (0.00081)	0.00073
4,4'-DDT	0.0033	7.9	0.0083	B 0.0131	B 0.019	B 0.0087	B 0.006
<b>Metals Analysis</b>							
Chromium	30	180	16	9.8	18.8	32.9	16.1
Copper	50	270	21.3	9.5	58.9	27.9	21.1
Lead	63	400	18	2.9	777	7.2	54.9
Mercury	0.18	0.81	<0.031	<0.032	0.64	<0.039	0.059
Nickel	30	310	12.2	9	17.2	29	11.8
Silver	2	180	<0.54	<0.52	0.78	<1.3	<0.53
Zinc	109	10000	38.7	23.1	318	66.6	69.1

Client Sample ID:	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-18 (10-10.5)	SB-19 (3.5-4)	SB-19 (11-11.5)	SB-20 (4-4.5)	SB-20 (10-10.5)
Lab Sample ID:			JD46262-6	JD46262-7	JD46262-8	JD46262-9	JD46262-10
Date Sampled:			6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022
Matrix:			Soil	Soil	Soil	Soil	Soil
<b>GC/LC Semi-volatiles (SW846 8081B)</b>							
4,4'-DDT	0.0033	7.9	0.0128	B 0.008	B 0.0051	B 0.0088	B 0.0092

Client Sample ID:	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-21 (3.5-4)	SB-21 (13-13.5)	SB-22 (4-4.5)	SB-22 (11-11.5)	SB-23(4-4.5)
Lab Sample ID:			JD46262-11	JD46262-12	JD46262-13	JD46262-14	JD46495-4
Date Sampled:			6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/9/2022
Matrix:			Soil	Soil	Soil	Soil	Soil
<b>MS Volatiles (SW846 8260D)</b>							
Acetone	0.05	100	ND (0.0096)	0.116	0.0519	0.32	0.0113
<b>MS Semi-volatiles (SW846 8270E)</b>							
Benzo(a)anthracene	1	1	0.148	0.12	0.25	1.67	0.11
Benzo(a)pyrene	1	1	0.139	0.112	0.293	1.2	0.131
Benzo(b)fluoranthene	1	1	0.144	0.139	0.364	1.35	0.181
Chrysene	1	3.9	0.143	0.122	0.278	1.51	0.121
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.109	0.0976	0.254	0.705	0.118
<b>GC/LC Semi-volatiles (SW846 8081B)</b>							
4,4'-DDD	0.0033	13	0.0012	0.0035	B 0.0024	0.0025	B ND (0.00066)
4,4'-DDE	0.0033	8.9	0.00086	ND (0.00083)	0.0012	0.0013	ND (0.00066)
4,4'-DDT	0.0033	7.9	0.0117	B 0.0099	B 0.0073	B 0.0099	B 0.0161
<b>Metals Analysis</b>							
Lead	63	400	13.5	365	190	134	188
Mercury	0.18	0.81	<0.035	0.21	0.19	0.29	0.31
Zinc	109	10000	38.6	234	136	129	107

Client Sample ID:	NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-23(11-11.5)	SB-24(2-2.5)	SB-24(10-10.5)
Lab Sample ID:			JD46495-5	JD46495-6	JD46495-7
Date Sampled:			6/9/2022	6/9/2022	6/9/2022
Matrix:			Soil	Soil	Soil
<b>MS Volatiles (SW846 8260D)</b>					
Acetone	0.05	100	0.0512	0.0051	J 0.009 J
<b>GC/LC Semi-volatiles (SW846 8081B)</b>					
4,4'-DDT	0.0033	7.9	0.0189 B	0.0116 B	0.0097 B
<b>Metals Analysis</b>					
Chromium	30	180	36.7	21	8.7
Mercury	0.18	0.81	0.054	0.47	<0.032

Notes:

- Compound Exceeds the USCO
- Compound Exceeds the RRSCO

All units in Mg/kg = Milligrams per kilogram

ND = Compound not detected

J = Concentration Estimated

### 3.2 GROUNDWATER INVESTIGATION RESULTS

Six (6) groundwater temporary wellpoints were installed and sampled by SESI between June 2021 and June 2022. A total of six (6) groundwater samples were collected and analyzed for various parameters including VOCs by EPA Method 8260C, SVOCs by EPA Method 8270D, TAL metals by EPA Method 6010C/7471, PCBs by EPA Method 8082A, pesticides by EPA Method 8081B, cyanide by EPA Method 9082, PFAS by EPA Method 537 and 1,4-dioxane by EPA Method 8270D SIM. Metals compounds were analyzed for totals metals (unfiltered). A summary table of the analytical results compared to NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS) Class GA Ambient Water Quality Standards and Guidance Values (AWQS) is presented on **Table 3.3**. A summary of compounds exceeding the AWQS is presented on **Table 3.4** below and on **Figure 3.2**. The laboratory analytical report is provided in **Appendix D**.

As presented on **Table 3.4** below, the groundwater testing results indicate AWQS exceedances of various metals including barium, cadmium, manganese, chromium, lead, iron, nickel, mercury, magnesium and sodium Site-wide. The VOC trichlorofluoromethane (Freon-11) was detected in one (1) sample (GW-1) at a concentration of 21.7 ug/L, exceeding the AWQS of 5 ug/L. The SVOC pentachlorophenol was detected in GW-1 at a concentration of 1.7 ug/L, exceeding the AWQS of 1 ug/L. In addition, the SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene and pyrene were detected in GW-2, GW-5, and GW-6 at concentrations exceeding the AWQSs. Finally, the pesticides dieldrin and 4-4'-DDD and PFAS including perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were detected exceeding the AWQS.

Based on the results of site-wide groundwater sampling conducted in June 2021 and June 2022, The metal and SVOC (polycyclic aromatic hydrocarbons) contaminants were detected mainly in temporary wells GW-1, GW-2, GW-5, and GW-6, with GW-2 and GW-6 located in the asphalt areas east of the grassy area on the Site and GW-5 is in the parking lot close to the building on the western side. Additional investigation is warranted to assess the extent of metals and SVOC groundwater contamination and to evaluate remedial options. In addition, additional investigation is warranted for the trichlorofluoromethane (Freon-11) exceedance in well GW-1 (21.7 ug/L) in the southwestern corner of the parking lot.



PFOA exceedances were present in all the groundwater samples collected at the Site. PFOS was detected at a concentration greater than the AWQS in samples GW-1(25.3), GW-2(20.1), GW-5(38.9), and GW-6(17.9). Additional investigation of the PFAS contaminant is warranted to assess the extent of PFAS groundwater contamination and to evaluate remedial options.

The pesticide dieldrin was detected above the AWQS in sample GW-6 (0.022 J). The qualifier J indicates this is an estimate and resampling is suggested to confirm the presence of the contaminant.

**Table 3.4: Summary of Groundwater Sample Exceedances**

Sample ID		NYSDEC AWQS	GW-1	GW-2	GW-3	GW-4	GW-5	GW-6
Date Sampled			6/21/2021	6/22/2021	6/22/2021	6/8/2022	6/9/2022	6/9/2022
Matrix			Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
<b>MS Volatiles (SW846 8260D) (ug/L)</b>								
Trichlorofluoromethane	ug/l	5	21.7	ND (0.40)	ND (0.40)	ND (2.0)	ND (2.0)	ND (2.0)
<b>MS Semi-volatiles (EPA 537M BY ID) (ng/L)</b>								
Perfluorooctanoic acid	ng/l	10	34.5	32.5	35.5	16.1	21.9	22.4
Perfluorooctanesulfonic acid	ng/l	10	25.3	20.1	ND (1.0)	5.6	38.9	17.9
<b>MS Semi-volatiles (SW846 8270E) (ug/L)</b>								
Pentachlorophenol	ug/l	1	1.7 J	ND (1.4)	ND (1.5)	ND (4.0)	ND (20)	ND (20)
Benzo(a)anthracene	ug/l	0.002	0.24 J	1.6	ND (0.21)	ND (1.0)	40.3	2.5 J
Benzo(a)pyrene	ug/l	0	ND (0.21)	2.7	ND (0.22)	ND (1.0)	34.2	2.5 J
Benzo(b)fluoranthene	ug/l	0.002	ND (0.21)	2.9	ND (0.22)	ND (1.0)	37.5	2.9 J
Benzo(k)fluoranthene	ug/l	0.002	ND (0.21)	0.98 J	ND (0.22)	ND (1.0)	12.8	ND (5.0)
Chrysene	ug/l	0.002	ND (0.18)	1.9	ND (0.19)	ND (1.0)	40.5	2.1 J
Fluoranthene	ug/l	50	ND (0.17)	1.6	ND (0.18)	ND (1.0)	69.2	3.1 J
Indeno(1,2,3-cd)pyrene	ug/l	0.002	ND (0.33)	2.5	ND (0.35)	ND (1.0)	19.5	1.8 J
Phenanthrene	ug/l	50	ND (0.18)	0.74 J	ND (0.18)	ND (1.0)	61.2	1.3 J
Pyrene	ug/l	50	ND (0.22)	3	ND (0.23)	ND (1.0)	83.8	3.1 J
<b>GC/LC Semi-volatiles (SW846 8081B) (ug/L)</b>								
Dieldrin	ug/l	0.004	ND (0.0077)	ND (0.0040)	ND (0.0040)	ND (0.0067)	ND (0.0048)	0.022 J
<b>Metals Analysis (ug/L)</b>								
Barium	ug/l	1000	328	ND (1000)	ND (1000)	2130	1060	1860
Cadmium	ug/l	5	5.6	ND (15)	ND (15)	ND (3.0)	ND (3.0)	4.7
Chromium	ug/l	50	ND (10)	ND (50)	ND (50)	85.9	112	107
Iron	ug/l	300	770	13100	11200	87600	106000	98600
Lead	ug/l	25	ND (3.0)	398	16	38.8	91.6	509
Magnesium	ug/l	35000	56400	27500	37600	217000	65600	46200
Manganese	ug/l	300	6940	2100	2420	14700	4540	9130
Mercury	ug/l	0.7	ND (0.20)	0.21	ND (0.20) <sup>f</sup>	1.7	0.81	1.8
Nickel	ug/l	100	ND (10)	ND (50)	ND (50)	101	114	102
Sodium	ug/l	20000	3210000	473000	2050000	735000	458000	108000

Notes:

Compound Exceeds NYSDEC AWQS

Ug/L = Micrograms per liter

ND = Compound not detected

J = Concentration Estimated

### 3.3 SOIL VAPOR INVESTIGATION RESULTS

Six (6) soil vapor samples were collected from six (6) soil vapor borings on June 22, 2021, and three (3) soil vapor samples were collected from three (3) soil vapor borings on June 9, 2022. In addition, one (1) ambient air sample was collected concurrently with the soil vapor samples for each sampling event. The soil vapor and ambient air samples were analyzed for VOCs in accordance with EPA Method TO-15. A summary of the analytical results is presented on **Table 3.5**. A summary of the soil vapor and ambient/indoor air detections is presented on **Table 3.6A and Table 3.6B** below and **Figure 3.3**. The laboratory analytical report is provided in **Appendix D**.

The concentrations of soil vapor compounds were evaluated against the NYSDEC Soil Vapor/Indoor Air decision matrices. As presented on **Table 3.6A and 3.6B** below the results indicate the presence of petroleum-related compounds including benzene, ethylbenzene, o-xylene, hexane, heptane and trimethylbenzene. There are no NYSDOH guidance values for petroleum VOCs in soil vapor.

There are also compounds in the soil gas that are typically associated with chlorinated solvents such as tetrachloroethene, trichloroethene (TCE), carbon tetrachloride, 1,2-dichloroethylene (Cis-1,2 DCE), and methylene chloride. Specifically, Cis-1,2 DCE (VP-2, 8.7 ug/m<sup>3</sup>), and TCE (VP-5, 7 ug/m<sup>3</sup>) were detected in one (1) sample each above the lower threshold of the NYSDEC Soil Vapor/Indoor Air matrices. However, soil vapor and indoor samples would be to be collected concurrently to evaluate the potential for potential vapor intrusion in New York.

In addition, trichlorofluoromethane (Freon-11) was detected throughout the Site. This was also detected in one (1) groundwater sample previously and may be associated with an undocumented Freon release from the Site historical land uses.

Table 3.6A: Summary of Soil Vapor Detections (2021)

Client Sample ID:	NYSDOH Matrix A	NYSDOH Matrix B	NYSDOH Matrix C	VP-1	VP-2	VP-3	VP-4	VP-5	VP-6	AA-1
Lab Sample ID:				JD27066-1	JD27066-2	JD27066-3	JD27066-4	JD27066-5	JD27066-6	JD27066-7
Date Sampled:				6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:				Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Ambient Air
<b>MS Volatiles (TO-15) - ug/m3</b>										
Acetone				1220	177	824	1240	910	1000	8.6
Acetone (2-Propanone)				-	-	-	-	-	-	-
1,3-Butadiene				ND (8.8)	ND (1.8)	ND (1.8)	ND (8.8)	ND (8.8)	70.8	ND (0.44)
Benzene				22	ND (2.6)	8.9	17	31	7	J ND (0.64)
Carbon disulfide				57.3	ND (2.5)	52.6	114	402	ND (12)	ND (0.62)
Chloroform				ND (20)	ND (3.9)	3.3	J ND (20)	ND (20)	ND (20)	ND (0.98)
Chloromethane				ND (8.3)	ND (1.7)	5.4	ND (8.3)	ND (8.3)	ND (8.3)	1
Carbon tetrachloride	6			ND (25)	ND (5.0)	ND (5.0)	ND (25)	ND (25)	ND (25)	0.36
Cyclohexane				23	ND (2.8)	17	ND (14)	2020	ND (14)	ND (0.69)
1,2-Dichloroethane				ND (16)	ND (3.2)	ND (3.2)	ND (16)	10	J ND (16)	ND (0.81)
Dichlorodifluoromethane				ND (20)	ND (4.0)	2.4	J ND (20)	ND (20)	ND (20)	2
cis-1,2-Dichloroethylene	6			ND (16)	8.7	ND (3.2)	ND (16)	5.2	J ND (16)	ND (0.79)
m-Dichlorobenzene				ND (24)	ND (4.8)	ND (4.8)	ND (24)	ND (24)	ND (24)	ND (1.2)
Ethanol				292	108	614	1010	1230	1430	13
Ethylbenzene				ND (17)	ND (3.5)	5.6	17	J ND (17)	8.3	J ND (0.87)
Ethyl Acetate				37.4	ND (2.9)	21	ND (14)	ND (14)	ND (14)	1.1
4-Ethyltoluene				ND (20)	ND (3.9)	ND (3.9)	ND (20)	ND (20)	ND (20)	ND (0.98)
Freon 114				ND (28)	ND (5.6)	ND (5.6)	ND (28)	ND (28)	ND (28)	ND (1.4)
Heptane				16	J ND (3.3)	19	13	J 259	29	ND (0.82)
Hexane				55.7	2.2	J 31	17	497	104	0.56
2-Hexanone				ND (16)	ND (3.3)	ND (3.3)	47.4	ND (16)	16	ND (0.82)
Isopropyl Alcohol				35.2	9.3	46.2	103	54.3	161	1.2
Methylene chloride		100		ND (14)	11	14	ND (14)	ND (14)	ND (14)	1
Methyl ethyl ketone				141	16	112	180	89.7	136	0.77
Methyl Isobutyl Ketone				ND (16)	ND (3.3)	8.2	ND (16)	ND (16)	12	J ND (0.82)
Methylmethacrylate				ND (16)	ND (3.3)	ND (3.3)	ND (16)	ND (16)	ND (16)	ND (0.82)
Propylene				1370	5.2	175	472	849	550	ND (0.86)
1,1,1-Trichloroethane		100		ND (22)	ND (4.4)	2.2	J ND (22)	ND (22)	ND (22)	ND (1.1)
1,2,4-Trimethylbenzene				ND (20)	ND (3.9)	6.9	14	J ND (20)	9.8	J ND (0.98)
1,3,5-Trimethylbenzene				ND (20)	ND (3.9)	ND (3.9)	ND (20)	ND (20)	ND (20)	ND (0.98)
2,2,4-Trimethylpentane				ND (19)	ND (3.7)	ND (3.7)	ND (19)	308	ND (19)	ND (0.93)
Tertiary Butyl Alcohol				24	1.5	J 10	22	13	ND (12)	ND (0.61)
Tetrachloroethylene		100		ND (5.4)	1.8	1.8	12	49	ND (5.4)	0.4
Tetrahydrofuran				ND (12)	ND (2.4)	ND (2.4)	ND (12)	ND (12)	ND (12)	ND (0.59)
Toluene				20	2.1	J 30	56.2	38	44.5	0.53
Trichloroethylene	6			ND (4.3)	2.9	ND (0.86)	ND (4.3)	7	ND (4.3)	ND (0.21)
Trichlorofluoromethane				ND (22)	5.6	8.4	389	ND (22)	ND (22)	1.5
Vinyl chloride			6	ND (10)	ND (2.0)	3.1	ND (10)	ND (10)	ND (10)	ND (0.51)
Vinyl Acetate				ND (14)	ND (2.8)	ND (2.8)	ND (14)	ND (14)	ND (14)	ND (0.70)
m,p-Xylene				18	ND (3.5)	22	68.6	23	33	ND (0.87)
o-Xylene				ND (17)	ND (3.5)	7.8	23	8.7	J 11	J ND (0.87)
Xylenes (total)				18	ND (3.5)	30	91.6	32	44.3	ND (0.87)

Table 3.6B: Summary of Soil Vapor Detections (2022)

Client Sample ID:				VP-7	VP-8	VP-9	AA-1
Lab Sample ID:	NYSDOH	NYSDOH	NYSDOH	JD46395-1	JD46395-2	JD46395-3	JD46395-4
Date Sampled:	Matrix A	Matrix B	Matrix C	6/9/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:				Soil Vapor	Soil Vapor	Soil Vapor	Ambient Air
<b>MS Volatiles (TO-15) - ug/m3</b>							
Acetone				-	-	-	-
Acetone (2-Propanone)				190	292	165	17
1,3-Butadiene				ND (0.44)	2.7	ND (1.8)	ND (0.35)
Benzene				10	19	22	0.48 J
Carbon disulfide				ND (0.62)	2	61	ND (0.50)
Chloroform				ND (0.98)	2.4	4.6	ND (0.78)
Chloromethane				0.5	1.3	2.5	1.3
Carbon tetrachloride	6			ND (0.25)	0.6	ND (1.0)	0.51
Cyclohexane				5.9	ND (0.69)	10	ND (0.55)
1,2-Dichloroethane				ND (0.81)	ND (0.81)	ND (3.2)	ND (0.65)
Dichlorodifluoromethane				ND (0.99)	ND (0.99)	2.2 J	1.5
cis-1,2-Dichloroethylene	6			ND (0.16)	ND (0.16)	ND (0.63)	ND (0.13)
m-Dichlorobenzene				3.8	9	6.6	ND (0.48)
Ethanol				170	ND (0.94)	76.1	20.3
Ethylbenzene				5.6	5.6	5.6	ND (0.69)
Ethyl Acetate				62.6	33	12	10
4-Ethyltoluene				2.3	2.3	1.9 J	ND (0.79)
Freon 114				1.3	ND (0.70)	3.4	ND (0.56)
Heptane				123 <sup>a</sup>	5.3 <sup>a</sup>	7	0.61 <sup>a</sup> J
Hexane				129	ND (0.70)	13	0.63
2-Hexanone				ND (0.82)	ND (0.82)	4.9	3.5
Isopropyl Alcohol				15	ND (0.49)	1130 E	1.8
Methylene chloride		100		2.4	ND (0.69)	2.8	1.5
Methyl ethyl ketone				ND (0.59)	22	20	5.3
Methyl Isobutyl Ketone				39	47.5	32	1.3
Methylmethacrylate				ND (0.82)	ND (0.82)	1.6 J	ND (0.66)
Propylene				ND (0.86)	ND (0.86)	179	1.2
1,1,1-Trichloroethane		100		ND (0.55)	ND (0.55)	11	ND (0.44)
1,2,4-Trimethylbenzene				9.3	9.3	7.4	0.38 J
1,3,5-Trimethylbenzene				2.5	2.7	2.3 J	ND (0.79)
2,2,4-Trimethylpentane				55.1	13	ND (3.7)	0.56 J
Tertiary Butyl Alcohol				12	ND (0.61)	39.7	0.3 J
Tetrachloroethylene		100		8.8	6.8	6.6	0.35
Tetrahydrofuran				6.2	14	5.9	2.7
Toluene				21	15	21	1.2
Trichloroethylene	6			0.54	0.47	ND (0.86)	ND (0.17)
Trichlorofluoromethane				433	11	348	1.6
Vinyl chloride			6	ND (0.10)	ND (0.10)	ND (0.41)	ND (0.082)
Vinyl Acetate				ND (0.70)	ND (0.70)	ND (2.8)	4.2
m,p-Xylene				21	25	20	0.96
o-Xylene				7.4	11	8.3	ND (0.69)
Xylenes (total)				28	36	28	0.96

Notes:

ND = Compound Not Detected

Ug/m3 = Micrograms per cubic meter

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

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

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

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

The exceedances in the soil, groundwater, and soil vapor reported during the investigation are a result of the use of the Site's historical land use and the presence of contaminated historic fill.

Analytical results of this investigation identified SVOC impacts to the soil most likely from the historic uses of the Site including car parking, wagon storage and blacksmith. SVOCs and metals were reported to exceed the RRSCOs across the subject property at depths ranging from grade up to 2 to 10 ft-bgs.

The SVOCs detected in groundwater including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and ideno (1,2,3-cd)pyrene are similar to the SVOCs detected in soils, which indicates that the historic site operation have impacted soil and groundwater at the Site. In addition, groundwater resulted in exceedances of VOCs (Freon 11) and pesticides. PFAS levels in groundwater exceeded the PFAS maximum contaminant level (MCL) and may have resulted from an adjacent Fire House. Additional investigation of the Site is warranted to assess the extent of groundwater contamination and to evaluate remedial options.

Several petroleum-related compounds were detected in the soil vapor samples that may indicate contamination is present throughout the overburden soil at the Site. In addition, trichlorofluoromethane (Freon-11) was also detected throughout the Site, indicating a potential freon release. The CVOCs Cis-1,2 DCE (VP-2, 8.7 ug/m<sup>3</sup>, and TCE (VP-5, 7 ug/m<sup>3</sup>) were detected in soil vapor at concentrations exceeding the NYSDOH Decision Matrices Lower Threshold Levels.

Additional soils, groundwater, and soil vapor investigation and remediation are recommended prior to site development.

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# Tables

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**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-1 (3-5)	SB-1 (9-11)	SB-2 (1-3)	SB-2 (4-6)	SB-3 (3-5)	SB-3 (9-11)	SB-4 (2-4)	SB-4 (10-12)	SB-5 (3-5)	SB-5 (10-12)
Lab Sample ID:						JD26986-3 & JD26986-3A	JD26986-4	JD26986-5 & JD26986-5A	JD26986-6	JD26986-7 & JD26986-7A	JD26986-8	JD27065-3 & JD27065-3A	JD27065-4	JD27065-5 & JD27065-5A	JD27065-6
Date Sampled:						6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units	Soil												
<b>MS Volatiles (SW846 8260D)</b>															
Acetone	67-64-1	mg/kg	0.05	100	100	ND (0.0043)	0.0071 J	ND (0.0044)	0.034	ND (0.0045)	ND (0.0050)	0.0217	0.0101 J	0.0055 J	0.0111 J
Benzene	71-43-2	mg/kg	0.06	2.9	4.8	ND (0.00048)	ND (0.00051)	ND (0.00048)	ND (0.00056)	ND (0.00049)	ND (0.00055)	ND (0.00046)	ND (0.00055)	ND (0.00048)	ND (0.00052)
Bromochloromethane	74-97-5	mg/kg	-	-	-	ND (0.00059)	ND (0.00063)	ND (0.00059)	ND (0.00069)	ND (0.00061)	ND (0.00068)	ND (0.00056)	ND (0.00068)	ND (0.00058)	ND (0.00064)
Bromodichloromethane	75-27-4	mg/kg	-	-	-	ND (0.00045)	ND (0.00048)	ND (0.00045)	ND (0.00053)	ND (0.00046)	ND (0.00052)	ND (0.00043)	ND (0.00052)	ND (0.00045)	ND (0.00049)
Bromoform	75-25-2	mg/kg	-	-	-	ND (0.0014)	ND (0.0015)	ND (0.0014)	ND (0.0017)	ND (0.0015)	ND (0.0016)	ND (0.0014)	ND (0.0016)	ND (0.0014)	ND (0.0016)
Bromomethane	74-83-9	mg/kg	-	-	-	ND (0.00080)	ND (0.00086)	ND (0.00081)	ND (0.00094)	ND (0.00083)	ND (0.00092)	ND (0.00077)	ND (0.00093)	ND (0.00080)	ND (0.00088)
2-Butanone (MEK)	78-93-3	mg/kg	0.12	100	100	ND (0.0025)	ND (0.0027)	ND (0.0026)	ND (0.0030)	ND (0.0026)	ND (0.0029)	ND (0.0024)	ND (0.0029)	ND (0.0025)	ND (0.0028)
Carbon disulfide	75-15-0	mg/kg	-	100		ND (0.00056)	ND (0.00060)	ND (0.00057)	ND (0.00066)	ND (0.00058)	ND (0.00065)	ND (0.00054)	ND (0.00065)	ND (0.00056)	ND (0.00062)
Carbon tetrachloride	56-23-5	mg/kg	0.76	1.4	2.4	ND (0.00065)	ND (0.00069)	ND (0.00065)	ND (0.00076)	ND (0.00067)	ND (0.00075)	ND (0.00062)	ND (0.00075)	ND (0.00065)	ND (0.00071)
Chlorobenzene	108-90-7	mg/kg	1.1	100	100	ND (0.00048)	ND (0.00051)	ND (0.00049)	ND (0.00057)	ND (0.00050)	ND (0.00056)	ND (0.00046)	ND (0.00056)	ND (0.00048)	ND (0.00053)
Chloroethane	75-00-3	mg/kg	-			ND (0.00062)	ND (0.00066)	ND (0.00063)	ND (0.00073)	ND (0.00064)	ND (0.00072)	ND (0.00059)	ND (0.00072)	ND (0.00062)	ND (0.00068)
Chloroform	67-66-3	mg/kg	0.37	10	49	ND (0.00054)	ND (0.00058)	ND (0.00055)	ND (0.00064)	ND (0.00056)	ND (0.00063)	ND (0.00052)	ND (0.00063)	ND (0.00054)	ND (0.00060)
Chloromethane	74-87-3	mg/kg	-	-	-	ND (0.0020)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0021)	ND (0.0024)	ND (0.0020)	ND (0.0024)	ND (0.0020)	ND (0.0023)
Cyclohexane	110-82-7	mg/kg	-	-	-	ND (0.00069)	ND (0.00074)	ND (0.00070)	ND (0.00081)	ND (0.00071)	ND (0.00080)	ND (0.00066)	ND (0.00080)	ND (0.00069)	ND (0.00076)
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	-	-	-	ND (0.00073)	ND (0.00078)	ND (0.00073)	ND (0.00086)	ND (0.00075)	ND (0.00084)	ND (0.00070)	ND (0.00084)	ND (0.00072)	ND (0.00080)
Dibromochloromethane	124-48-1	mg/kg	-			ND (0.00059)	ND (0.00063)	ND (0.00059)	ND (0.00069)	ND (0.00061)	ND (0.00068)	ND (0.00056)	ND (0.00068)	ND (0.00058)	ND (0.00064)
1,2-Dibromoethane	106-93-4	mg/kg	-	-	-	ND (0.00044)	ND (0.00047)	ND (0.00045)	ND (0.00052)	ND (0.00046)	ND (0.00051)	ND (0.00042)	ND (0.00051)	ND (0.00044)	ND (0.00048)
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	100	ND (0.00057)	ND (0.00061)	ND (0.00058)	ND (0.00067)	ND (0.00059)	ND (0.00066)	ND (0.00055)	ND (0.00066)	ND (0.00057)	ND (0.00063)
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	17	49	ND (0.00052)	ND (0.00056)	ND (0.00052)	ND (0.00061)	ND (0.00054)	ND (0.00060)	ND (0.00050)	ND (0.00060)	ND (0.00052)	ND (0.00057)
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	9.8	13	ND (0.00052)	ND (0.00055)	ND (0.00052)	ND (0.00061)	ND (0.00053)	ND (0.00060)	ND (0.00050)	ND (0.00060)	ND (0.00052)	ND (0.00057)
Dichlorodifluoromethane	75-71-8	mg/kg	-	-	-	ND (0.00076) <sup>a</sup>	ND (0.00081) <sup>a</sup>	ND (0.00077) <sup>a</sup>	ND (0.00090) <sup>a</sup>	ND (0.00079) <sup>a</sup>	ND (0.00088) <sup>a</sup>	ND (0.00073)	ND (0.00088)	ND (0.00076)	ND (0.00084)
1,1-Dichloroethane	75-34-3	mg/kg	0.27	19	26	ND (0.00052)	ND (0.00055)	ND (0.00052)	ND (0.00061)	ND (0.00054)	ND (0.00060)	ND (0.00050)	ND (0.00060)	ND (0.00052)	ND (0.00057)
1,2-Dichloroethane	107-06-2	mg/kg	0.02	2.3	3.1	ND (0.00049)	ND (0.00053)	ND (0.00050)	ND (0.00058)	ND (0.00051)	ND (0.00057)	ND (0.00047)	ND (0.00057)	ND (0.00049)	ND (0.00054)
1,1-Dichloroethene	75-35-4	mg/kg	0.33	100	100	ND (0.00068)	ND (0.00073)	ND (0.00069)	ND (0.00081)	ND (0.00071)	ND (0.00079)	ND (0.00066)	ND (0.00079)	ND (0.00068)	ND (0.00075)
cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	59	100	ND (0.00088)	ND (0.00094)	ND (0.00089)	ND (0.0010)	ND (0.00091)	ND (0.0010)	ND (0.00084)	ND (0.0010)	ND (0.00088)	ND (0.00097)
trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	100	100	ND (0.00064)	ND (0.00068)	ND (0.00065)	ND (0.00075)	ND (0.00066)	ND (0.00074)	ND (0.00061)	ND (0.00074)	ND (0.00064)	ND (0.00070)
1,2-Dichloropropane	78-87-5	mg/kg	-			ND (0.00049)	ND (0.00053)	ND (0.00050)	ND (0.00058)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00057)	ND (0.00049)	ND (0.00054)
cis-1,3-Dichloropropene	10061-01-5	mg/kg	-	-	-	ND (0.00050)	ND (0.00053)	ND (0.00050)	ND (0.00059)	ND (0.00051)	ND (0.00057)	ND (0.00048)	ND (0.00058)	ND (0.00050)	ND (0.00055)
trans-1,3-Dichloropropene	10061-02-6	mg/kg	-	-	-	ND (0.00048)	ND (0.00051)	ND (0.00048)	ND (0.00056)	ND (0.00049)	ND (0.00055)	ND (0.00046)	ND (0.00055)	ND (0.00048)	ND (0.00053)
Ethylbenzene	100-41-4	mg/kg	1	30	41	ND (0.00047)	ND (0.00051)	ND (0.00048)	ND (0.00056)	ND (0.00049)	ND (0.00055)	ND (0.00046)	ND (0.00055)	ND (0.00047)	ND (0.00052)
Freon 113	76-13-1	mg/kg	-	100		ND (0.0028)	ND (0.0030)	ND (0.0028)	ND (0.0033)	ND (0.0029)	ND (0.0032)	ND (0.0027)	ND (0.0032)	ND (0.0028)	ND (0.0031)
2-Hexanone	591-78-6	mg/kg	-	-	-	ND (0.0022)	ND (0.0024)	ND (0.0022)	ND (0.0026)	ND (0.0023)	ND (0.0026)	ND (0.0021)	ND (0.0026)	ND (0.0022)	ND (0.0024)
Isopropylbenzene	98-82-8	mg/kg	-	100		ND (0.0015)	ND (0.0016)	ND (0.0015)	ND (0.0017)	ND (0.0015)	ND (0.0017)	ND (0.0014)	ND (0.0017)	ND (0.0015)	ND (0.0016)
Methyl Acetate	79-20-9	mg/kg	-	-	-	ND (0.0015)	ND (0.0016)	ND (0.0015)	ND (0.0017)	ND (0.0015)	ND (0.0017)	ND (0.0014)	0.0031 J	ND (0.0015)	ND (0.0016)
Methylcyclohexane	108-87-2	mg/kg	-	-	-	ND (0.00091)	ND (0.00098)	ND (0.00093)	ND (0.0011)	ND (0.00095)	ND (0.0011)	ND (0.00088)	ND (0.0011)	ND (0.00091)	ND (0.0010)
Methyl Tert Butyl Ether	1634-04-4	mg/kg	0.93	62	100	ND (0.00049)	ND (0.00053)	ND (0.00050)	ND (0.00058)	ND (0.00051)	ND (0.00057)	ND (0.00047)	ND (0.00057)	ND (0.00049)	ND (0.00054)
4-Methyl-2-pentanone(MIBK)	108-10-1	mg/kg	-			ND (0.0024)	ND (0.0025)	ND (0.0024)	ND (0.0028)	ND (0.0025)	ND (0.0027)	ND (0.0023)	ND (0.0028)	ND (0.0024)	ND (0.0026)
Methylene chloride	75-09-2	mg/kg	0.05	51	100	ND (0.0027)	ND (0.0029)	ND (0.0028)	ND (0.0032)	ND (0.0028)	ND (0.0032)	ND (0.0026)	ND (0.0032)	ND (0.0027)	ND (0.0030)
Styrene	100-42-5	mg/kg	-			ND (0.00042)	ND (0.00045)	ND (0.00043)	ND (0.00050)	ND (0.00044)	ND (0.00049)	ND (0.00040)	ND (0.00049)	ND (0.00042)	ND (0.00046)
1,1,1,2-Tetrachloroethane	79-34-5	mg/kg	-	35		ND (0.00063)	ND (0.00067)	ND (0.00063)	ND (0.00074)	ND (0.00065)	ND (0.00073)	ND (0.00060)	ND (0.00073)	ND (0.00063)	ND (0.00069)
Tetrachloroethene	127-18-4	mg/kg	1.3	5.5	19	ND (0.00061)	ND (0.00065)	ND (0.00061)	ND (0.00071)	ND (0.00063)	ND (0.00070)	ND (0.00058)	ND (0.00070)	ND (0.00061)	ND (0.00067)
Toluene	108-88-3	mg/kg	0.7	100	100	ND (0.00055)	ND (0.00059)	ND (0.00056)	ND (0.00065)	ND (0.00057)	ND (0.00064)	ND (0.00053)	ND (0.00064)	ND (0.00055)	ND (0.00060)
1,2,3-Trichlorobenzene	87-61-6	mg/kg	-			ND (0.0026)	ND (0.0028)	ND (0.0026)	ND (0.0031)	ND (0.0027)	ND (0.0030)	ND (0.0025)	ND (0.0030)	ND (0.0026)	ND (0.0029)
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	100	ND (0.00050)	ND (0.00054)	ND (0.00051)	ND (0.00060)	ND (0.00052)	ND (0.00058)	ND (0.00049)	ND (0.00058)	ND (0.00050)	ND (0.00056)
1,1,2-Trichloroethane	79-00-5	mg/kg	-	-	-	ND (0.00058)	ND (0.00062)	ND (0.00059)	ND (0.00068)	ND (0.00060)	ND (0.00067)	ND (0.00056)	ND (0.00067)	ND (0.00058)	ND (0.00064)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-1 (3-5)	SB-1 (9-11)	SB-2 (1-3)	SB-2 (4-6)	SB-3 (3-5)	SB-3 (9-11)	SB-4 (2-4)	SB-4 (10-12)	SB-5 (3-5)	SB-5 (10-12)
Lab Sample ID:						JD26986-3 & JD26986-3A	JD26986-4	JD26986-5 & JD26986-5A	JD26986-6	JD26986-7 & JD26986-7A	JD26986-8	JD27065-3 & JD27065-3A	JD27065-4	JD27065-5 & JD27065-5A	JD27065-6
Date Sampled:						6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Trichloroethene	79-01-6	mg/kg	0.47	10	21	ND (0.00080)	ND (0.00085)	ND (0.00081)	ND (0.00094)	ND (0.00082)	ND (0.00092)	ND (0.00077)	ND (0.00092)	ND (0.00080)	ND (0.00088)
Trichlorofluoromethane	75-69-4	mg/kg	-	-	-	0.0020 J	ND (0.00077)	ND (0.00072)	ND (0.00084)	ND (0.00074)	ND (0.00083)	ND (0.00069)	ND (0.00083)	ND (0.00071)	ND (0.00079)
Vinyl chloride	75-01-4	mg/kg	0.02	0.21	0.9	ND (0.00050)	ND (0.00054)	ND (0.00051)	ND (0.00059)	ND (0.00052)	ND (0.00058)	ND (0.00048)	ND (0.00058)	ND (0.00050)	ND (0.00055)
m,p-Xylene		mg/kg	0.26	100	100	ND (0.00094)	ND (0.0010)	ND (0.00095)	ND (0.0011)	ND (0.00097)	ND (0.0011)	ND (0.00090)	ND (0.0011)	ND (0.00094)	ND (0.0010)
o-Xylene	95-47-6	mg/kg	0.26	100	100	ND (0.00048)	ND (0.00051)	ND (0.00048)	ND (0.00056)	ND (0.00050)	ND (0.00055)	ND (0.00046)	ND (0.00055)	ND (0.00048)	ND (0.00053)
Xylene (total)	1330-20-7	mg/kg	0.26	100	100	ND (0.00048)	ND (0.00051)	ND (0.00048)	ND (0.00056)	ND (0.00050)	ND (0.00055)	ND (0.00046)	ND (0.00055)	ND (0.00048)	ND (0.00053)
<b>MS Volatile TIC</b>															
Total TIC, Volatile		mg/kg	-	-	-	0	0	0	0	0	0	0	0	0	0
<b>MS Semi-volatiles (EPA 537M BY ID)</b>															
Perfluorobutanoic acid	375-22-4	ug/kg	-	-	-	ND (0.39)	-	ND (0.43)	-	ND (0.41)	-	ND (0.39)	-	ND (0.40)	-
Perfluoropentanoic acid	2706-90-3	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluorohexanoic acid	307-24-4	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluoroheptanoic acid	375-85-9	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluorooctanoic acid (PFOA)	335-67-1	ug/kg	0.66	6.6	33	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluorononanoic acid	375-95-1	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluorodecanoic acid	335-76-2	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluoroundecanoic acid	2058-94-8	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluorododecanoic acid	307-55-1	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluorotridecanoic acid	72629-94-8	ug/kg	-	-	-	ND (0.27)	-	ND (0.30)	-	ND (0.29)	-	ND (0.27)	-	ND (0.28)	-
Perfluorotetradecanoic acid	376-06-7	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluorobutanesulfonic acid	375-73-5	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluorohexanesulfonic acid	355-46-4	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluoroheptanesulfonic acid	375-92-8	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ug/kg	0.88	8.8	44	ND (0.26)	-	ND (0.28)	-	0.30 J	-	ND (0.25)	-	ND (0.26)	-
Perfluorodecanesulfonic acid	335-77-3	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
PFOSA	754-91-6	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
MeFOSAA	2355-31-9	ug/kg	-	-	-	ND (0.51)	-	ND (0.57)	-	ND (0.54)	-	ND (0.51)	-	ND (0.53)	-
EtFOSAA	2991-50-6	ug/kg	-	-	-	ND (0.51)	-	ND (0.57)	-	ND (0.54)	-	ND (0.51)	-	ND (0.53)	-
6:2 Fluorotelomer sulfonate	27619-97-2	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
8:2 Fluorotelomer sulfonate	39108-34-4	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.27)	-	ND (0.25)	-	ND (0.26)	-
<b>MS Semi-volatiles (SW846 8270E)</b>															
2-Chlorophenol	95-57-8	mg/kg	-	100		ND (0.018)	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.020)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.019)
4-Chloro-3-methyl phenol	59-50-7	mg/kg	-	-	-	ND (0.022)	ND (0.025)	ND (0.023)	ND (0.024)	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.023)
2,4-Dichlorophenol	120-83-2	mg/kg	-	100		ND (0.031)	ND (0.034)	ND (0.032)	ND (0.033)	ND (0.031)	ND (0.035)	ND (0.030) °	ND (0.032)	ND (0.031)	ND (0.033)
2,4-Dimethylphenol	105-67-9	mg/kg	-	-	-	ND (0.064)	ND (0.072)	ND (0.068)	ND (0.070)	ND (0.064)	ND (0.073)	ND (0.063)	ND (0.066)	ND (0.064)	ND (0.068)
2,4-Dinitrophenol	51-28-5	mg/kg	-	100		ND (0.14)	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.13)	ND (0.14)	ND (0.13)	ND (0.14)
4,6-Dinitro-o-cresol	534-52-1	mg/kg	-	-	-	ND (0.039)	ND (0.043)	ND (0.041)	ND (0.042)	ND (0.038)	ND (0.044)	ND (0.038) °	ND (0.040)	ND (0.038)	ND (0.041)
2-Methylphenol	95-48-7	mg/kg	0.33	100	100	ND (0.023)	ND (0.026)	ND (0.024)	ND (0.025)	ND (0.023)	ND (0.026)	ND (0.022)	ND (0.024)	ND (0.023)	ND (0.024)
3&4-Methylphenol		mg/kg	-	-	-	ND (0.030)	ND (0.033)	ND (0.031)	ND (0.032)	ND (0.030)	ND (0.034)	ND (0.029)	ND (0.030)	ND (0.029)	ND (0.031)
2-Nitrophenol	88-75-5	mg/kg	-			ND (0.024)	ND (0.027)	ND (0.025)	ND (0.026)	ND (0.024)	ND (0.027)	ND (0.023) °	ND (0.024)	ND (0.024)	ND (0.025)



**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-1 (3-5)	SB-1 (9-11)	SB-2 (1-3)	SB-2 (4-6)	SB-3 (3-5)	SB-3 (9-11)	SB-4 (2-4)	SB-4 (10-12)	SB-5 (3-5)	SB-5 (10-12)
Lab Sample ID:						JD26986-3 & JD26986-3A	JD26986-4	JD26986-5 & JD26986-5A	JD26986-6	JD26986-7 & JD26986-7A	JD26986-8	JD27065-3 & JD27065-3A	JD27065-4	JD27065-5 & JD27065-5A	JD27065-6
Date Sampled:						6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
4-Nitrophenol	100-02-7	mg/kg	-			ND (0.096)	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.096)	ND (0.11)	ND (0.094) <sup>c</sup>	ND (0.099) <sup>c</sup>	ND (0.096) <sup>c</sup>	ND (0.10) <sup>c</sup>
Pentachlorophenol	87-86-5	mg/kg	0.8	2.4	6.7	ND (0.034)	ND (0.038)	ND (0.036)	ND (0.037)	ND (0.034)	ND (0.038)	ND (0.033)	ND (0.035)	ND (0.034)	ND (0.036)
Phenol	108-95-2	mg/kg	0.33	100	100	ND (0.019)	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.021)	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.020)
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	-	-	-	ND (0.024) <sup>d</sup>	ND (0.027) <sup>d</sup>	ND (0.025) <sup>d</sup>	ND (0.026) <sup>d</sup>	ND (0.024) <sup>d</sup>	ND (0.027) <sup>d</sup>	ND (0.023)	ND (0.024)	ND (0.024)	ND (0.025)
2,4,5-Trichlorophenol	95-95-4	mg/kg	-	100		ND (0.027)	ND (0.030)	ND (0.029)	ND (0.029)	ND (0.027)	ND (0.031)	ND (0.026)	ND (0.028)	ND (0.027)	ND (0.029)
2,4,6-Trichlorophenol	88-06-2	mg/kg	-			ND (0.021)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.021)	ND (0.024)	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.023)
Acenaphthene	83-32-9	mg/kg	20	100	100	0.0257 J	ND (0.014)	0.0645	ND (0.013)	ND (0.012)	ND (0.014)	0.0261 J	ND (0.013)	0.0477	ND (0.013)
Acenaphthylene	208-96-8	mg/kg	100	100	100	ND (0.018) <sup>d</sup>	ND (0.020) <sup>d</sup>	0.0243 J <sup>e</sup>	ND (0.020) <sup>d</sup>	0.0375 <sup>e</sup>	ND (0.021) <sup>d</sup>	0.0481	ND (0.019)	ND (0.018)	ND (0.019)
Acetophenone	98-86-2	mg/kg	-	-	-	ND (0.0078)	ND (0.0087)	ND (0.0082)	ND (0.0084)	ND (0.0077)	ND (0.0088)	ND (0.0076)	ND (0.0080)	ND (0.0077)	ND (0.0082)
Anthracene	120-12-7	mg/kg	100	100	100	0.0708	ND (0.025)	0.172	ND (0.024)	0.0378	ND (0.025)	0.102	ND (0.023)	0.0934	ND (0.023)
Atrazine	1912-24-9	mg/kg	-	-	-	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.015)	ND (0.017)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)
Benzo(a)anthracene	56-55-3	mg/kg	1	1	1	0.227	ND (0.011)	0.52	ND (0.011)	0.192	ND (0.012)	0.461	ND (0.010)	0.254	ND (0.011)
Benzo(a)pyrene	50-32-8	mg/kg	1	1	1	0.211	ND (0.018)	0.472	ND (0.018)	0.184	ND (0.019)	0.384	ND (0.017)	0.222	ND (0.017)
Benzo(b)fluoranthene	205-99-2	mg/kg	1	1	1	0.264	ND (0.018)	0.575	ND (0.017)	0.246	ND (0.018)	0.433	ND (0.016)	0.265	ND (0.017)
Benzo(g,h,i)perylene	191-24-2	mg/kg	100	100	100	0.135	ND (0.020)	0.298	ND (0.020)	0.12	ND (0.020)	0.212	ND (0.018)	0.133	ND (0.019)
Benzo(k)fluoranthene	207-08-9	mg/kg	0.8	1	3.9	0.101	ND (0.019)	0.17	ND (0.018)	0.0917	ND (0.019)	0.173	ND (0.017)	0.0968	ND (0.018)
4-Bromophenyl phenyl ether	101-55-3	mg/kg	-	-	-	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
Butyl benzyl phthalate	85-68-7	mg/kg	-	100		ND (0.0088)	ND (0.0098)	ND (0.0093)	ND (0.0095)	ND (0.0088)	ND (0.010)	ND (0.0086)	ND (0.0090)	ND (0.0087)	ND (0.0093)
1,1'-Biphenyl	92-52-4	mg/kg	-			ND (0.0049)	ND (0.0055)	0.0065 J	ND (0.0054)	ND (0.0049)	ND (0.0056)	0.0053 J	ND (0.0051)	ND (0.0049)	ND (0.0052)
Benzaldehyde	100-52-7	mg/kg	-	-	-	ND (0.0089)	ND (0.010)	ND (0.0094)	ND (0.0097)	ND (0.0089)	ND (0.010)	ND (0.0087)	ND (0.0092)	ND (0.0089)	ND (0.0095)
2-Chloronaphthalene	91-58-7	mg/kg	-	-	-	ND (0.0086)	ND (0.0096)	ND (0.0091)	ND (0.0093)	ND (0.0086)	ND (0.0097)	ND (0.0084)	ND (0.0088)	ND (0.0085)	ND (0.0091)
4-Chloroaniline	106-47-8	mg/kg	-	100		ND (0.013)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.015)	ND (0.013) <sup>c</sup>	ND (0.013)	ND (0.013)	ND (0.014)
Carbazole	86-74-8	mg/kg	-	-	-	0.0249 J	ND (0.0058)	0.0606 J	ND (0.0057)	0.0130 J	ND (0.0059)	0.0203 J	ND (0.0054)	0.0291 J	ND (0.0055)
Caprolactam	105-60-2	mg/kg	-	-	-	ND (0.014) <sup>d</sup>	ND (0.016) <sup>d</sup>	ND (0.015) <sup>d</sup>	ND (0.015) <sup>d</sup>	ND (0.014) <sup>d</sup>	ND (0.016) <sup>d</sup>	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)
Chrysene	218-01-9	mg/kg	1	1	3.9	0.227	ND (0.013)	0.531	ND (0.012)	0.199	ND (0.013)	0.482	ND (0.012)	0.26	ND (0.012)
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	-	-	-	ND (0.0077)	ND (0.0086)	ND (0.0082)	ND (0.0084)	ND (0.0077)	ND (0.0087)	ND (0.0075)	ND (0.0079)	ND (0.0077)	ND (0.0082)
bis(2-Chloroethyl)ether	111-44-4	mg/kg	-	-	-	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.015)	ND (0.018)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)
2,2'-Oxybis(1-chloropropane)	108-60-1	mg/kg	-	-	-	ND (0.013) <sup>d</sup>	ND (0.014) <sup>d</sup>	ND (0.014) <sup>d</sup>	ND (0.014) <sup>d</sup>	ND (0.013) <sup>d</sup>	ND (0.015) <sup>d</sup>	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	-	-	-	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)
2,4-Dinitrotoluene	121-14-2	mg/kg	-	-	-	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)
2,6-Dinitrotoluene	606-20-2	mg/kg	-	1.03		ND (0.018)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.018)	ND (0.021)	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.019)
3,3'-Dichlorobenzidine	91-94-1	mg/kg	-	-	-	ND (0.030)	ND (0.034)	ND (0.032)	ND (0.033)	ND (0.030)	ND (0.034)	ND (0.029)	ND (0.031)	ND (0.030)	ND (0.032)
1,4-Dioxane	123-91-1	mg/kg	0.1	9.8	13	ND (0.024) <sup>d</sup>	ND (0.027) <sup>d</sup>	ND (0.025) <sup>d</sup>	ND (0.026) <sup>d</sup>	ND (0.024) <sup>d</sup>	ND (0.027) <sup>d</sup>	ND (0.023) <sup>c</sup>	ND (0.024)	ND (0.024)	ND (0.025)
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.33	0.33	0.33	0.0302 J	ND (0.018)	0.0865	ND (0.017)	0.0377	ND (0.018)	0.0624	ND (0.016)	0.0413	ND (0.017)
Dibenzofuran	132-64-9	mg/kg	7	14	59	ND (0.015)	ND (0.016)	0.0268 J	ND (0.016)	ND (0.015)	ND (0.017)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.016)
Di-n-butyl phthalate	84-74-2	mg/kg	-	100		ND (0.0059)	ND (0.0066)	ND (0.0062)	ND (0.0064)	ND (0.0059)	ND (0.0067)	ND (0.0057)	ND (0.0060)	ND (0.0058)	ND (0.0062)
Di-n-octyl phthalate	117-84-0	mg/kg	-	100		ND (0.0090) <sup>c</sup>	ND (0.010) <sup>c</sup>	ND (0.0095) <sup>c</sup>	ND (0.0097) <sup>c</sup>	ND (0.0090) <sup>c</sup>	ND (0.010) <sup>c</sup>	ND (0.0087)	ND (0.0092)	ND (0.0089)	ND (0.0095)
Diethyl phthalate	84-66-2	mg/kg	-	100		ND (0.0077)	ND (0.0086)	ND (0.0081)	ND (0.0083)	ND (0.0077)	ND (0.0087)	ND (0.0075)	ND (0.0079)	ND (0.0076)	ND (0.0081)
Dimethyl phthalate	131-11-3	mg/kg	-	100		ND (0.0064)	ND (0.0072)	ND (0.0068)	ND (0.0070)	ND (0.0064)	ND (0.0073)	ND (0.0063)	ND (0.0066)	ND (0.0064)	ND (0.0068)
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	-	50		ND (0.0084)	ND (0.0094)	ND (0.0089)	ND (0.0091)	ND (0.0084)	ND (0.0096)	ND (0.0082)	ND (0.0087)	ND (0.0084)	ND (0.0089)
Fluoranthene	206-44-0	mg/kg	100	100	100	0.377	ND (0.018)	0.822	ND (0.017)	0.273	ND (0.018)	0.567	ND (0.016)	0.52	ND (0.017)
Fluorene	86-73-7	mg/kg	30	100	100	0.0180 J	ND (0.018)	0.0455	ND (0.018)	ND (0.017)	ND (0.019)	0.0203 J	ND (0.017)	0.0334 J	ND (0.017)
Hexachlorobenzene	118-74-1	mg/kg	0.33	0.41	1.2	ND (0.0091)	ND (0.010)	ND (0.0096)	ND (0.0099)	ND (0.0091)	ND (0.010)	ND (0.0089)	ND (0.0094)	ND (0.0091)	ND (0.0096)
Hexachlorobutadiene	87-68-3	mg/kg	-	-	-	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)
Hexachlorocyclopentadiene	77-47-4	mg/kg	-			ND (0.014) <sup>d</sup>	ND (0.016) <sup>d</sup>	ND (0.015) <sup>d</sup>	ND (0.016) <sup>d</sup>	ND (0.014) <sup>d</sup>	ND (0.016) <sup>d</sup>	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)
Hexachloroethane	67-72-1	mg/kg	-	-	-	ND (0.018)	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.020)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.019)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-1 (3-5)	SB-1 (9-11)	SB-2 (1-3)	SB-2 (4-6)	SB-3 (3-5)	SB-3 (9-11)	SB-4 (2-4)	SB-4 (10-12)	SB-5 (3-5)	SB-5 (10-12)
Lab Sample ID:						JD26986-3 & JD26986-3A	JD26986-4	JD26986-5 & JD26986-5A	JD26986-6	JD26986-7 & JD26986-7A	JD26986-8	JD27065-3 & JD27065-3A	JD27065-4	JD27065-5 & JD27065-5A	JD27065-6
Date Sampled:						6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.5	0.5	0.5	0.119	ND (0.019)	0.245	ND (0.018)	0.108	ND (0.019)	0.235	ND (0.017)	0.151	ND (0.018)
Isophorone	78-59-1	mg/kg	-	100		ND (0.0077)	ND (0.0086)	ND (0.0082)	ND (0.0084)	ND (0.0077)	ND (0.0087)	ND (0.0075)	ND (0.0079)	ND (0.0077)	ND (0.0082)
2-Methylnaphthalene	91-57-6	mg/kg	-	0.41		ND (0.0082)	ND (0.0091)	0.0088 J	ND (0.0088)	ND (0.0081)	ND (0.0092)	ND (0.0079)	ND (0.0084)	ND (0.0081)	ND (0.0086)
2-Nitroaniline	88-74-4	mg/kg	-			ND (0.0085)	ND (0.0095)	ND (0.0090)	ND (0.0092)	ND (0.0085)	ND (0.0096)	ND (0.0083)	ND (0.0087)	ND (0.0085)	ND (0.0090)
3-Nitroaniline	99-09-2	mg/kg	-			ND (0.0090)	ND (0.010)	ND (0.0095)	ND (0.0098)	ND (0.0090)	ND (0.010)	ND (0.0088)	ND (0.0092)	ND (0.0090)	ND (0.0095)
4-Nitroaniline	100-01-6	mg/kg	-	-	-	ND (0.0093)	ND (0.010)	ND (0.0099)	ND (0.010)	ND (0.0093)	ND (0.011)	ND (0.0091)	ND (0.0096)	ND (0.0093)	ND (0.0099)
Naphthalene	91-20-3	mg/kg	12	100	100	ND (0.010)	ND (0.011)	0.0112 J	ND (0.011)	ND (0.010)	ND (0.012)	0.0130 J	ND (0.010)	ND (0.010)	ND (0.011)
Nitrobenzene	98-95-3	mg/kg	-	3.7	15	ND (0.014)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)
N-Nitroso-di-n-propylamine	621-64-7	mg/kg	-	-	-	ND (0.010)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)
N-Nitrosodiphenylamine	86-30-6	mg/kg	-			ND (0.013)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.015)	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)
Phenanthrene	85-01-8	mg/kg	100	100	100	0.304	ND (0.014)	0.874	ND (0.013)	0.151	ND (0.014)	0.286	ND (0.012)	0.478	ND (0.013)
Pyrene	129-00-0	mg/kg	100	100	100	0.43	ND (0.013)	1.08	ND (0.013)	0.299	ND (0.013)	1.01	ND (0.012)	0.585	ND (0.012)
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	-	-	-	ND (0.0092)	ND (0.010)	ND (0.0097)	ND (0.0099)	ND (0.0091)	ND (0.010)	ND (0.0089)	ND (0.0094)	ND (0.0091)	ND (0.0097)
<b>MS Semi-volatile TIC</b>															
Total TIC, Semi-Volatile		mg/kg	-	-	-	0.2 J	0	2.06 J	0	0.54 J	0	1.3 J	0	0.15 J	0
<b>GC/LC Semi-volatiles (SW846 8081B)</b>															
Aldrin	309-00-2	mg/kg	0.005	0.019	0.097	ND (0.00060)	ND (0.00066)	ND (0.00060)	ND (0.00065)	ND (0.00053)	ND (0.00066)	ND (0.00056)	ND (0.00057)	ND (0.00057)	ND (0.00063)
alpha-BHC	319-84-6	mg/kg	0.02	0.097	0.48	ND (0.00059)	ND (0.00066)	ND (0.00059)	ND (0.00064)	ND (0.00052)	ND (0.00065)	ND (0.00055)	ND (0.00056)	ND (0.00056)	ND (0.00062)
beta-BHC	319-85-7	mg/kg	0.036	0.072	0.36	ND (0.00065)	ND (0.00073)	ND (0.00065)	ND (0.00071)	ND (0.00058)	ND (0.00072)	ND (0.00061)	ND (0.00063)	ND (0.00063)	ND (0.00069)
delta-BHC	319-86-8	mg/kg	0.04	100	100	ND (0.00069)	ND (0.00077)	ND (0.00069)	ND (0.00076)	ND (0.00062)	ND (0.00077)	ND (0.00065)	ND (0.00067)	ND (0.00066)	ND (0.00073)
gamma-BHC (Lindane)	58-89-9	mg/kg	0.1	0.28	1.3	ND (0.00053)	ND (0.00059)	ND (0.00053)	ND (0.00058)	ND (0.00047)	ND (0.00059)	ND (0.00050)	ND (0.00051)	ND (0.00051)	ND (0.00056)
alpha-Chlordane	5103-71-9	mg/kg	0.094	0.91	4.2	0.0022	ND (0.00065)	ND (0.00058)	ND (0.00064)	0.0073 <sup>f</sup>	ND (0.00065)	0.0075 <sup>f</sup>	ND (0.00056)	ND (0.00056)	ND (0.00062)
gamma-Chlordane	5103-74-2	mg/kg	-	0.54		0.0019	ND (0.00037)	0.0011 <sup>f</sup>	ND (0.00036)	0.0053	ND (0.00036)	0.0057	ND (0.00031)	ND (0.00031)	ND (0.00035)
Chlordane (alpha and gamma)	57-74-9	mg/kg	-	-	-	0.0041	ND (0.00037)	0.0011	ND (0.00036)	0.0126	ND (0.00036)	0.0132	ND (0.00031)	ND (0.00031)	ND (0.00035)
Dieldrin	60-57-1	mg/kg	0.005	0.039	0.2	ND (0.00050)	ND (0.00055)	ND (0.00050)	ND (0.00054)	0.0012	ND (0.00055)	ND (0.00047)	ND (0.00048)	0.0010 <sup>f</sup>	ND (0.00052)
4,4'-DDD	72-54-8	mg/kg	0.0033	2.6	13	0.0014	ND (0.00074)	0.0010 <sup>f</sup>	ND (0.00072)	ND (0.00059)	ND (0.00074)	ND (0.00062)	ND (0.00064)	ND (0.00063)	ND (0.00070)
4,4'-DDE	72-55-9	mg/kg	0.0033	1.8	8.9	ND (0.00063)	ND (0.00071)	ND (0.00063)	ND (0.00069)	ND (0.00056)	ND (0.00070)	ND (0.00060)	ND (0.00061)	ND (0.00061)	ND (0.00067)
4,4'-DDT	50-29-3	mg/kg	0.0033	1.7	7.9	0.0031	ND (0.00071)	<b>0.0106</b>	ND (0.00070)	<b>0.0085</b>	ND (0.00071)	<b>0.0041</b>	ND (0.00062)	ND (0.00061)	ND (0.00068)
Endrin	72-20-8	mg/kg	0.014	2.2	11	ND (0.00056)	ND (0.00063)	ND (0.00056)	ND (0.00061)	ND (0.00050)	ND (0.00062)	ND (0.00053)	ND (0.00054)	ND (0.00054)	ND (0.00059)
Endosulfan sulfate	1031-07-8	mg/kg	2.4	4.8	24	ND (0.00057)	ND (0.00063)	ND (0.00056)	ND (0.00062)	ND (0.00050)	ND (0.00063)	ND (0.00053)	ND (0.00054)	ND (0.00054)	ND (0.00060)
Endrin aldehyde	7421-93-4	mg/kg	-	-	-	ND (0.00041)	ND (0.00046)	ND (0.00041)	ND (0.00045)	ND (0.00037)	ND (0.00045)	ND (0.00038)	ND (0.00039)	ND (0.00039)	ND (0.00043)
Endosulfan-I	959-98-8	mg/kg	2.4	4.8	24	ND (0.00042)	ND (0.00046)	ND (0.00042)	ND (0.00045)	ND (0.00037)	ND (0.00046)	ND (0.00039)	ND (0.00040)	ND (0.00040)	ND (0.00044)
Endosulfan-II	33213-65-9	mg/kg	2.4	4.8	24	ND (0.00045)	ND (0.00050)	ND (0.00045)	ND (0.00049)	ND (0.00040)	ND (0.00050)	ND (0.00042)	ND (0.00043)	ND (0.00043)	ND (0.00048)
Heptachlor	76-44-8	mg/kg	0.042	0.42	2.1	ND (0.00062)	ND (0.00069)	ND (0.00062)	ND (0.00068)	ND (0.00056)	ND (0.00069)	ND (0.00058)	ND (0.00060)	ND (0.00060)	ND (0.00066)
Heptachlor epoxide	1024-57-3	mg/kg	-	0.077		ND (0.00051)	ND (0.00056)	ND (0.00051)	ND (0.00055)	0.0013	ND (0.00056)	0.0013	ND (0.00049)	ND (0.00048)	ND (0.00053)
Methoxychlor	72-43-5	mg/kg	-	100		ND (0.00058)	ND (0.00064)	ND (0.00058)	ND (0.00063)	ND (0.00051)	ND (0.00064)	ND (0.00054)	ND (0.00055)	ND (0.00055)	ND (0.00061)
Endrin ketone	53494-70-5	mg/kg	-	-	-	ND (0.00052)	ND (0.00058)	ND (0.00052)	ND (0.00057)	ND (0.00047)	ND (0.00058)	ND (0.00049)	ND (0.00050)	ND (0.00050)	ND (0.00055)
Toxaphene	8001-35-2	mg/kg	-	-	-	ND (0.017)	ND (0.019)	ND (0.017)	ND (0.018)	ND (0.015)	ND (0.019)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.018)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-1 (3-5)	SB-1 (9-11)	SB-2 (1-3)	SB-2 (4-6)	SB-3 (3-5)	SB-3 (9-11)	SB-4 (2-4)	SB-4 (10-12)	SB-5 (3-5)	SB-5 (10-12)
Lab Sample ID:						JD26986-3 & JD26986-3A	JD26986-4	JD26986-5 & JD26986-5A	JD26986-6	JD26986-7 & JD26986-7A	JD26986-8	JD27065-3 & JD27065-3A	JD27065-4	JD27065-5 & JD27065-5A	JD27065-6
Date Sampled:						6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>GC/LC Semi-volatiles (SW846 8082A)</b>															
Aroclor 1016	12674-11-2	mg/kg	0.1	1	1	ND (0.017)	ND (0.019)	ND (0.017)	ND (0.018)	ND (0.015)	ND (0.019)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.018)
Aroclor 1221	11104-28-2	mg/kg	0.1	1	1	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.024)	ND (0.020)	ND (0.025)	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.024)
Aroclor 1232	11141-16-5	mg/kg	0.1	1	1	ND (0.023)	ND (0.026)	ND (0.023)	ND (0.025)	ND (0.021)	ND (0.026)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.024)
Aroclor 1242	53469-21-9	mg/kg	0.1	1	1	ND (0.015)	ND (0.017)	ND (0.015)	ND (0.016)	ND (0.013)	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.016)
Aroclor 1248	12672-29-6	mg/kg	0.1	1	1	ND (0.032)	ND (0.036)	ND (0.032)	ND (0.035)	ND (0.029)	ND (0.036)	ND (0.030)	ND (0.032)	ND (0.031)	ND (0.034)
Aroclor 1254	11097-69-1	mg/kg	0.1	1	1	ND (0.019)	ND (0.022)	ND (0.019)	ND (0.021)	ND (0.017)	ND (0.022)	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.021)
Aroclor 1260	11096-82-5	mg/kg	0.1	1	1	ND (0.015)	ND (0.017)	ND (0.015)	ND (0.017)	ND (0.014)	ND (0.017)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.016)
Aroclor 1268	11100-14-4	mg/kg	0.1	1	1	ND (0.015)	ND (0.017)	ND (0.015)	ND (0.017)	ND (0.014)	ND (0.017)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.016)
Aroclor 1262	37324-23-5	mg/kg	0.1	1	1	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.026)	ND (0.021)	ND (0.026)	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.025)
<b>Metals Analysis</b>															
Aluminum	7429-90-5	mg/kg	-			12500	18000	12000	19700	7970	8970	8570	8220	6140	15900
Antimony	7440-36-0	mg/kg	-			<2.3	<4.8 <sup>g</sup>	<2.3	<4.9 <sup>g</sup>	<2.2	<2.5	<2.3	<2.3	<2.3	<4.9 <sup>g</sup>
Arsenic	7440-38-2	mg/kg	13	16	16	2.7	<2.4	2.6	<4.9 <sup>g</sup>	2.4	<2.5	2.5	<2.3	<2.3	2.7
Barium	7440-39-3	mg/kg	350	350	400	115	89.5	93.7	78	94.8	62.4	71	53.6	63.3	78.2
Beryllium	7440-41-7	mg/kg	7.2	14	72	0.46	0.66 <sup>g</sup>	0.42	0.68 <sup>g</sup>	0.44	0.33	0.37	0.41	0.31	0.78 <sup>g</sup>
Cadmium	7440-43-9	mg/kg	2.5	2.5	4.3	<0.57	<0.60	<0.58	<0.61	<0.55	<0.64	<0.57	<0.56	<0.57	<0.61
Calcium	7440-70-2	mg/kg	-			5800	1190	7110	822	6020	1470	13600	1310	5170	1190
Chromium	7440-47-3	mg/kg	30	36	180	26.8	27.7	24.6	26.1	16.1	15.1	16.8	13	12.1	24.7
Cobalt	7440-48-4	mg/kg	-	30		8.2	<12 <sup>g</sup>	8	<12 <sup>g</sup>	6.3	6.8	6.3	6.3	<5.7	<12 <sup>g</sup>
Copper	7440-50-8	mg/kg	50	270	270	25.8	28	30.8	18.4 <sup>g</sup>	21.6	13.3	24.1	13.9	13.1	23.3
Iron	7439-89-6	mg/kg	-	2000		<b>18800</b>	<b>22900</b>	<b>18700</b>	<b>29200</b>	<b>17100</b>	<b>15700</b>	<b>13300</b>	<b>13400</b>	<b>11900</b>	<b>23300</b>
Lead	7439-92-1	mg/kg	63	400	400	<b>88.5</b>	7.5	<b>89.5</b>	9.1	<b>65.1</b>	4.1	<b>66</b>	3.8	14.9	7
Magnesium	7439-95-4	mg/kg	-	-	-	4990	5530	5480	4390	3880	3980	4740	3210	3790	5670
Manganese	7439-96-5	mg/kg	1600	2000	2000	283	284	315	404	264	327	246	282	189	255
Mercury	7439-97-6	mg/kg	0.18	0.81	0.81	0.042	<0.028	0.1	<0.027	0.066	<0.029	0.11	<0.026	0.052	<0.027
Nickel	7440-02-0	mg/kg	30	140	310	18.3	21.7	16.8	16	13.2	14	13.8	12.7	10.2	19.4
Potassium	7440-09-7	mg/kg	-	-	-	2290	3130	2480	1730	1780	2220	1660	1840	1610	3040
Selenium	7782-49-2	mg/kg	3.9	36	180	<2.3	<2.4	<2.3	<4.9 <sup>g</sup>	<2.2	<2.5	<2.3	<2.3	<2.3	<2.4
Silver	7440-22-4	mg/kg	2	36	180	0.71	<1.2 <sup>g</sup>	0.66	<1.2 <sup>g</sup>	<0.55	<0.64	<0.57	<0.56	<0.57	<0.61
Sodium	7440-23-5	mg/kg	-	-	-	1190	1480	<1200	1380	<1100	<1300	<1100	<1100	<1100	<1200
Thallium	7440-28-0	mg/kg	-			<1.1	<2.4 <sup>g</sup>	<1.2	<2.4 <sup>g</sup>	<1.1	<1.3	<1.1	<1.1	<1.1	<2.4 <sup>g</sup>
Vanadium	7440-62-2	mg/kg	-	100		30.3	35.1	30.5	40.2	21.9	21.7	19.4	18	16.7	35.2
Zinc	7440-66-6	mg/kg	109	2200	10000	94.8	51.7	94.7	50.7	78.5	36.4	60.3	27.9	29.1	47.3

**Table 3.1 - Soil Analytical Table  
June 21 - June 22, 2021  
1 Water Street, White Plains, NY  
Project No. 11936  
SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-1 (3-5)	SB-1 (9-11)	SB-2 (1-3)	SB-2 (4-6)	SB-3 (3-5)	SB-3 (9-11)	SB-4 (2-4)	SB-4 (10-12)	SB-5 (3-5)	SB-5 (10-12)
Lab Sample ID:						JD26986-3 & JD26986-3A	JD26986-4	JD26986-5 & JD26986-5A	JD26986-6	JD26986-7 & JD26986-7A	JD26986-8	JD27065-3 & JD27065-3A	JD27065-4	JD27065-5 & JD27065-5A	JD27065-6
Date Sampled:						6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>General Chemistry</b>															
Cyanide	57-12-5	mg/kg	27	27	27	<0.23	<0.25	<0.31	<0.24	<0.32	<0.31	<0.27	<0.25	<0.22	<0.27
Solids, Percent		%	-	-	-	90.3	81.1	87.5	82.8	92.4	81	92.1	87.8	92.1	85.2

**Additional Notes:**

mg/kg = Milligrams per kilogram

ND = Not Detected

URSCO = NY Unrestricted Use Soil Cleanup Objectives (6 NYCRR 375-6 12/06)

RSCO = NY Residential Use Soil Cleanup Objectives (10/10) (6 NYCRR 375-6 12/06)

RRSCO = NY Restricted Residential Use Soil Cleanup Objectives w/CP-51 (10/10) (6 NYCRR 375-6 12/06)

	= Concentration exceeds USCOs
	= Concentration exceeds RSCOs
	= Concentration exceeds RRSCO's

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-6 (2-4)	SB-6 (7-9)	SB-7 (3-5)	SB-7 (12-14)	SB-8 (2-4)	SB-8 (7-9)	SB-9 (3-5)	SB-9 (10-12)	SB-10(2-4)	SB-10(9-11)
Lab Sample ID:						JD27065-7 & JD27065-7A	JD27065-8	JD27065-9 & JD27065-9A	JD27065-10	JD27065-11 & JD27065-11A	JD27065-12	JD26986-9 & JD26986-9A	JD26986-10	JD26986-11 & JD26986-11A	JD26986-12
Date Sampled:						6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021
Matrix:	CAS#	Units				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>MS Volatiles (SW846 8260D)</b>															
Acetone	67-64-1	mg/kg	0.05	100	100	0.0043 J	0.0102	0.0095 J	<b>0.0581</b>	0.0165	0.0155	<b>0.107</b>	<b>0.0912</b>	0.0066 J	0.015
Benzene	71-43-2	mg/kg	0.06	2.9	4.8	ND (0.00047)	ND (0.00044)	ND (0.00049)	ND (0.00059)	ND (0.00046)	ND (0.00042)	ND (0.0013)	ND (0.00070)	ND (0.00067)	ND (0.00064)
Bromochloromethane	74-97-5	mg/kg	-	-	-	ND (0.00057)	ND (0.00055)	ND (0.00060)	ND (0.00072)	ND (0.00057)	ND (0.00052)	ND (0.0016)	ND (0.00086)	ND (0.00082)	ND (0.00079)
Bromodichloromethane	75-27-4	mg/kg	-	-	-	ND (0.00044)	ND (0.00042)	ND (0.00046)	ND (0.00055)	ND (0.00044)	ND (0.00040)	ND (0.0012)	ND (0.00066)	ND (0.00063)	ND (0.00060)
Bromoform	75-25-2	mg/kg	-	-	-	ND (0.0014)	ND (0.0013)	ND (0.0014)	ND (0.0018)	ND (0.0014)	ND (0.0013)	ND (0.0039)	ND (0.0021)	ND (0.0020)	ND (0.0019)
Bromomethane	74-83-9	mg/kg	-	-	-	ND (0.00078)	ND (0.00075)	ND (0.00081)	ND (0.00099)	ND (0.00078)	ND (0.00071)	ND (0.0022)	ND (0.0012)	ND (0.0011)	ND (0.0011)
2-Butanone (MEK)	78-93-3	mg/kg	0.12	100	100	ND (0.0025)	ND (0.0024)	ND (0.0026)	ND (0.0031)	ND (0.0025)	ND (0.0023)	ND (0.0070)	ND (0.0037)	ND (0.0036)	ND (0.0034)
Carbon disulfide	75-15-0	mg/kg	-	100		ND (0.00055)	ND (0.00052)	ND (0.00057)	ND (0.00069)	ND (0.00054)	ND (0.00050)	ND (0.0015)	0.0011 J	ND (0.00079)	ND (0.00075)
Carbon tetrachloride	56-23-5	mg/kg	0.76	1.4	2.4	ND (0.00063)	ND (0.00060)	ND (0.00066)	ND (0.00080)	ND (0.00063)	ND (0.00058)	ND (0.0018)	ND (0.00095)	ND (0.00091)	ND (0.00087)
Chlorobenzene	108-90-7	mg/kg	1.1	100	100	ND (0.00047)	ND (0.00045)	ND (0.00049)	ND (0.00059)	ND (0.00047)	ND (0.00043)	ND (0.0013)	ND (0.00071)	ND (0.00067)	ND (0.00064)
Chloroethane	75-00-3	mg/kg	-			ND (0.00061)	ND (0.00058)	ND (0.00063)	ND (0.00076)	ND (0.00060)	ND (0.00055)	ND (0.0017)	ND (0.00091)	ND (0.00087)	ND (0.00083)
Chloroform	67-66-3	mg/kg	0.37	10	49	ND (0.00053)	ND (0.00051)	ND (0.00055)	ND (0.00067)	ND (0.00053)	ND (0.00048)	ND (0.0015)	ND (0.00080)	ND (0.00076)	ND (0.00073)
Chloromethane	74-87-3	mg/kg	-	-	-	ND (0.0020)	ND (0.0019)	ND (0.0021)	ND (0.0025)	ND (0.0020)	ND (0.0018)	ND (0.0056)	ND (0.0030)	ND (0.0029)	ND (0.0028)
Cyclohexane	110-82-7	mg/kg	-	-	-	ND (0.00067)	ND (0.00064)	ND (0.00070)	ND (0.00085)	ND (0.00067)	ND (0.00061)	ND (0.0019)	ND (0.0010)	ND (0.00097)	ND (0.00092)
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	-	-	-	ND (0.00071)	ND (0.00068)	ND (0.00074)	ND (0.00090)	ND (0.00071)	ND (0.00065)	ND (0.0020)	ND (0.0011)	ND (0.0010)	ND (0.00097)
Dibromochloromethane	124-48-1	mg/kg	-			ND (0.00057)	ND (0.00055)	ND (0.00060)	ND (0.00072)	ND (0.00057)	ND (0.00052)	ND (0.0016)	ND (0.00086)	ND (0.00082)	ND (0.00079)
1,2-Dibromoethane	106-93-4	mg/kg	-	-	-	ND (0.00043)	ND (0.00041)	ND (0.00045)	ND (0.00054)	ND (0.00043)	ND (0.00039)	ND (0.0012)	ND (0.00065)	ND (0.00062)	ND (0.00059)
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	100	ND (0.00056)	ND (0.00053)	ND (0.00058)	ND (0.00070)	ND (0.00056)	ND (0.00051)	ND (0.0016)	ND (0.00084)	ND (0.00080)	ND (0.00077)
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	17	49	ND (0.00051)	ND (0.00049)	ND (0.00053)	ND (0.00064)	ND (0.00050)	ND (0.00046)	ND (0.0014)	ND (0.00076)	ND (0.00073)	ND (0.00070)
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	9.8	13	ND (0.00051)	ND (0.00048)	ND (0.00053)	ND (0.00064)	ND (0.00050)	ND (0.00046)	ND (0.0014)	ND (0.00076)	ND (0.00073)	ND (0.00069)
Dichlorodifluoromethane	75-71-8	mg/kg	-	-	-	ND (0.00074)	ND (0.00071)	ND (0.00077)	ND (0.00094)	ND (0.00074)	ND (0.00068)	ND (0.0021) <sup>a</sup>	ND (0.0011) <sup>a</sup>	ND (0.0011) <sup>a</sup>	ND (0.0010) <sup>a</sup>
1,1-Dichloroethane	75-34-3	mg/kg	0.27	19	26	ND (0.00051)	ND (0.00048)	ND (0.00053)	ND (0.00064)	ND (0.00050)	ND (0.00046)	ND (0.0014)	ND (0.00076)	ND (0.00073)	ND (0.00070)
1,2-Dichloroethane	107-06-2	mg/kg	0.02	2.3	3.1	ND (0.00048)	ND (0.00046)	ND (0.00050)	ND (0.00061)	ND (0.00048)	ND (0.00044)	ND (0.0013)	ND (0.00072)	ND (0.00069)	ND (0.00066)
1,1-Dichloroethene	75-35-4	mg/kg	0.33	100	100	ND (0.00067)	ND (0.00064)	ND (0.00070)	ND (0.00084)	ND (0.00067)	ND (0.00061)	ND (0.0019)	ND (0.0010)	ND (0.00096)	ND (0.00092)
cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	59	100	ND (0.00086)	ND (0.00082)	ND (0.00090)	ND (0.0011)	ND (0.00085)	ND (0.00078)	ND (0.0024)	ND (0.0013)	ND (0.0012)	ND (0.0012)
trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	100	100	ND (0.00063)	ND (0.00060)	ND (0.00065)	ND (0.00079)	ND (0.00062)	ND (0.00057)	ND (0.0018)	ND (0.00094)	ND (0.00090)	ND (0.00086)
1,2-Dichloropropane	78-87-5	mg/kg	-			ND (0.00048)	ND (0.00046)	ND (0.00050)	ND (0.00061)	ND (0.00048)	ND (0.00044)	ND (0.0014)	ND (0.00073)	ND (0.00070)	ND (0.00066)
cis-1,3-Dichloropropene	10061-01-5	mg/kg	-	-	-	ND (0.00049)	ND (0.00046)	ND (0.00051)	ND (0.00061)	ND (0.00048)	ND (0.00044)	ND (0.0014)	ND (0.00073)	ND (0.00070)	ND (0.00067)
trans-1,3-Dichloropropene	10061-02-6	mg/kg	-	-	-	ND (0.00047)	ND (0.00045)	ND (0.00049)	ND (0.00059)	ND (0.00046)	ND (0.00043)	ND (0.0013)	ND (0.00070)	ND (0.00067)	ND (0.00064)
Ethylbenzene	100-41-4	mg/kg	1	30	41	ND (0.00046)	ND (0.00044)	ND (0.00048)	ND (0.00058)	ND (0.00046)	ND (0.00042)	ND (0.0013)	ND (0.00070)	ND (0.00067)	ND (0.00064)
Freon 113	76-13-1	mg/kg	-	100		ND (0.0027)	ND (0.0026)	ND (0.0028)	ND (0.0034)	ND (0.0027)	ND (0.0025)	ND (0.0077)	ND (0.0041)	ND (0.0039)	ND (0.0037)
2-Hexanone	591-78-6	mg/kg	-	-	-	ND (0.0022)	ND (0.0021)	ND (0.0023)	ND (0.0027)	ND (0.0022)	ND (0.0020)	ND (0.0061)	ND (0.0033)	ND (0.0031)	ND (0.0030)
Isopropylbenzene	98-82-8	mg/kg	-	100		ND (0.0015)	ND (0.0014)	ND (0.0015)	ND (0.0018)	ND (0.0014)	ND (0.0013)	ND (0.0041)	ND (0.0022)	ND (0.0021)	ND (0.0020)
Methyl Acetate	79-20-9	mg/kg	-	-	-	ND (0.0014)	ND (0.0014)	ND (0.0015)	ND (0.0018)	ND (0.0014)	ND (0.0013)	ND (0.0040)	ND (0.0021)	ND (0.0020)	ND (0.0020)
Methylcyclohexane	108-87-2	mg/kg	-	-	-	ND (0.00090)	ND (0.00086)	ND (0.00093)	ND (0.0011)	ND (0.00089)	ND (0.00082)	ND (0.0025)	ND (0.0013)	ND (0.0013)	ND (0.0012)
Methyl Tert Butyl Ether	1634-04-4	mg/kg	0.93	62	100	ND (0.00048)	ND (0.00046)	ND (0.00050)	ND (0.00061)	ND (0.00048)	ND (0.00044)	ND (0.0013)	ND (0.00072)	ND (0.00069)	ND (0.00066)
4-Methyl-2-pentanone(MIBK)	108-10-1	mg/kg	-			ND (0.0023)	ND (0.0022)	ND (0.0024)	ND (0.0029)	ND (0.0023)	ND (0.0021)	ND (0.0065)	ND (0.0035)	ND (0.0033)	ND (0.0032)
Methylene chloride	75-09-2	mg/kg	0.05	51	100	ND (0.0027)	0.0051	ND (0.0028)	ND (0.0034)	ND (0.0027)	0.0025 J	ND (0.0075)	ND (0.0040)	ND (0.0038)	ND (0.0037)
Styrene	100-42-5	mg/kg	-			ND (0.00041)	ND (0.00039)	ND (0.00043)	ND (0.00052)	ND (0.00041)	ND (0.00038)	ND (0.0012)	ND (0.00062)	ND (0.00059)	ND (0.00056)
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	-	35		ND (0.00061)	ND (0.00059)	ND (0.00064)	ND (0.00077)	ND (0.00061)	ND (0.00056)	ND (0.0017)	ND (0.00092)	ND (0.00088)	ND (0.00084)
Tetrachloroethene	127-18-4	mg/kg	1.3	5.5	19	ND (0.00059)	ND (0.00057)	ND (0.00062)	ND (0.00075)	ND (0.00059)	ND (0.00054)	ND (0.0017)	ND (0.00089)	ND (0.00085)	ND (0.00081)
Toluene	108-88-3	mg/kg	0.7	100	100	ND (0.00054)	ND (0.00051)	ND (0.00056)	ND (0.00068)	ND (0.00053)	ND (0.00049)	ND (0.0015)	ND (0.00081)	ND (0.00077)	ND (0.00074)
1,2,3-Trichlorobenzene	87-61-6	mg/kg	-			ND (0.0026)	ND (0.0024)	ND (0.0027)	ND (0.0032)	ND (0.0025)	ND (0.0023)	ND (0.0072)	ND (0.0038)	ND (0.0037)	ND (0.0035)
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	100	ND (0.00049)	ND (0.00047)	ND (0.00051)	ND (0.00062)	ND (0.00049)	ND (0.00045)	ND (0.0014)	ND (0.00074)	ND (0.00071)	ND (0.00068)
1,1,2-Trichloroethane	79-00-5	mg/kg	-	-	-	ND (0.00057)	ND (0.00054)	ND (0.00059)	ND (0.00071)	ND (0.00056)	ND (0.00052)	ND (0.0016)	ND (0.00085)	ND (0.00081)	ND (0.00078)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-6 (2-4)	SB-6 (7-9)	SB-7 (3-5)	SB-7 (12-14)	SB-8 (2-4)	SB-8 (7-9)	SB-9 (3-5)	SB-9 (10-12)	SB-10(2-4)	SB-10(9-11)
Lab Sample ID:						JD27065-7 & JD27065-7A	JD27065-8	JD27065-9 & JD27065-9A	JD27065-10	JD27065-11 & JD27065-11A	JD27065-12	JD26986-9 & JD26986-9A	JD26986-10	JD26986-11 & JD26986-11A	JD26986-12
Date Sampled:						6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021
Matrix:	CAS#	Units				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Trichloroethene	79-01-6	mg/kg	0.47	10	21	ND (0.00078)	ND (0.00075)	ND (0.00081)	ND (0.00098)	ND (0.00078)	ND (0.00071)	ND (0.0022)	ND (0.0012)	ND (0.0011)	ND (0.0011)
Trichlorofluoromethane	75-69-4	mg/kg	-	-	-	ND (0.00070)	ND (0.00067)	ND (0.00073)	ND (0.00088)	ND (0.00070)	ND (0.00064)	ND (0.0020)	ND (0.0011)	ND (0.0010)	ND (0.00096)
Vinyl chloride	75-01-4	mg/kg	0.02	0.21	0.9	ND (0.00049)	ND (0.00047)	ND (0.00051)	ND (0.00062)	ND (0.00049)	ND (0.00045)	ND (0.0014)	ND (0.00074)	ND (0.00071)	ND (0.00068)
m,p-Xylene		mg/kg	0.26	100	100	ND (0.00092)	ND (0.00088)	ND (0.00096)	ND (0.0012)	ND (0.00091)	ND (0.00084)	ND (0.0026)	ND (0.0014)	ND (0.0013)	ND (0.0013)
o-Xylene	95-47-6	mg/kg	0.26	100	100	ND (0.00047)	ND (0.00045)	ND (0.00049)	ND (0.00059)	ND (0.00047)	ND (0.00043)	ND (0.0013)	ND (0.00070)	ND (0.00067)	ND (0.00064)
Xylene (total)	1330-20-7	mg/kg	0.26	100	100	ND (0.00047)	ND (0.00045)	ND (0.00049)	ND (0.00059)	ND (0.00047)	ND (0.00043)	ND (0.0013)	ND (0.00070)	ND (0.00067)	ND (0.00064)
<b>MS Volatile TIC</b>															
Total TIC, Volatile		mg/kg	-	-	-	0	0	0	0	0.0062 J	0.0048 J	0.927 J	0.0173 J	0	0
<b>MS Semi-volatiles (EPA 537M BY ID)</b>															
Perfluorobutanoic acid	375-22-4	ug/kg	-	-	-	ND (0.40)	-	ND (0.42)	-	ND (0.39)	-	ND (0.43)	-	ND (0.39)	-
Perfluoropentanoic acid	2706-90-3	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorohexanoic acid	307-24-4	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluoroheptanoic acid	375-85-9	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorooctanoic acid (PFOA)	335-67-1	ug/kg	0.66	6.6	33	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorononanoic acid	375-95-1	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorodecanoic acid	335-76-2	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluoroundecanoic acid	2058-94-8	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorododecanoic acid	307-55-1	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorotridecanoic acid	72629-94-8	ug/kg	-	-	-	ND (0.28)	-	ND (0.29)	-	ND (0.27)	-	ND (0.30)	-	ND (0.27)	-
Perfluorotetradecanoic acid	376-06-7	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorobutanesulfonic acid	375-73-5	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorohexanesulfonic acid	355-46-4	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluoroheptanesulfonic acid	375-92-8	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ug/kg	0.88	8.8	44	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
Perfluorodecanesulfonic acid	335-77-3	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
PFOSA	754-91-6	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28) <sup>b</sup>	-	ND (0.26)	-
MeFOSAA	2355-31-9	ug/kg	-	-	-	ND (0.53)	-	ND (0.55)	-	ND (0.51)	-	ND (0.56)	-	ND (0.52)	-
EtFOSAA	2991-50-6	ug/kg	-	-	-	ND (0.53)	-	ND (0.55)	-	ND (0.51)	-	ND (0.56)	-	ND (0.52)	-
6:2 Fluorotelomer sulfonate	27619-97-2	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
8:2 Fluorotelomer sulfonate	39108-34-4	ug/kg	-	-	-	ND (0.26)	-	ND (0.28)	-	ND (0.25)	-	ND (0.28)	-	ND (0.26)	-
<b>MS Semi-volatiles (SW846 8270E)</b>															
2-Chlorophenol	95-57-8	mg/kg	-	100		ND (0.017)	ND (0.018)	ND (0.018)	ND (0.021)	ND (0.018)	ND (0.018)	ND (0.036)	ND (0.020)	ND (0.018)	ND (0.019)
4-Chloro-3-methyl phenol	59-50-7	mg/kg	-	-	-	ND (0.021)	ND (0.022)	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.023)	ND (0.045)	ND (0.024)	ND (0.022)	ND (0.024)
2,4-Dichlorophenol	120-83-2	mg/kg	-	100		ND (0.030)	ND (0.030)	ND (0.031)	ND (0.035)	ND (0.031)	ND (0.032)	ND (0.062)	ND (0.034)	ND (0.031)	ND (0.033)
2,4-Dimethylphenol	105-67-9	mg/kg	-	-	-	ND (0.062)	ND (0.063)	ND (0.064)	ND (0.074)	ND (0.064)	ND (0.066)	ND (0.13)	ND (0.071)	ND (0.065)	ND (0.068)
2,4-Dinitrophenol	51-28-5	mg/kg	-	100		ND (0.13)	ND (0.13)	ND (0.14)	ND (0.16)	ND (0.14)	ND (0.14)	ND (0.27)	ND (0.15)	ND (0.14)	ND (0.14)
4,6-Dinitro-o-cresol	534-52-1	mg/kg	-	-	-	ND (0.037)	ND (0.038)	ND (0.039)	ND (0.044)	ND (0.038)	ND (0.040)	ND (0.078)	ND (0.042)	ND (0.039)	ND (0.041)
2-Methylphenol	95-48-7	mg/kg	0.33	100	100	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.027)	ND (0.023)	ND (0.024)	ND (0.047)	ND (0.025)	ND (0.023)	ND (0.024)
3&4-Methylphenol		mg/kg	-	-	-	ND (0.029)	ND (0.029)	ND (0.030)	ND (0.034)	ND (0.030)	ND (0.031)	ND (0.060)	ND (0.033)	ND (0.030)	ND (0.032)
2-Nitrophenol	88-75-5	mg/kg	-			ND (0.023)	ND (0.023)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.048)	ND (0.026)	ND (0.024)	ND (0.025)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-6 (2-4)	SB-6 (7-9)	SB-7 (3-5)	SB-7 (12-14)	SB-8 (2-4)	SB-8 (7-9)	SB-9 (3-5)	SB-9 (10-12)	SB-10(2-4)	SB-10(9-11)
Lab Sample ID:						JD27065-7 & JD27065-7A	JD27065-8	JD27065-9 & JD27065-9A	JD27065-10	JD27065-11 & JD27065-11A	JD27065-12	JD26986-9 & JD26986-9A	JD26986-10	JD26986-11 & JD26986-11A	JD26986-12
Date Sampled:						6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021
Matrix:	CAS#	Units				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
4-Nitrophenol	100-02-7	mg/kg	-			ND (0.094) °	ND (0.095) °	ND (0.096) °	ND (0.11) °	ND (0.096) °	ND (0.10) °	ND (0.20)	ND (0.11)	ND (0.097)	ND (0.10)
Pentachlorophenol	87-86-5	mg/kg	0.8	2.4	6.7	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.039)	ND (0.034)	ND (0.035)	ND (0.069)	ND (0.037)	ND (0.034)	ND (0.036)
Phenol	108-95-2	mg/kg	0.33	100	100	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.022)	ND (0.019)	ND (0.019)	ND (0.038)	ND (0.021)	ND (0.019)	ND (0.020)
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	-	-	-	ND (0.023)	ND (0.023)	ND (0.024)	ND (0.028)	ND (0.024)	ND (0.025)	ND (0.048) <sup>d</sup>	ND (0.026) <sup>d</sup>	ND (0.024) <sup>d</sup>	ND (0.025) <sup>d</sup>
2,4,5-Trichlorophenol	95-95-4	mg/kg	-	100		ND (0.026)	ND (0.027)	ND (0.027)	ND (0.031)	ND (0.027)	ND (0.028)	ND (0.055)	ND (0.030)	ND (0.027)	ND (0.029)
2,4,6-Trichlorophenol	88-06-2	mg/kg	-			ND (0.021)	ND (0.021)	ND (0.022)	ND (0.025)	ND (0.021)	ND (0.022)	ND (0.044)	ND (0.024)	ND (0.022)	ND (0.023)
Acenaphthene	83-32-9	mg/kg	20	100	100	0.106	ND (0.012)	0.0633	ND (0.014)	0.353	ND (0.013)	0.256	0.073	ND (0.013)	ND (0.013)
Acenaphthylene	208-96-8	mg/kg	100	100	100	0.0183 J	ND (0.018)	0.0209 J	ND (0.021)	0.34	ND (0.019)	0.121 <sup>e</sup>	0.0823 <sup>e</sup>	ND (0.018) <sup>d</sup>	ND (0.019) <sup>d</sup>
Acetophenone	98-86-2	mg/kg	-	-	-	ND (0.0075)	ND (0.0076)	ND (0.0078)	ND (0.0089)	0.0085 J	ND (0.0080)	ND (0.016)	ND (0.0085)	ND (0.0078)	ND (0.0082)
Anthracene	120-12-7	mg/kg	100	100	100	0.168	0.0725	0.168	ND (0.025)	0.885	0.0234 J	0.38	0.154	ND (0.022)	ND (0.024)
Atrazine	1912-24-9	mg/kg	-	-	-	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.018)	ND (0.015)	ND (0.016)	ND (0.031)	ND (0.017)	ND (0.016)	ND (0.016)
Benzo(a)anthracene	56-55-3	mg/kg	1	1	1	0.619	0.226	0.565	ND (0.012)	1.9	0.079	0.969	0.416	0.0626	ND (0.011)
Benzo(a)pyrene	50-32-8	mg/kg	1	1	1	0.567	0.211	0.454	ND (0.019)	1.66	0.0743	0.958	0.415	0.0676	ND (0.017)
Benzo(b)fluoranthene	205-99-2	mg/kg	1	1	1	0.788	0.284	0.586	ND (0.018)	1.81	0.0887	1.2	0.556	0.0885	ND (0.017)
Benzo(g,h,i)perylene	191-24-2	mg/kg	100	100	100	0.326	0.148	0.314	ND (0.021)	0.909	0.0562	0.611	0.286	0.0386	ND (0.019)
Benzo(k)fluoranthene	207-08-9	mg/kg	0.8	1	3.9	0.314	0.11	0.214	ND (0.019)	0.58	0.0423	0.448	0.171	0.0239 J	ND (0.018)
4-Bromophenyl phenyl ether	101-55-3	mg/kg	-	-	-	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)	ND (0.028)	ND (0.015)	ND (0.014)	ND (0.015)
Butyl benzyl phthalate	85-68-7	mg/kg	-	100		ND (0.0085)	ND (0.0086)	ND (0.0088)	ND (0.010)	ND (0.0088)	ND (0.0091)	ND (0.018)	ND (0.0097)	ND (0.0089)	ND (0.0094)
1,1'-Biphenyl	92-52-4	mg/kg	-			0.0091 J	0.0054 J	0.0065 J	ND (0.0057)	0.0340 J	ND (0.0051)	0.114 J	0.0490 J	ND (0.0050)	ND (0.0053)
Benzaldehyde	100-52-7	mg/kg	-	-	-	ND (0.0087)	ND (0.0088)	ND (0.0090)	ND (0.010)	ND (0.0089)	ND (0.0093)	ND (0.018)	ND (0.0098)	ND (0.0090)	ND (0.0095)
2-Chloronaphthalene	91-58-7	mg/kg	-	-	-	ND (0.0083)	ND (0.0084)	ND (0.0086)	ND (0.0099)	ND (0.0085)	ND (0.0089)	ND (0.017)	ND (0.0094)	ND (0.0086)	ND (0.0091)
4-Chloroaniline	106-47-8	mg/kg	-	100		ND (0.013)	ND (0.013)	ND (0.013)	ND (0.015)	ND (0.013)	ND (0.013)	ND (0.026)	ND (0.014)	ND (0.013)	ND (0.014)
Carbazole	86-74-8	mg/kg	-	-	-	0.125	0.0331 J	0.0309 J	ND (0.0060)	0.159	0.0077 J	0.237	0.0758 J	0.0080 J	ND (0.0056)
Caprolactam	105-60-2	mg/kg	-	-	-	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.029) <sup>d</sup>	ND (0.016) <sup>d</sup>	ND (0.014) <sup>d</sup>	ND (0.015) <sup>d</sup>
Chrysene	218-01-9	mg/kg	1	1	3.9	0.701	0.214	0.582	ND (0.013)	2.55	0.0846	1.21	0.475	0.0582	ND (0.012)
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	-	-	-	ND (0.0075)	ND (0.0076)	ND (0.0077)	ND (0.0089)	ND (0.0077)	ND (0.0080)	ND (0.016)	ND (0.0085)	ND (0.0078)	ND (0.0082)
bis(2-Chloroethyl)ether	111-44-4	mg/kg	-	-	-	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.018)	ND (0.015)	ND (0.016)	ND (0.032)	ND (0.017)	ND (0.016)	ND (0.017)
2,2'-Oxybis(1-chloropropane)	108-60-1	mg/kg	-	-	-	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.015)	ND (0.013)	ND (0.013)	ND (0.026) <sup>d</sup>	ND (0.014) <sup>d</sup>	ND (0.013) <sup>d</sup>	ND (0.014) <sup>d</sup>
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	-	-	-	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.024)	ND (0.013)	ND (0.012)	ND (0.012)
2,4-Dinitrotoluene	121-14-2	mg/kg	-	-	-	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.012)	ND (0.023)	ND (0.012)	ND (0.011)	ND (0.012)
2,6-Dinitrotoluene	606-20-2	mg/kg	-	1.03		ND (0.018)	ND (0.018)	ND (0.018)	ND (0.021)	ND (0.018)	ND (0.019)	ND (0.037)	ND (0.020)	ND (0.018)	ND (0.019)
3,3'-Dichlorobenzidine	91-94-1	mg/kg	-	-	-	ND (0.029)	ND (0.030)	ND (0.030)	ND (0.035)	ND (0.030)	ND (0.031)	ND (0.061)	ND (0.033)	ND (0.030)	ND (0.032)
1,4-Dioxane	123-91-1	mg/kg	0.1	9.8	13	ND (0.023)	ND (0.023)	ND (0.024)	ND (0.027)	ND (0.024)	ND (0.025)	ND (0.048) <sup>d</sup>	ND (0.026) <sup>d</sup>	ND (0.024) <sup>d</sup>	ND (0.025) <sup>d</sup>
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.33	0.33	0.33	0.108	0.0318 J	0.0892	ND (0.018)	0.272	ND (0.017)	0.173	0.0669	ND (0.016)	ND (0.017)
Dibenzofuran	132-64-9	mg/kg	7	14	59	0.0529 J	0.0157 J	0.0343 J	ND (0.017)	0.183	ND (0.015)	0.181	0.0555 J	ND (0.015)	ND (0.016)
Di-n-butyl phthalate	84-74-2	mg/kg	-	100		ND (0.0057)	ND (0.0058)	ND (0.0059)	ND (0.0068)	ND (0.0059)	ND (0.0061)	ND (0.012)	ND (0.0065)	ND (0.0059)	ND (0.0062)
Di-n-octyl phthalate	117-84-0	mg/kg	-	100		ND (0.0087)	ND (0.0088)	ND (0.0090)	ND (0.010)	ND (0.0089)	ND (0.0093)	ND (0.018) <sup>c</sup>	ND (0.0099) <sup>c</sup>	ND (0.0090) <sup>c</sup>	ND (0.0095) <sup>c</sup>
Diethyl phthalate	84-66-2	mg/kg	-	100		ND (0.0075)	ND (0.0076)	ND (0.0077)	ND (0.0089)	ND (0.0076)	ND (0.0080)	ND (0.016)	ND (0.0084)	ND (0.0077)	ND (0.0082)
Dimethyl phthalate	131-11-3	mg/kg	-	100		ND (0.0062)	ND (0.0063)	ND (0.0064)	ND (0.0074)	ND (0.0064)	ND (0.0066)	ND (0.013)	ND (0.0071)	ND (0.0065)	ND (0.0068)
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	-	50		ND (0.0082)	ND (0.0083)	ND (0.0085)	ND (0.0097)	ND (0.0084)	ND (0.0087)	ND (0.017)	ND (0.0093)	ND (0.0085)	ND (0.0090)
Fluoranthene	206-44-0	mg/kg	100	100	100	1.29	0.464	0.943	ND (0.019)	3.53	0.147	2.34	0.817	0.103	ND (0.017)
Fluorene	86-73-7	mg/kg	30	100	100	0.0751	0.0303 J	0.0573	ND (0.019)	0.559	ND (0.017)	0.44	0.105	ND (0.017)	ND (0.018)
Hexachlorobenzene	118-74-1	mg/kg	0.33	0.41	1.2	ND (0.0089)	ND (0.0090)	ND (0.0091)	ND (0.011)	ND (0.0091)	ND (0.0094)	ND (0.019)	ND (0.010)	ND (0.0092)	ND (0.0097)
Hexachlorobutadiene	87-68-3	mg/kg	-	-	-	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.017)	ND (0.014)	ND (0.015)	ND (0.029)	ND (0.016)	ND (0.015)	ND (0.015)
Hexachlorocyclopentadiene	77-47-4	mg/kg	-			ND (0.014)	ND (0.014)	ND (0.014)	ND (0.017)	ND (0.014)	ND (0.015)	ND (0.029) <sup>d</sup>	ND (0.016) <sup>d</sup>	ND (0.014) <sup>d</sup>	ND (0.015) <sup>d</sup>
Hexachloroethane	67-72-1	mg/kg	-	-	-	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.021)	ND (0.018)	ND (0.018)	ND (0.036)	ND (0.020)	ND (0.018)	ND (0.019)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-6 (2-4)	SB-6 (7-9)	SB-7 (3-5)	SB-7 (12-14)	SB-8 (2-4)	SB-8 (7-9)	SB-9 (3-5)	SB-9 (10-12)	SB-10(2-4)	SB-10(9-11)
Lab Sample ID:						JD27065-7 & JD27065-7A	JD27065-8	JD27065-9 & JD27065-9A	JD27065-10	JD27065-11 & JD27065-11A	JD27065-12	JD26986-9 & JD26986-9A	JD26986-10	JD26986-11 & JD26986-11A	JD26986-12
Date Sampled:						6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021
Matrix:	CAS#	Units				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.5	0.5	0.5	0.408	0.163	0.351	ND (0.020)	1.02	0.0525	0.575	0.262	0.0403	ND (0.018)
Isophorone	78-59-1	mg/kg	-	100		ND (0.0075)	ND (0.0076)	ND (0.0077)	ND (0.0089)	ND (0.0077)	ND (0.0080)	ND (0.016)	ND (0.0085)	ND (0.0078)	ND (0.0082)
2-Methylnaphthalene	91-57-6	mg/kg	-	0.41		0.0151 J	ND (0.0080)	0.0347 J	ND (0.0094)	0.107	ND (0.0084)	0.274	0.118	0.010 J	ND (0.0087)
2-Nitroaniline	88-74-4	mg/kg	-			ND (0.0083)	ND (0.0084)	ND (0.0085)	ND (0.0098)	ND (0.0085)	ND (0.0088)	ND (0.017)	ND (0.0094)	ND (0.0086)	ND (0.0090)
3-Nitroaniline	99-09-2	mg/kg	-			ND (0.0088)	ND (0.0089)	ND (0.0090)	ND (0.010)	ND (0.0090)	ND (0.0093)	ND (0.018)	ND (0.0099)	ND (0.0091)	ND (0.0096)
4-Nitroaniline	100-01-6	mg/kg	-	-	-	ND (0.0091)	ND (0.0092)	ND (0.0094)	ND (0.011)	ND (0.0093)	ND (0.0097)	ND (0.019)	ND (0.010)	ND (0.0094)	ND (0.0099)
Naphthalene	91-20-3	mg/kg	12	100	100	0.0236 J	0.0168 J	0.0148 J	ND (0.012)	0.116	ND (0.011)	0.134	0.0744	ND (0.010)	ND (0.011)
Nitrobenzene	98-95-3	mg/kg	-	3.7	15	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.014)	ND (0.028)	ND (0.015)	ND (0.014)	ND (0.015)
N-Nitroso-di-n-propylamine	621-64-7	mg/kg	-	-	-	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.012)	ND (0.010)	ND (0.011)	ND (0.021)	ND (0.011)	ND (0.010)	ND (0.011)
N-Nitrosodiphenylamine	86-30-6	mg/kg	-			ND (0.013)	ND (0.013)	ND (0.013)	ND (0.015)	ND (0.013)	ND (0.014)	ND (0.027)	ND (0.015)	ND (0.013)	ND (0.014)
Phenanthrene	85-01-8	mg/kg	100	100	100	1.07	0.302	0.893	ND (0.014)	4.45	0.0963	3.17	0.738	0.068	ND (0.013)
Pyrene	129-00-0	mg/kg	100	100	100	1.22	0.415	1.13	ND (0.013)	4.47	0.154	2.38	0.854	0.107	ND (0.012)
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	-	-	-	ND (0.0089)	ND (0.0090)	ND (0.0092)	ND (0.011)	ND (0.0091)	ND (0.0095)	ND (0.019)	ND (0.010)	ND (0.0092)	ND (0.0097)
<b>MS Semi-volatile TIC</b>															
Total TIC, Semi-Volatile		mg/kg	-	-	-	2.22 J	0.16 J	1.88 J	0.22 J	13.44 J	0	52.4 J	11.62 J	0	0
<b>GC/LC Semi-volatiles (SW846 8081B)</b>															
Aldrin	309-00-2	mg/kg	0.005	0.019	0.097	ND (0.00057)	ND (0.00059)	ND (0.00057)	ND (0.00065)	ND (0.00056)	ND (0.00062)	ND (0.00061)	ND (0.00064)	ND (0.00058)	ND (0.00064)
alpha-BHC	319-84-6	mg/kg	0.02	0.097	0.48	ND (0.00057)	ND (0.00059)	ND (0.00057)	ND (0.00064)	ND (0.00055)	ND (0.00061)	ND (0.00061)	ND (0.00063)	ND (0.00057)	ND (0.00063)
beta-BHC	319-85-7	mg/kg	0.036	0.072	0.36	ND (0.00063)	ND (0.00065)	ND (0.00063)	ND (0.00071)	ND (0.00061)	ND (0.00068)	ND (0.00067)	ND (0.00070)	ND (0.00063)	ND (0.00070)
delta-BHC	319-86-8	mg/kg	0.04	100	100	ND (0.00067)	ND (0.00069)	ND (0.00067)	ND (0.00076)	ND (0.00065)	ND (0.00072)	ND (0.00072)	ND (0.00075)	ND (0.00067)	ND (0.00075)
gamma-BHC (Lindane)	58-89-9	mg/kg	0.1	0.28	1.3	ND (0.00051)	ND (0.00053)	ND (0.00051)	ND (0.00058)	ND (0.00050)	ND (0.00056)	ND (0.00055)	ND (0.00057)	ND (0.00052)	ND (0.00057)
alpha-Chlordane	5103-71-9	mg/kg	0.094	0.91	4.2	ND (0.00056)	ND (0.00058)	ND (0.00056)	ND (0.00064)	ND (0.00055)	ND (0.00061)	ND (0.00060)	0.0028	0.0044 <sup>f</sup>	ND (0.00063)
gamma-Chlordane	5103-74-2	mg/kg	-	0.54		ND (0.00032)	ND (0.00033)	ND (0.00032)	ND (0.00036)	ND (0.00031)	ND (0.00034)	0.0016 <sup>f</sup>	0.0024	0.0026	ND (0.00035)
Chlordane (alpha and gamma)	57-74-9	mg/kg	-	-	-	ND (0.00032)	ND (0.00033)	ND (0.00032)	ND (0.00036)	ND (0.00031)	ND (0.00034)	0.0016	0.0052	0.0071	ND (0.00035)
Dieldrin	60-57-1	mg/kg	0.005	0.039	0.2	0.0022 <sup>f</sup>	0.0014 <sup>f</sup>	0.0012 <sup>f</sup>	ND (0.00054)	0.0014 <sup>f</sup>	ND (0.00052)	ND (0.00051)	ND (0.00054)	ND (0.00048)	ND (0.00054)
4,4'-DDD	72-54-8	mg/kg	0.0033	2.6	13	ND (0.00064)	ND (0.00066)	ND (0.00064)	ND (0.00073)	ND (0.00062)	ND (0.00069)	0.0031 <sup>f</sup>	0.0028	0.0023	ND (0.00072)
4,4'-DDE	72-55-9	mg/kg	0.0033	1.8	8.9	ND (0.00061)	ND (0.00063)	ND (0.00061)	ND (0.00069)	ND (0.00059)	ND (0.00066)	ND (0.00065)	ND (0.00068)	ND (0.00062)	ND (0.00068)
4,4'-DDT	50-29-3	mg/kg	0.0033	1.7	7.9	ND (0.00062)	0.0043	ND (0.00062)	ND (0.00070)	0.003	ND (0.00067)	ND (0.00066)	0.0016 <sup>f</sup>	0.0014 <sup>f</sup>	ND (0.00069)
Endrin	72-20-8	mg/kg	0.014	2.2	11	ND (0.00054)	ND (0.00056)	ND (0.00054)	ND (0.00061)	ND (0.00053)	ND (0.00059)	ND (0.00058)	ND (0.00061)	ND (0.00055)	ND (0.00061)
Endosulfan sulfate	1031-07-8	mg/kg	2.4	4.8	24	ND (0.00054)	ND (0.00056)	ND (0.00054)	ND (0.00062)	ND (0.00053)	ND (0.00059)	ND (0.00058)	ND (0.00061)	ND (0.00055)	ND (0.00061)
Endrin aldehyde	7421-93-4	mg/kg	-	-	-	ND (0.00039)	0.0441	ND (0.00040)	ND (0.00045)	ND (0.00038)	ND (0.00043)	ND (0.00042)	ND (0.00044)	ND (0.00040)	ND (0.00044)
Endosulfan-I	959-98-8	mg/kg	2.4	4.8	24	ND (0.00040)	ND (0.00042)	ND (0.00040)	ND (0.00046)	ND (0.00039)	ND (0.00043)	ND (0.00043)	ND (0.00045)	ND (0.00040)	ND (0.00045)
Endosulfan-II	33213-65-9	mg/kg	2.4	4.8	24	ND (0.00043)	ND (0.00045)	ND (0.00044)	ND (0.00049)	ND (0.00042)	ND (0.00047)	ND (0.00047)	ND (0.00049)	ND (0.00044)	ND (0.00049)
Heptachlor	76-44-8	mg/kg	0.042	0.42	2.1	ND (0.00060)	ND (0.00062)	ND (0.00060)	ND (0.00068)	ND (0.00058)	ND (0.00065)	ND (0.00064)	ND (0.00067)	ND (0.00061)	ND (0.00067)
Heptachlor epoxide	1024-57-3	mg/kg	-	0.077		ND (0.00049)	ND (0.00051)	ND (0.00049)	ND (0.00055)	ND (0.00048)	ND (0.00053)	ND (0.00052)	ND (0.00055)	ND (0.00049)	ND (0.00055)
Methoxychlor	72-43-5	mg/kg	-	100		ND (0.00055)	ND (0.00057)	ND (0.00055)	ND (0.00063)	ND (0.00054)	ND (0.00060)	ND (0.00059)	ND (0.00062)	ND (0.00056)	ND (0.00062)
Endrin ketone	53494-70-5	mg/kg	-	-	-	ND (0.00050)	ND (0.00052)	ND (0.00050)	ND (0.00057)	ND (0.00049)	ND (0.00055)	ND (0.00054)	ND (0.00056)	ND (0.00051)	ND (0.00056)
Toxaphene	8001-35-2	mg/kg	-	-	-	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.018)	ND (0.016)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.016)	ND (0.018)



**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-6 (2-4)	SB-6 (7-9)	SB-7 (3-5)	SB-7 (12-14)	SB-8 (2-4)	SB-8 (7-9)	SB-9 (3-5)	SB-9 (10-12)	SB-10(2-4)	SB-10(9-11)
Lab Sample ID:						JD27065-7 & JD27065-7A	JD27065-8	JD27065-9 & JD27065-9A	JD27065-10	JD27065-11 & JD27065-11A	JD27065-12	JD26986-9 & JD26986-9A	JD26986-10	JD26986-11 & JD26986-11A	JD26986-12
Date Sampled:						6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021
Matrix:	CAS#	Units	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>GC/LC Semi-volatiles (SW846 8082A)</b>															
Aroclor 1016	12674-11-2	mg/kg	0.1	1	1	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.018)	ND (0.016)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.016)	ND (0.018)
Aroclor 1221	11104-28-2	mg/kg	0.1	1	1	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.024)	ND (0.021)	ND (0.023)	ND (0.023)	ND (0.024)	ND (0.022)	ND (0.024)
Aroclor 1232	11141-16-5	mg/kg	0.1	1	1	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.025)	ND (0.022)	ND (0.025)
Aroclor 1242	53469-21-9	mg/kg	0.1	1	1	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.014)	ND (0.016)
Aroclor 1248	12672-29-6	mg/kg	0.1	1	1	ND (0.031)	ND (0.032)	ND (0.031)	ND (0.035)	ND (0.030)	ND (0.034)	ND (0.033)	ND (0.035)	ND (0.031)	ND (0.035)
Aroclor 1254	11097-69-1	mg/kg	0.1	1	1	ND (0.019)	0.0326 J	ND (0.019)	ND (0.021)	0.0533	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.019)	ND (0.021)
Aroclor 1260	11096-82-5	mg/kg	0.1	1	1	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.017)	ND (0.014)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.015)	ND (0.017)
Aroclor 1268	11100-14-4	mg/kg	0.1	1	1	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.017)	ND (0.014)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)
Aroclor 1262	37324-23-5	mg/kg	0.1	1	1	ND (0.023)	ND (0.024)	ND (0.023)	ND (0.026)	ND (0.022)	ND (0.025)	ND (0.024)	ND (0.025)	ND (0.023)	ND (0.025)
<b>Metals Analysis</b>															
Aluminum	7429-90-5	mg/kg	-			7240	6900	10300	10000	7300	7630	15400	13200	8170	9280
Antimony	7440-36-0	mg/kg	-			<2.1	<2.1	<2.3	-	<2.3	<2.3	<2.3	<2.4	<2.2	<2.4
Arsenic	7440-38-2	mg/kg	13	16	16	<2.1	<2.1	<2.3	<2.5	<2.3	<2.3	4.2	17.4	14.4	<2.4
Barium	7440-39-3	mg/kg	350	350	400	64.3	73.9	90.1	41	58	74.4	139	164	118	46.4
Beryllium	7440-41-7	mg/kg	7.2	14	72	0.33	0.32	0.42	0.48	0.32	0.38	0.93	0.47	0.5	0.31
Cadmium	7440-43-9	mg/kg	2.5	2.5	4.3	<0.53	<0.53	<0.57	<0.61	<0.57	<0.58	0.61	<0.61	<0.56	<0.60
Calcium	7440-70-2	mg/kg	-			7230	7410	6760	1520	3830	2810	2850	16700	7570	1830
Chromium	7440-47-3	mg/kg	30	36	180	14.4	13.4	16.1	16.9	15.9	14.6	24	48.5	20.6	17.3
Cobalt	7440-48-4	mg/kg	-	30		<5.3	<5.3	8	7.2	<5.7	<5.8	9.1	11.5	8.4	6.1
Copper	7440-50-8	mg/kg	50	270	270	17.9	14.6	19.9	13.7	11.3	15.6	27.2	45.7	82.6	13.6
Iron	7439-89-6	mg/kg	-	2000		12400	11600	17000	14500	10100	12700	21300	27700	25500	15500
Lead	7439-92-1	mg/kg	63	400	400	35.6	38.4	43.4	4.1	15.8	14.2	250	246	283	6.1
Magnesium	7439-95-4	mg/kg	-	-	-	3610	3260	4790	4630	3050	2790	4100	8510	4400	4010
Manganese	7439-96-5	mg/kg	1600	2000	2000	207	210	274	164	185	325	323	345	283	130
Mercury	7439-97-6	mg/kg	0.18	0.81	0.81	0.081	0.061	0.048	<0.035	<0.030	<0.030	0.14	0.23	0.15	<0.031
Nickel	7440-02-0	mg/kg	30	140	310	10.6	9.7	75.5	14.8	11.3	11.5	17.9	21.7	19.6	13.5
Potassium	7440-09-7	mg/kg	-	-	-	1540	1490	1940	2200	1110	1730	2390	2320	1580	2380
Selenium	7782-49-2	mg/kg	3.9	36	180	<2.1	<2.1	<2.3	<2.5	<2.3	<2.3	<2.3	<2.4	<2.2	<2.4
Silver	7440-22-4	mg/kg	2	36	180	<0.53	<0.53	<0.57	<0.61	<0.57	<0.58	0.81	0.83	0.73	<0.60
Sodium	7440-23-5	mg/kg	-	-	-	<1100	<1100	<1100	<1200	<1100	<1200	1830	2040	<1100	<1200
Thallium	7440-28-0	mg/kg	-			<1.1	<1.1	<1.1	<1.2	<1.1	<1.2	1.3	<1.2	<1.1	<1.2
Vanadium	7440-62-2	mg/kg	-	100		20.3	18.4	34.2	22.6	19.4	20.5	34.1	37.8	24.9	23.3
Zinc	7440-66-6	mg/kg	109	2200	10000	40.8	35.9	51.2	51.1	26	28	149	178	176	36.8

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-6 (2-4)	SB-6 (7-9)	SB-7 (3-5)	SB-7 (12-14)	SB-8 (2-4)	SB-8 (7-9)	SB-9 (3-5)	SB-9 (10-12)	SB-10(2-4)	SB-10(9-11)
Lab Sample ID:						JD27065-7 & JD27065-7A	JD27065-8	JD27065-9 & JD27065-9A	JD27065-10	JD27065-11 & JD27065-11A	JD27065-12	JD26986-9 & JD26986-9A	JD26986-10	JD26986-11 & JD26986-11A	JD26986-12
Date Sampled:						6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/21/2021	6/21/2021
Matrix:	CAS#	Units	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>General Chemistry</b>															
Cyanide	57-12-5	mg/kg	27	27	27	<0.26	<0.33	<0.33	<0.29	<0.24	<0.24	<0.31	<0.25	<0.33	<0.26
Solids, Percent		%	-	-	-	93.9	91.3	90.2	79.1	91	87.8	87.1	83.3	91.9	82.8

**Additional Notes:**

- mg/kg** = Milligrams per kilogram
- ND** = Not Detected
- URSCO** = NY Unrestricted Use Soil Cleanup Objectives (6 NYC)
- RSCO** = NY Residential Use Soil Cleanup Objectives (10/10) (
- RRSCO** = NY Restricted Residential Use Soil Cleanup Objective

	= Concentration exceeds USCOs
	= Concentration exceeds RSCO
	= Concentration exceeds RRSCO

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-11 (3-5)	SB-11 (11-13)	SB-12 (3-5)	SB-12 (12-14)	SB-13 (6-8)	SB-13 (13-15)	SB-14 (3-5)	SB-14 (10-12)	SB-15 (2-4)	SB-15 (8-10)
Lab Sample ID:						JD26986-13 & JD26986-13A	JD26986-14	JD27065-13 & JD27065-13A	JD27065-14	JD26986-15 & JD26986-15A	JD26986-16	JD27065-15 & JD27065-15A	JD27065-16	JD27065-17 & JD27065-17A	JD27065-18
Date Sampled:						6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units	Soil												
<b>MS Volatiles (SW846 8260D)</b>															
Acetone	67-64-1	mg/kg	0.05	100	100	0.0252	<b>0.0831</b>	<b>0.0625</b>	0.0395	<b>0.138</b>	0.0252	0.0064 J	<b>0.0633</b>	<b>0.157</b>	0.0058 J
Benzene	71-43-2	mg/kg	0.06	2.9	4.8	ND (0.00054)	ND (0.00047)	ND (0.00045)	ND (0.00051)	ND (0.00052)	ND (0.00082)	ND (0.00051)	ND (0.00059)	ND (0.00050)	ND (0.00048)
Bromochloromethane	74-97-5	mg/kg	-	-	-	ND (0.00066)	ND (0.00058)	ND (0.00055)	ND (0.00063)	ND (0.00064)	ND (0.0010)	ND (0.00063)	ND (0.00072)	ND (0.00061)	ND (0.00059)
Bromodichloromethane	75-27-4	mg/kg	-	-	-	ND (0.00051)	ND (0.00045)	ND (0.00042)	ND (0.00048)	ND (0.00049)	ND (0.00078)	ND (0.00048)	ND (0.00055)	ND (0.00047)	ND (0.00045)
Bromoform	75-25-2	mg/kg	-	-	-	ND (0.0016)	ND (0.0014)	ND (0.0013)	ND (0.0015)	ND (0.0016)	ND (0.0025)	ND (0.0015)	ND (0.0018)	ND (0.0015)	ND (0.0014)
Bromomethane	74-83-9	mg/kg	-	-	-	ND (0.00090)	ND (0.00079)	ND (0.00075)	ND (0.00086)	ND (0.00088)	ND (0.0014)	ND (0.00085)	ND (0.00098)	ND (0.00083)	ND (0.00080)
2-Butanone (MEK)	78-93-3	mg/kg	0.12	100	100	ND (0.0029)	0.0090 J	0.0067 J	ND (0.0027)	0.0212	ND (0.0044)	ND (0.0027)	0.0117 J	0.0245	ND (0.0026)
Carbon disulfide	75-15-0	mg/kg	-	100		0.00067 J	ND (0.00056)	0.0011 J	ND (0.00060)	0.00070 J	ND (0.00097)	ND (0.00060)	ND (0.00069)	ND (0.00058)	ND (0.00056)
Carbon tetrachloride	56-23-5	mg/kg	0.76	1.4	2.4	ND (0.00073)	ND (0.00064)	ND (0.00061)	ND (0.00069)	ND (0.00071)	ND (0.0011)	ND (0.00069)	ND (0.00080)	ND (0.00067)	ND (0.00065)
Chlorobenzene	108-90-7	mg/kg	1.1	100	100	ND (0.00054)	ND (0.00048)	ND (0.00045)	ND (0.00051)	ND (0.00053)	ND (0.00083)	ND (0.00051)	ND (0.00059)	ND (0.00050)	ND (0.00048)
Chloroethane	75-00-3	mg/kg	-			ND (0.00070)	ND (0.00061)	ND (0.00058)	ND (0.00066)	ND (0.00068)	ND (0.0011)	ND (0.00066)	ND (0.00076)	ND (0.00064)	ND (0.00062)
Chloroform	67-66-3	mg/kg	0.37	10	49	ND (0.00061)	ND (0.00054)	ND (0.00051)	ND (0.00058)	ND (0.00060)	ND (0.00094)	ND (0.00058)	ND (0.00067)	ND (0.00057)	ND (0.00055)
Chloromethane	74-87-3	mg/kg	-	-	-	ND (0.0023)	ND (0.0020)	ND (0.0019)	ND (0.0022)	ND (0.0023)	ND (0.0035)	ND (0.0022)	ND (0.0025)	ND (0.0021)	ND (0.0021)
Cyclohexane	110-82-7	mg/kg	-	-	-	ND (0.00078)	ND (0.00068)	ND (0.00065)	ND (0.00074)	ND (0.00076)	ND (0.0012)	ND (0.00073)	ND (0.00085)	ND (0.00072)	ND (0.00069)
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	-	-	-	ND (0.00082)	ND (0.00072)	ND (0.00068)	ND (0.00078)	ND (0.00080)	ND (0.0013)	ND (0.00077)	ND (0.00089)	ND (0.00076)	ND (0.00073)
Dibromochloromethane	124-48-1	mg/kg	-			ND (0.00066)	ND (0.00058)	ND (0.00055)	ND (0.00063)	ND (0.00064)	ND (0.0010)	ND (0.00063)	ND (0.00072)	ND (0.00061)	ND (0.00059)
1,2-Dibromoethane	106-93-4	mg/kg	-	-	-	ND (0.00050)	ND (0.00044)	ND (0.00041)	ND (0.00047)	ND (0.00048)	ND (0.00076)	ND (0.00047)	ND (0.00054)	ND (0.00046)	ND (0.00044)
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	100	100	ND (0.00065)	ND (0.00057)	ND (0.00054)	ND (0.00061)	ND (0.00063)	ND (0.00099)	ND (0.00061)	ND (0.00070)	ND (0.00060)	ND (0.00057)
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	17	49	ND (0.00059)	ND (0.00052)	ND (0.00049)	ND (0.00056)	ND (0.00057)	ND (0.00090)	ND (0.00055)	ND (0.00064)	ND (0.00054)	ND (0.00052)
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	9.8	13	ND (0.00058)	ND (0.00051)	ND (0.00049)	ND (0.00055)	ND (0.00057)	ND (0.00089)	ND (0.00055)	ND (0.00064)	ND (0.00054)	ND (0.00052)
Dichlorodifluoromethane	75-71-8	mg/kg	-	-	-	ND (0.00086) <sup>a</sup>	ND (0.00076) <sup>a</sup>	ND (0.00072)	ND (0.00081)	ND (0.00084) <sup>a</sup>	ND (0.0013) <sup>a</sup>	ND (0.00081)	ND (0.00094)	ND (0.00079)	ND (0.00076)
1,1-Dichloroethane	75-34-3	mg/kg	0.27	19	26	ND (0.00059)	ND (0.00051)	ND (0.00049)	ND (0.00055)	ND (0.00057)	ND (0.00090)	ND (0.00055)	ND (0.00064)	ND (0.00054)	ND (0.00052)
1,2-Dichloroethane	107-06-2	mg/kg	0.02	2.3	3.1	ND (0.00056)	ND (0.00049)	ND (0.00046)	ND (0.00053)	ND (0.00054)	ND (0.00085)	ND (0.00052)	ND (0.00060)	ND (0.00051)	ND (0.00049)
1,1-Dichloroethene	75-35-4	mg/kg	0.33	100	100	ND (0.00077)	ND (0.00068)	ND (0.00065)	ND (0.00073)	ND (0.00075)	ND (0.0012)	ND (0.00073)	ND (0.00084)	ND (0.00071)	ND (0.00069)
cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	59	100	ND (0.00099)	ND (0.00087)	ND (0.00083)	ND (0.00094)	ND (0.00097)	ND (0.0015)	ND (0.00094)	ND (0.0011)	ND (0.00092)	ND (0.00088)
trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	100	100	ND (0.00072)	ND (0.00063)	ND (0.00060)	ND (0.00068)	ND (0.00070)	ND (0.0011)	ND (0.00068)	ND (0.00079)	ND (0.00067)	ND (0.00064)
1,2-Dichloropropane	78-87-5	mg/kg	-			ND (0.00056)	ND (0.00049)	ND (0.00047)	ND (0.00053)	ND (0.00054)	ND (0.00086)	ND (0.00053)	ND (0.00061)	ND (0.00052)	ND (0.00050)
cis-1,3-Dichloropropene	10061-01-5	mg/kg	-	-	-	ND (0.00056)	ND (0.00049)	ND (0.00047)	ND (0.00053)	ND (0.00055)	ND (0.00086)	ND (0.00053)	ND (0.00061)	ND (0.00052)	ND (0.00050)
trans-1,3-Dichloropropene	10061-02-6	mg/kg	-	-	-	ND (0.00054)	ND (0.00047)	ND (0.00045)	ND (0.00051)	ND (0.00053)	ND (0.00083)	ND (0.00051)	ND (0.00059)	ND (0.00050)	ND (0.00048)
Ethylbenzene	100-41-4	mg/kg	1	30	41	ND (0.00054)	ND (0.00047)	ND (0.00045)	ND (0.00051)	0.108	ND (0.00082)	ND (0.00051)	ND (0.00058)	ND (0.00049)	ND (0.00048)
Freon 113	76-13-1	mg/kg	-	100		ND (0.0032)	ND (0.0028)	ND (0.0026)	ND (0.0030)	ND (0.0031)	ND (0.0048)	ND (0.0030)	ND (0.0034)	ND (0.0029)	ND (0.0028)
2-Hexanone	591-78-6	mg/kg	-	-	-	ND (0.0025)	ND (0.0022)	ND (0.0021)	ND (0.0024)	ND (0.0024)	ND (0.0038)	ND (0.0024)	ND (0.0027)	ND (0.0023)	ND (0.0022)
Isopropylbenzene	98-82-8	mg/kg	-	100		ND (0.0017)	ND (0.0015)	ND (0.0014)	ND (0.0016)	0.0199	ND (0.0026)	ND (0.0016)	ND (0.0018)	ND (0.0015)	ND (0.0015)
Methyl Acetate	79-20-9	mg/kg	-	-	-	ND (0.0016)	ND (0.0014)	ND (0.0014)	ND (0.0016)	ND (0.0016)	ND (0.0025)	ND (0.0016)	ND (0.0018)	ND (0.0015)	ND (0.0015)
Methylcyclohexane	108-87-2	mg/kg	-	-	-	ND (0.0010)	ND (0.00091)	ND (0.00086)	ND (0.00098)	0.0023	ND (0.0016)	ND (0.00098)	ND (0.0011)	ND (0.00095)	ND (0.00092)
Methyl Tert Butyl Ether	1634-04-4	mg/kg	0.93	62	100	ND (0.00055)	ND (0.00049)	ND (0.00046)	ND (0.00053)	ND (0.00054)	ND (0.00085)	ND (0.00052)	ND (0.00060)	ND (0.00051)	ND (0.00049)
4-Methyl-2-pentanone(MIBK)	108-10-1	mg/kg	-			ND (0.0027)	ND (0.0024)	ND (0.0022)	ND (0.0025)	ND (0.0026)	ND (0.0041)	ND (0.0025)	ND (0.0029)	ND (0.0025)	ND (0.0024)
Methylene chloride	75-09-2	mg/kg	0.05	51	100	ND (0.0031)	ND (0.0027)	ND (0.0026)	ND (0.0029)	ND (0.0030)	ND (0.0047)	ND (0.0029)	ND (0.0034)	0.0029 J	ND (0.0027)
Styrene	100-42-5	mg/kg	-			ND (0.00048)	ND (0.00042)	ND (0.00040)	ND (0.00045)	0.00085 J	ND (0.00073)	ND (0.00045)	ND (0.00052)	ND (0.00044)	ND (0.00042)
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	-	35		ND (0.00071)	ND (0.00062)	ND (0.00059)	ND (0.00067)	ND (0.00069)	ND (0.0011)	ND (0.00067)	ND (0.00077)	ND (0.00065)	ND (0.00063)
Tetrachloroethene	127-18-4	mg/kg	1.3	5.5	19	ND (0.00069)	ND (0.00060)	ND (0.00057)	ND (0.00065)	ND (0.00067)	ND (0.0010)	ND (0.00065)	ND (0.00075)	ND (0.00063)	ND (0.00061)
Toluene	108-88-3	mg/kg	0.7	100	100	ND (0.00062)	ND (0.00055)	ND (0.00052)	ND (0.00059)	0.0022	ND (0.00095)	ND (0.00059)	ND (0.00068)	ND (0.00057)	ND (0.00055)
1,2,3-Trichlorobenzene	87-61-6	mg/kg	-			ND (0.0030)	ND (0.0026)	ND (0.0025)	ND (0.0028)	ND (0.0029)	ND (0.0045)	ND (0.0028)	ND (0.0032)	ND (0.0027)	ND (0.0026)
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	100	100	ND (0.00057)	ND (0.00050)	ND (0.00048)	ND (0.00054)	ND (0.00056)	ND (0.00087)	ND (0.00054)	ND (0.00062)	ND (0.00053)	ND (0.00051)
1,1,2-Trichloroethane	79-00-5	mg/kg	-	-	-	ND (0.00066)	ND (0.00058)	ND (0.00055)	ND (0.00062)	ND (0.00064)	ND (0.0010)	ND (0.00062)	ND (0.00071)	ND (0.00060)	ND (0.00058)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-11 (3-5)	SB-11 (11-13)	SB-12 (3-5)	SB-12 (12-14)	SB-13 (6-8)	SB-13 (13-15)	SB-14 (3-5)	SB-14 (10-12)	SB-15 (2-4)	SB-15 (8-10)
Lab Sample ID:						JD26986-13 & JD26986-13A	JD26986-14	JD27065-13 & JD27065-13A	JD27065-14	JD26986-15 & JD26986-15A	JD26986-16	JD27065-15 & JD27065-15A	JD27065-16	JD27065-17 & JD27065-17A	JD27065-18
Date Sampled:						6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units													
Trichloroethene	79-01-6	mg/kg	0.47	10	21	ND (0.00090)	ND (0.00079)	ND (0.00075)	ND (0.00085)	ND (0.00088)	ND (0.0014)	ND (0.00085)	ND (0.00098)	ND (0.00083)	ND (0.00080)
Trichlorofluoromethane	75-69-4	mg/kg	-	-	-	ND (0.00081)	ND (0.00071)	ND (0.00067)	ND (0.00077)	ND (0.00079)	ND (0.0012)	ND (0.00076)	ND (0.00088)	ND (0.00075)	ND (0.00072)
Vinyl chloride	75-01-4	mg/kg	0.02	0.21	0.9	ND (0.00057)	ND (0.00050)	ND (0.00047)	ND (0.00054)	ND (0.00055)	ND (0.00087)	ND (0.00054)	ND (0.00062)	ND (0.00052)	ND (0.00051)
m,p-Xylene		mg/kg	0.26	100	100	ND (0.0011)	ND (0.00093)	ND (0.00088)	ND (0.0010)	0.0031	ND (0.0016)	ND (0.0010)	ND (0.0012)	ND (0.00098)	ND (0.00094)
o-Xylene	95-47-6	mg/kg	0.26	100	100	ND (0.00054)	ND (0.00048)	ND (0.00045)	ND (0.00051)	0.0072	ND (0.00083)	ND (0.00051)	ND (0.00059)	ND (0.00050)	ND (0.00048)
Xylene (total)	1330-20-7	mg/kg	0.26	100	100	ND (0.00054)	ND (0.00048)	ND (0.00045)	ND (0.00051)	0.0103	ND (0.00083)	ND (0.00051)	ND (0.00059)	ND (0.00050)	ND (0.00048)
<b>MS Volatile TIC</b>															
Total TIC, Volatile		mg/kg	-	-	-	0.0128 J	0	0	0	3.33 J	0	0	0	0	0
<b>MS Semi-volatiles (EPA 537M BY ID)</b>															
Perfluorobutanoic acid	375-22-4	ug/kg	-	-	-	ND (0.43)	-	ND (0.41)	-	ND (0.43)	-	ND (0.41)	-	ND (0.41)	-
Perfluoropentanoic acid	2706-90-3	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorohexanoic acid	307-24-4	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluoroheptanoic acid	375-85-9	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorooctanoic acid (PFOA)	335-67-1	ug/kg	0.66	6.6	33	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorononanoic acid	375-95-1	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorodecanoic acid	335-76-2	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluoroundecanoic acid	2058-94-8	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorododecanoic acid	307-55-1	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorotridecanoic acid	72629-94-8	ug/kg	-	-	-	ND (0.30)	-	ND (0.29)	-	ND (0.30)	-	ND (0.29)	-	ND (0.28)	-
Perfluorotetradecanoic acid	376-06-7	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorobutanesulfonic acid	375-73-5	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorohexanesulfonic acid	355-46-4	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluoroheptanesulfonic acid	375-92-8	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ug/kg	0.88	8.8	44	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
Perfluorodecanesulfonic acid	335-77-3	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
PFOSA	754-91-6	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28) <sup>b</sup>	-	ND (0.27)	-	ND (0.27)	-
MeFOSAA	2355-31-9	ug/kg	-	-	-	ND (0.56)	-	ND (0.54)	-	ND (0.56)	-	ND (0.54)	-	ND (0.54)	-
EtFOSAA	2991-50-6	ug/kg	-	-	-	ND (0.56)	-	ND (0.54)	-	ND (0.56)	-	ND (0.54)	-	ND (0.54)	-
6:2 Fluorotelomer sulfonate	27619-97-2	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
8:2 Fluorotelomer sulfonate	39108-34-4	ug/kg	-	-	-	ND (0.28)	-	ND (0.27)	-	ND (0.28)	-	ND (0.27)	-	ND (0.27)	-
<b>MS Semi-volatiles (SW846 8270E)</b>															
2-Chlorophenol	95-57-8	mg/kg	-	100		ND (0.037)	ND (0.020)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.021)	ND (0.019)	ND (0.022)	ND (0.018)	ND (0.019)
4-Chloro-3-methyl phenol	59-50-7	mg/kg	-	-	-	ND (0.046)	ND (0.025)	ND (0.023)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.023)	ND (0.027)	ND (0.022)	ND (0.024)
2,4-Dichlorophenol	120-83-2	mg/kg	-	100		ND (0.064)	ND (0.035)	ND (0.032) <sup>c</sup>	ND (0.034)	ND (0.034)	ND (0.037)	ND (0.032) <sup>c</sup>	ND (0.038)	ND (0.031)	ND (0.033)
2,4-Dimethylphenol	105-67-9	mg/kg	-	-	-	ND (0.13)	ND (0.073)	ND (0.067)	ND (0.070)	ND (0.072)	ND (0.076)	ND (0.067)	ND (0.079)	ND (0.065)	ND (0.070)
2,4-Dinitrophenol	51-28-5	mg/kg	-	100		ND (0.28)	ND (0.15)	ND (0.14)	ND (0.15)	ND (0.15)	ND (0.16)	ND (0.14)	ND (0.17)	ND (0.14)	ND (0.15)
4,6-Dinitro-o-cresol	534-52-1	mg/kg	-	-	-	ND (0.081)	ND (0.044)	ND (0.040) <sup>c</sup>	ND (0.042)	ND (0.043)	ND (0.046)	ND (0.040) <sup>c</sup>	ND (0.048)	ND (0.039)	ND (0.042)
2-Methylphenol	95-48-7	mg/kg	0.33	100	100	ND (0.048)	ND (0.026)	ND (0.024)	ND (0.025)	ND (0.026)	ND (0.027)	ND (0.024)	ND (0.028)	ND (0.023)	ND (0.025)
3&4-Methylphenol		mg/kg	-	-	-	ND (0.062)	ND (0.033)	ND (0.031)	ND (0.032)	ND (0.033)	ND (0.035)	ND (0.031)	ND (0.037)	ND (0.030)	ND (0.032)
2-Nitrophenol	88-75-5	mg/kg	-			ND (0.050)	ND (0.027)	ND (0.025) <sup>c</sup>	ND (0.026)	ND (0.027)	ND (0.028)	ND (0.025) <sup>c</sup>	ND (0.029)	ND (0.024)	ND (0.026)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-11 (3-5)	SB-11 (11-13)	SB-12 (3-5)	SB-12 (12-14)	SB-13 (6-8)	SB-13 (13-15)	SB-14 (3-5)	SB-14 (10-12)	SB-15 (2-4)	SB-15 (8-10)
Lab Sample ID:						JD26986-13 & JD26986-13A	JD26986-14	JD27065-13 & JD27065-13A	JD27065-14	JD26986-15 & JD26986-15A	JD26986-16	JD27065-15 & JD27065-15A	JD27065-16	JD27065-17 & JD27065-17A	JD27065-18
Date Sampled:						6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
4-Nitrophenol	100-02-7	mg/kg	-			ND (0.20)	ND (0.11)	ND (0.10) <sup>c</sup>	ND (0.11) <sup>c</sup>	ND (0.11)	ND (0.11)	ND (0.10) <sup>c</sup>	ND (0.12) <sup>c</sup>	ND (0.098) <sup>c</sup>	ND (0.10) <sup>c</sup>
Pentachlorophenol	87-86-5	mg/kg	0.8	2.4	6.7	ND (0.071)	ND (0.038)	ND (0.035)	ND (0.037)	ND (0.038)	ND (0.040)	ND (0.035)	ND (0.042)	ND (0.034)	ND (0.037)
Phenol	108-95-2	mg/kg	0.33	100	100	ND (0.039)	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.021)	ND (0.022)	ND (0.020)	ND (0.023)	ND (0.019)	ND (0.020)
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	-	-	-	ND (0.050) <sup>d</sup>	ND (0.027) <sup>d</sup>	ND (0.025)	ND (0.026)	ND (0.027) <sup>d</sup>	ND (0.028) <sup>d</sup>	ND (0.025)	ND (0.029)	ND (0.024)	ND (0.026)
2,4,5-Trichlorophenol	95-95-4	mg/kg	-	100		ND (0.056)	ND (0.031)	ND (0.028)	ND (0.030)	ND (0.030)	ND (0.032)	ND (0.028)	ND (0.033)	ND (0.027)	ND (0.029)
2,4,6-Trichlorophenol	88-06-2	mg/kg	-			ND (0.045)	ND (0.024)	ND (0.022)	ND (0.024)	ND (0.024)	ND (0.026)	ND (0.022)	ND (0.026)	ND (0.022)	ND (0.023)
Acenaphthene	83-32-9	mg/kg	20	100	100	0.0619 J	ND (0.014)	0.0429	ND (0.014)	1.15	ND (0.015)	ND (0.013)	ND (0.015)	0.0300 J	ND (0.014)
Acenaphthylene	208-96-8	mg/kg	100	100	100	0.0784 <sup>e</sup>	ND (0.021) <sup>d</sup>	0.133	ND (0.020)	ND (0.021) <sup>d</sup>	ND (0.022) <sup>d</sup>	0.0581	ND (0.023)	0.0337 J	ND (0.020)
Acetophenone	98-86-2	mg/kg	-	-	-	ND (0.016)	ND (0.0088)	ND (0.0081)	ND (0.0085)	ND (0.0087)	ND (0.0092)	ND (0.0081)	ND (0.0096)	ND (0.0079)	ND (0.0084)
Anthracene	120-12-7	mg/kg	100	100	100	0.173	ND (0.025)	0.118	ND (0.024)	0.449	ND (0.026)	0.0561	ND (0.027)	0.0869	ND (0.024)
Atrazine	1912-24-9	mg/kg	-	-	-	ND (0.032)	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.018)	ND (0.016)	ND (0.019)	ND (0.016)	ND (0.017)
Benzo(a)anthracene	56-55-3	mg/kg	1	1	1	0.501	ND (0.012)	0.48	ND (0.011)	0.332	ND (0.012)	0.185	ND (0.013)	0.317	0.0894
Benzo(a)pyrene	50-32-8	mg/kg	1	1	1	0.496	ND (0.019)	0.525	ND (0.018)	0.377	ND (0.020)	0.184	ND (0.020)	0.332	0.0786
Benzo(b)fluoranthene	205-99-2	mg/kg	1	1	1	0.611	ND (0.018)	0.729	ND (0.017)	0.542	ND (0.019)	0.251	ND (0.020)	0.409	0.104
Benzo(g,h,i)perylene	191-24-2	mg/kg	100	100	100	0.346	ND (0.020)	0.439	ND (0.020)	0.4	ND (0.021)	0.124	ND (0.022)	0.205	0.0429
Benzo(k)fluoranthene	207-08-9	mg/kg	0.8	1	3.9	0.224	ND (0.019)	0.232	ND (0.018)	0.207	ND (0.020)	0.0951	ND (0.021)	0.128	0.0492
4-Bromophenyl phenyl ether	101-55-3	mg/kg	-	-	-	ND (0.029)	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.016)	ND (0.017)	ND (0.014)	ND (0.017)	ND (0.014)	ND (0.015)
Butyl benzyl phthalate	85-68-7	mg/kg	-	100		ND (0.018)	ND (0.0099)	ND (0.0091)	ND (0.0096)	ND (0.0099)	ND (0.010)	ND (0.0091)	ND (0.011)	ND (0.0089)	ND (0.0096)
1,1'-Biphenyl	92-52-4	mg/kg	-			0.0186 J	ND (0.0056)	0.0167 J	ND (0.0054)	0.783	ND (0.0059)	ND (0.0051)	ND (0.0061)	0.0055 J	ND (0.0054)
Benzaldehyde	100-52-7	mg/kg	-	-	-	ND (0.019)	ND (0.010)	ND (0.0093)	ND (0.0098)	ND (0.010)	ND (0.011)	ND (0.0093)	ND (0.011)	ND (0.0091)	ND (0.0097)
2-Chloronaphthalene	91-58-7	mg/kg	-	-	-	ND (0.018)	ND (0.0097)	ND (0.0089)	ND (0.0094)	ND (0.0096)	ND (0.010)	ND (0.0089)	ND (0.011)	ND (0.0087)	ND (0.0093)
4-Chloroaniline	106-47-8	mg/kg	-	100		ND (0.027)	ND (0.015)	ND (0.013) <sup>c</sup>	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.013) <sup>c</sup>	ND (0.016)	ND (0.013)	ND (0.014)
Carbazole	86-74-8	mg/kg	-	-	-	0.0856 J	ND (0.0059)	0.0413 J	ND (0.0057)	ND (0.0059)	ND (0.0062)	0.0173 J	ND (0.0064)	0.0247 J	ND (0.0057)
Caprolactam	105-60-2	mg/kg	-	-	-	ND (0.030) <sup>d</sup>	ND (0.016) <sup>d</sup>	ND (0.015)	ND (0.016)	ND (0.016) <sup>d</sup>	ND (0.017) <sup>d</sup>	ND (0.015)	ND (0.018)	ND (0.014)	ND (0.015)
Chrysene	218-01-9	mg/kg	1	1	3.9	0.506	ND (0.013)	0.563	ND (0.012)	0.391	ND (0.014)	0.189	ND (0.014)	0.33	0.0782
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	-	-	-	ND (0.016)	ND (0.0087)	ND (0.0080)	ND (0.0084)	ND (0.0086)	ND (0.0092)	ND (0.0080)	ND (0.0095)	ND (0.0078)	ND (0.0084)
bis(2-Chloroethyl)ether	111-44-4	mg/kg	-	-	-	ND (0.033)	ND (0.018)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.019)	ND (0.016)	ND (0.019)	ND (0.016)	ND (0.017)
2,2'-Oxybis(1-chloropropane)	108-60-1	mg/kg	-	-	-	ND (0.027) <sup>d</sup>	ND (0.015) <sup>d</sup>	ND (0.013)	ND (0.014)	ND (0.014) <sup>d</sup>	ND (0.015) <sup>d</sup>	ND (0.013)	ND (0.016)	ND (0.013)	ND (0.014)
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	-	-	-	ND (0.024)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.014)	ND (0.012)	ND (0.014)	ND (0.012)	ND (0.013)
2,4-Dinitrotoluene	121-14-2	mg/kg	-	-	-	ND (0.023)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.014)	ND (0.011)	ND (0.012)
2,6-Dinitrotoluene	606-20-2	mg/kg	-	1.03		ND (0.038)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.020)	ND (0.022)	ND (0.019)	ND (0.022)	ND (0.018)	ND (0.020)
3,3'-Dichlorobenzidine	91-94-1	mg/kg	-	-	-	ND (0.063)	ND (0.034)	ND (0.031)	ND (0.033)	ND (0.034)	ND (0.036)	ND (0.031)	ND (0.037)	ND (0.031)	ND (0.033)
1,4-Dioxane	123-91-1	mg/kg	0.1	9.8	13	ND (0.050) <sup>d</sup>	ND (0.027) <sup>d</sup>	ND (0.025) <sup>c</sup>	ND (0.026)	ND (0.027) <sup>d</sup>	ND (0.028) <sup>d</sup>	ND (0.025) <sup>c</sup>	ND (0.029)	ND (0.024)	ND (0.026)
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.33	0.33	0.33	0.0639 J	ND (0.018)	0.0989	ND (0.017)	0.0937	ND (0.019)	0.0393	ND (0.020)	0.0518	ND (0.017)
Dibenzofuran	132-64-9	mg/kg	7	14	59	ND (0.031)	ND (0.017)	0.0359 J	ND (0.016)	0.861	ND (0.017)	ND (0.015)	ND (0.018)	ND (0.015)	ND (0.016)
Di-n-butyl phthalate	84-74-2	mg/kg	-	100		ND (0.012)	ND (0.0066)	ND (0.0061)	ND (0.0064)	ND (0.0066)	ND (0.0070)	ND (0.0061)	ND (0.0072)	ND (0.0060)	ND (0.0064)
Di-n-octyl phthalate	117-84-0	mg/kg	-	100		ND (0.019) <sup>c</sup>	ND (0.010) <sup>c</sup>	ND (0.0093)	ND (0.0098)	ND (0.010) <sup>c</sup>	ND (0.011) <sup>c</sup>	ND (0.0093)	ND (0.011)	ND (0.0091)	ND (0.0098)
Diethyl phthalate	84-66-2	mg/kg	-	100		ND (0.016)	ND (0.0087)	ND (0.0080)	ND (0.0084)	ND (0.0086)	ND (0.0092)	ND (0.0080)	ND (0.0095)	ND (0.0078)	ND (0.0084)
Dimethyl phthalate	131-11-3	mg/kg	-	100		ND (0.013)	ND (0.0073)	ND (0.0067)	ND (0.0070)	ND (0.0072)	ND (0.0076)	ND (0.0067)	ND (0.0079)	ND (0.0065)	ND (0.0070)
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	-	50		ND (0.018)	ND (0.0095)	ND (0.0088)	ND (0.0092)	ND (0.0094)	ND (0.010)	0.144	ND (0.010)	ND (0.0086)	ND (0.0092)
Fluoranthene	206-44-0	mg/kg	100	100	100	0.954	ND (0.018)	0.609	ND (0.018)	0.514	ND (0.019)	0.264	ND (0.020)	0.541	0.146
Fluorene	86-73-7	mg/kg	30	100	100	0.077	ND (0.019)	0.0398	ND (0.018)	1.95	ND (0.020)	0.0200 J	ND (0.020)	0.0195 J	ND (0.018)
Hexachlorobenzene	118-74-1	mg/kg	0.33	0.41	1.2	ND (0.019)	ND (0.010)	ND (0.0095)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.0095)	ND (0.011)	ND (0.0093)	ND (0.0099)
Hexachlorobutadiene	87-68-3	mg/kg	-	-	-	ND (0.030)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.015)	ND (0.018)	ND (0.015)	ND (0.016)
Hexachlorocyclopentadiene	77-47-4	mg/kg	-			ND (0.030) <sup>d</sup>	ND (0.016) <sup>d</sup>	ND (0.015)	ND (0.016)	ND (0.016) <sup>d</sup>	ND (0.017) <sup>d</sup>	ND (0.015)	ND (0.018)	ND (0.015)	ND (0.016)
Hexachloroethane	67-72-1	mg/kg	-	-	-	ND (0.037)	ND (0.020)	ND (0.019)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.019)	ND (0.022)	ND (0.018)	ND (0.019)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-11 (3-5)	SB-11 (11-13)	SB-12 (3-5)	SB-12 (12-14)	SB-13 (6-8)	SB-13 (13-15)	SB-14 (3-5)	SB-14 (10-12)	SB-15 (2-4)	SB-15 (8-10)
Lab Sample ID:						JD26986-13 & JD26986-13A	JD26986-14	JD27065-13 & JD27065-13A	JD27065-14	JD26986-15 & JD26986-15A	JD26986-16	JD27065-15 & JD27065-15A	JD27065-16	JD27065-17 & JD27065-17A	JD27065-18
Date Sampled:						6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units	Soil												
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	0.5	0.5	0.5	0.303	ND (0.019)	0.442	ND (0.019)	0.327	ND (0.020)	0.149	ND (0.021)	0.226	0.0478
Isophorone	78-59-1	mg/kg	-	100		ND (0.016)	ND (0.0087)	ND (0.0080)	ND (0.0084)	ND (0.0086)	ND (0.0092)	ND (0.0080)	ND (0.0095)	ND (0.0078)	ND (0.0084)
2-Methylnaphthalene	91-57-6	mg/kg	-	0.41		0.0576 J	ND (0.0092)	0.0428	ND (0.0089)	12.9	ND (0.0097)	ND (0.0085)	ND (0.010)	ND (0.0083)	ND (0.0089)
2-Nitroaniline	88-74-4	mg/kg	-			ND (0.018)	ND (0.0096)	ND (0.0088)	ND (0.0093)	ND (0.0095)	ND (0.010)	ND (0.0088)	ND (0.010)	ND (0.0086)	ND (0.0093)
3-Nitroaniline	99-09-2	mg/kg	-			ND (0.019)	ND (0.010)	ND (0.0094)	ND (0.0099)	ND (0.010)	ND (0.011)	ND (0.0094)	ND (0.011)	ND (0.0091)	ND (0.0098)
4-Nitroaniline	100-01-6	mg/kg	-	-	-	ND (0.020)	ND (0.011)	ND (0.0097)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.0097)	ND (0.012)	ND (0.0095)	ND (0.010)
Naphthalene	91-20-3	mg/kg	12	100	100	0.0654 J	ND (0.011)	0.0855	ND (0.011)	1.26	ND (0.012)	0.0118 J	ND (0.013)	0.0196 J	ND (0.011)
Nitrobenzene	98-95-3	mg/kg	-	3.7	15	ND (0.029)	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.016)	ND (0.017)	ND (0.014)	ND (0.017)	ND (0.014)	ND (0.015)
N-Nitroso-di-n-propylamine	621-64-7	mg/kg	-	-	-	ND (0.022)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.013)	ND (0.011)	ND (0.011)
N-Nitrosodiphenylamine	86-30-6	mg/kg	-			ND (0.028)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.016)	ND (0.014)	ND (0.016)	ND (0.013)	ND (0.014)
Phenanthrene	85-01-8	mg/kg	100	100	100	0.775	ND (0.014)	0.28	ND (0.013)	4.28	ND (0.014)	0.132	ND (0.015)	0.309	0.0745
Pyrene	129-00-0	mg/kg	100	100	100	1.06	ND (0.013)	0.903	ND (0.013)	0.601	ND (0.014)	0.333	ND (0.014)	0.63	0.132
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	-	-	-	ND (0.019)	ND (0.010)	ND (0.0095)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.0095)	ND (0.011)	ND (0.0093)	ND (0.010)
<b>MS Semi-volatile TIC</b>															
Total TIC, Semi-Volatile		mg/kg	-	-	-	4.95 J	3.35 J	1.1 J	0	79.9 J	0	0.25 J	2.85 J	0.46 J	0.17 J
<b>GC/LC Semi-volatiles (SW846 8081B)</b>															
Aldrin	309-00-2	mg/kg	0.005	0.019	0.097	ND (0.00062)	ND (0.00066)	ND (0.00060)	ND (0.00062)	ND (0.00067)	ND (0.00070)	ND (0.00061)	ND (0.00075)	ND (0.00059)	ND (0.00063)
alpha-BHC	319-84-6	mg/kg	0.02	0.097	0.48	ND (0.00061)	ND (0.00065)	ND (0.00059)	ND (0.00061)	ND (0.00066)	ND (0.00069)	ND (0.00061)	ND (0.00074)	ND (0.00058)	ND (0.00062)
beta-BHC	319-85-7	mg/kg	0.036	0.072	0.36	ND (0.00068)	ND (0.00073)	ND (0.00066)	ND (0.00068)	ND (0.00073)	ND (0.00076)	ND (0.00067)	ND (0.00082)	ND (0.00065)	ND (0.00069)
delta-BHC	319-86-8	mg/kg	0.04	100	100	ND (0.00072)	ND (0.00077)	ND (0.00070)	ND (0.00072)	ND (0.00078)	ND (0.00081)	ND (0.00071)	ND (0.00087)	ND (0.00069)	ND (0.00073)
gamma-BHC (Lindane)	58-89-9	mg/kg	0.1	0.28	1.3	ND (0.00055)	ND (0.00059)	ND (0.00054)	ND (0.00055)	ND (0.00060)	ND (0.00062)	ND (0.00055)	ND (0.00067)	ND (0.00053)	ND (0.00056)
alpha-Chlordane	5103-71-9	mg/kg	0.094	0.91	4.2	0.0045	ND (0.00065)	0.0075 <sup>f</sup>	ND (0.00060)	ND (0.00065)	ND (0.00068)	ND (0.00060)	ND (0.00073)	ND (0.00058)	ND (0.00061)
gamma-Chlordane	5103-74-2	mg/kg	-	0.54		0.0054 <sup>f</sup>	ND (0.00036)	0.0048	ND (0.00034)	ND (0.00037)	ND (0.00038)	ND (0.00034)	ND (0.00041)	ND (0.00033)	ND (0.00034)
Chlordane (alpha and gamma)	57-74-9	mg/kg	-	-	-	0.0099	ND (0.00036)	0.0123	ND (0.00034)	ND (0.00037)	ND (0.00038)	ND (0.00034)	ND (0.00041)	ND (0.00033)	ND (0.00034)
Dieldrin	60-57-1	mg/kg	0.005	0.039	0.2	ND (0.00051)	ND (0.00055)	0.0023 <sup>f</sup>	ND (0.00051)	ND (0.00055)	ND (0.00058)	0.0048 <sup>f</sup>	ND (0.00062)	0.0022 <sup>f</sup>	ND (0.00052)
4,4'-DDD	72-54-8	mg/kg	0.0033	2.6	13	0.0174 <sup>f</sup>	ND (0.00074)	0.0064 <sup>f</sup>	ND (0.00069)	0.0023 <sup>f</sup>	ND (0.00078)	ND (0.00068)	ND (0.00083)	ND (0.00066)	ND (0.00070)
4,4'-DDE	72-55-9	mg/kg	0.0033	1.8	8.9	0.0068	ND (0.00070)	0.0022 <sup>f</sup>	ND (0.00066)	ND (0.00071)	ND (0.00074)	ND (0.00065)	ND (0.00080)	ND (0.00063)	ND (0.00067)
4,4'-DDT	50-29-3	mg/kg	0.0033	1.7	7.9	0.0034	ND (0.00071)	0.0043 <sup>f</sup>	ND (0.00066)	0.0071	ND (0.00075)	0.005	ND (0.00081)	0.0037	ND (0.00067)
Endrin	72-20-8	mg/kg	0.014	2.2	11	ND (0.00058)	ND (0.00062)	ND (0.00057)	ND (0.00058)	ND (0.00063)	ND (0.00066)	ND (0.00058)	ND (0.00071)	ND (0.00056)	ND (0.00059)
Endosulfan sulfate	1031-07-8	mg/kg	2.4	4.8	24	ND (0.00058)	ND (0.00063)	ND (0.00057)	ND (0.00058)	ND (0.00063)	ND (0.00066)	ND (0.00058)	ND (0.00071)	ND (0.00056)	ND (0.00059)
Endrin aldehyde	7421-93-4	mg/kg	-	-	-	ND (0.00042)	ND (0.00045)	ND (0.00041)	ND (0.00042)	ND (0.00046)	ND (0.00048)	ND (0.00042)	ND (0.00052)	ND (0.00041)	ND (0.00043)
Endosulfan-I	959-98-8	mg/kg	2.4	4.8	24	ND (0.00043)	ND (0.00046)	ND (0.00042)	ND (0.00043)	ND (0.00047)	ND (0.00049)	ND (0.00043)	ND (0.00052)	ND (0.00041)	ND (0.00044)
Endosulfan-II	33213-65-9	mg/kg	2.4	4.8	24	ND (0.00047)	ND (0.00050)	ND (0.00045)	ND (0.00047)	ND (0.00050)	ND (0.00053)	ND (0.00046)	ND (0.00057)	ND (0.00045)	ND (0.00047)
Heptachlor	76-44-8	mg/kg	0.042	0.42	2.1	ND (0.00064)	ND (0.00069)	ND (0.00063)	ND (0.00064)	ND (0.00070)	ND (0.00073)	ND (0.00064)	ND (0.00078)	ND (0.00062)	ND (0.00065)
Heptachlor epoxide	1024-57-3	mg/kg	-	0.077		ND (0.00052)	ND (0.00056)	ND (0.00051)	ND (0.00052)	ND (0.00057)	ND (0.00059)	ND (0.00052)	ND (0.00064)	ND (0.00050)	ND (0.00053)
Methoxychlor	72-43-5	mg/kg	-	100		ND (0.00059)	ND (0.00064)	ND (0.00058)	ND (0.00059)	ND (0.00064)	ND (0.00067)	ND (0.00059)	ND (0.00072)	ND (0.00057)	ND (0.00060)
Endrin ketone	53494-70-5	mg/kg	-	-	-	ND (0.00054)	ND (0.00058)	ND (0.00053)	ND (0.00054)	ND (0.00058)	ND (0.00061)	ND (0.00054)	ND (0.00066)	ND (0.00052)	ND (0.00055)
Toxaphene	8001-35-2	mg/kg	-	-	-	ND (0.017)	ND (0.019)	ND (0.017)	ND (0.017)	ND (0.019)	ND (0.020)	ND (0.017)	ND (0.021)	ND (0.017)	ND (0.018)

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-11 (3-5)	SB-11 (11-13)	SB-12 (3-5)	SB-12 (12-14)	SB-13 (6-8)	SB-13 (13-15)	SB-14 (3-5)	SB-14 (10-12)	SB-15 (2-4)	SB-15 (8-10)
Lab Sample ID:						JD26986-13 & JD26986-13A	JD26986-14	JD27065-13 & JD27065-13A	JD27065-14	JD26986-15 & JD26986-15A	JD26986-16	JD27065-15 & JD27065-15A	JD27065-16	JD27065-17 & JD27065-17A	JD27065-18
Date Sampled:						6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>GC/LC Semi-volatiles (SW846 8082A)</b>															
Aroclor 1016	12674-11-2	mg/kg	0.1	1	1	ND (0.017)	ND (0.019)	ND (0.017)	ND (0.017)	ND (0.019)	ND (0.020)	ND (0.017)	ND (0.021)	ND (0.017)	ND (0.018)
Aroclor 1221	11104-28-2	mg/kg	0.1	1	1	ND (0.023)	ND (0.025)	ND (0.023)	ND (0.023)	ND (0.025)	ND (0.026)	ND (0.023)	ND (0.028)	ND (0.022)	ND (0.024)
Aroclor 1232	11141-16-5	mg/kg	0.1	1	1	ND (0.024)	ND (0.026)	ND (0.023)	ND (0.024)	ND (0.026)	ND (0.027)	ND (0.024)	ND (0.029)	ND (0.023)	ND (0.024)
Aroclor 1242	53469-21-9	mg/kg	0.1	1	1	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.017)	ND (0.017)	ND (0.015)	ND (0.019)	ND (0.015)	ND (0.016)
Aroclor 1248	12672-29-6	mg/kg	0.1	1	1	ND (0.033)	ND (0.036)	ND (0.032)	ND (0.033)	ND (0.036)	ND (0.038)	ND (0.033)	ND (0.041)	ND (0.032)	ND (0.034)
Aroclor 1254	11097-69-1	mg/kg	0.1	1	1	ND (0.020)	ND (0.022)	ND (0.020)	ND (0.020)	ND (0.022)	ND (0.023)	ND (0.020)	ND (0.024)	ND (0.019)	ND (0.020)
Aroclor 1260	11096-82-5	mg/kg	0.1	1	1	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.018)	ND (0.016)	ND (0.019)	ND (0.015)	ND (0.016)
Aroclor 1268	11100-14-4	mg/kg	0.1	1	1	ND (0.016)	ND (0.017)	ND (0.015)	ND (0.016)	ND (0.017)	ND (0.018)	ND (0.016)	ND (0.019)	ND (0.015)	ND (0.016)
Aroclor 1262	37324-23-5	mg/kg	0.1	1	1	ND (0.024)	ND (0.026)	ND (0.024)	ND (0.024)	ND (0.026)	ND (0.028)	ND (0.024)	ND (0.030)	ND (0.023)	ND (0.025)
<b>Metals Analysis</b>															
Aluminum	7429-90-5	mg/kg	-			11400	17700	9210	12900	13600	12700	10200	17400	9010	11400
Antimony	7440-36-0	mg/kg	-			<2.3	<2.6	<4.4 <sup>g</sup>	<2.3	<2.5	<2.7	<2.4	<2.8	<2.3	<2.4
Arsenic	7440-38-2	mg/kg	13	16	16	5.1	<2.6	5.3	<2.3	6.3	<2.7	2.8	<2.8	2.4	2.4
Barium	7440-39-3	mg/kg	350	350	400	223	110	140	87	176	82.9	62.3	92.6	121	84.5
Beryllium	7440-41-7	mg/kg	7.2	14	72	0.44	0.61	0.53 <sup>g</sup>	0.65	0.52	0.47	0.5	0.81	0.37	0.44
Cadmium	7440-43-9	mg/kg	2.5	2.5	4.3	1.3	<0.66	<0.54	<0.58	<0.62	<0.66	<0.60	<0.70	<0.59	<0.59
Calcium	7440-70-2	mg/kg	-			22900	1600	4490	1180	4580	1900	7270	2790	23200	10800
Chromium	7440-47-3	mg/kg	30	36	180	26.4	22.5	<b>33.2</b>	23	22	24.6	15.8	26.6	18.9	23
Cobalt	7440-48-4	mg/kg	-	30		8	7.1	<11 <sup>g</sup>	10.3	7.6	9.7	6.2	<7.0	<5.9	7
Copper	7440-50-8	mg/kg	50	270	270	<b>58.6</b>	13.7	<b>65.3</b>	9	<b>54.1</b>	16.7	20.4	10.4	23.4	19.9
Iron	7439-89-6	mg/kg	-	2000		<b>19700</b>	<b>16100</b>	<b>17000</b>	<b>19000</b>	<b>21300</b>	<b>24000</b>	<b>15000</b>	<b>14400</b>	<b>12500</b>	<b>15900</b>
Lead	7439-92-1	mg/kg	63	400	400	<b>417</b>	10.5	<b>184</b>	6.7	<b>343</b>	5.9	60.2	9.2	<b>127</b>	51.3
Magnesium	7439-95-4	mg/kg	-	-	-	13300	3610	5620	3330	3690	4470	4180	3050	4530	5810
Manganese	7439-96-5	mg/kg	1600	2000	2000	290	165	202	181	299	226	247	114	254	355
Mercury	7439-97-6	mg/kg	0.18	0.81	0.81	0.098	0.042	<b>0.37</b>	<0.031	<b>0.33</b>	<0.035	0.041	<0.039	0.12	0.16
Nickel	7440-02-0	mg/kg	30	140	310	20	15.4	24.3	16.5	16.4	17.2	13.4	14	12.4	15.9
Potassium	7440-09-7	mg/kg	-	-	-	2530	<1300	3050	<1200	1930	3390	1260	<1400	1890	3410
Selenium	7782-49-2	mg/kg	3.9	36	180	<2.3	<2.6	<2.2	<2.3	<2.5	<2.7	<2.4	<2.8	<2.3	<2.4
Silver	7440-22-4	mg/kg	2	36	180	0.73	<0.66	<0.54	<0.58	0.84	<0.66	<0.60	<0.70	<0.59	<0.59
Sodium	7440-23-5	mg/kg	-	-	-	<1200	3540	<1100	<1200	<1200	<1300	<1200	<1400	<1200	<1200
Thallium	7440-28-0	mg/kg	-			<1.2	<1.3	<2.2 <sup>g</sup>	<1.2	<1.2	<1.3	<1.2	<1.4	<1.2	<1.2
Vanadium	7440-62-2	mg/kg	-	100		37.2	30.3	29.6	37.8	29.2	33.9	25.8	28.4	21.4	27.7
Zinc	7440-66-6	mg/kg	109	2200	10000	<b>241</b>	51.9	<b>115</b>	42.2	<b>279</b>	45.3	57.5	40.8	78.9	54

**Table 3.1 - Soil Analytical Table**  
**June 21 - June 22, 2021**  
**1 Water Street, White Plains, NY**  
**Project No. 11936**  
**SESI Consulting Engineers**

Client Sample ID:			USCO	RSCO	RRSCO	SB-11 (3-5)	SB-11 (11-13)	SB-12 (3-5)	SB-12 (12-14)	SB-13 (6-8)	SB-13 (13-15)	SB-14 (3-5)	SB-14 (10-12)	SB-15 (2-4)	SB-15 (8-10)
Lab Sample ID:						JD26986-13 & JD26986-13A	JD26986-14	JD27065-13 & JD27065-13A	JD27065-14	JD26986-15 & JD26986-15A	JD26986-16	JD27065-15 & JD27065-15A	JD27065-16	JD27065-17 & JD27065-17A	JD27065-18
Date Sampled:						6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021
Matrix:	CAS#	Units				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>General Chemistry</b>															
Cyanide	57-12-5	mg/kg	27	27	27	<0.32	<0.28	<0.24	<0.32	<0.25	<0.30	<0.24	<0.34	<0.30	<0.24
Solids, Percent		%	-	-	-	88.1	78.9	87.5	84.2	82	76.8	87.8	73.3	89.9	85

**Additional Notes:**

**mg/kg** = Milligrams per kilogram

**ND** = Not Detected

**URSCO** = NY Unrestricted Use Soil Cleanup Objectives (6 NYC)

**RSCO** = NY Residential Use Soil Cleanup Objectives (10/10) (

**RRSCO** = NY Restricted Residential Use Soil Cleanup Objective

	= Concentration exceeds USCOs
	= Concentration exceeds RSCO
	= Concentration exceeds RRSCO



Table 3.1 - Soil Analytical Table  
June 08 - June 09, 2022  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-16 (3-3.5)	SB-16 (12-12.5)	SB-17 (4.5-5)	SB-17 (12-12.5)	SB-18 (3-3.5)	SB-18 (10-10.5)	SB-19 (3.5-4)	SB-19 (11-11.5)	SB-20 (4-4.5)	SB-20 (10-10.5)	SB-21 (3.5-4)
Lab Sample ID:				JD46262-1	JD46262-2	JD46262-3	JD46262-4	JD46262-5	JD46262-6	JD46262-7	JD46262-8	JD46262-9	JD46262-10	JD46262-11
Date Sampled:				6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>MS Volatiles (SW846 8260D)</b>														
Acetone	ug/kg	50	100000	21.5	34.5	37.2	ND (5.1)	ND (3.7)	ND (5.3)	ND (4.2)	34	4.0 J	27.1	ND (4.0)
Benzene	ug/kg	60	4800	ND (0.47)	ND (0.69)	ND (0.49)	ND (0.56)	0.93	ND (0.58)	ND (0.47)	ND (0.49)	ND (0.42)	ND (0.48)	ND (0.44)
Bromochloromethane	ug/kg	-	-	ND (0.58)	ND (0.85)	ND (0.60)	ND (0.69)	ND (0.51)	ND (0.72)	ND (0.57)	ND (0.60)	ND (0.51)	ND (0.59)	ND (0.54)
Bromodichloromethane	ug/kg	-	-	ND (0.44)	ND (0.65)	ND (0.46)	ND (0.53)	ND (0.39)	ND (0.55)	ND (0.44)	ND (0.46)	ND (0.39)	ND (0.45)	ND (0.41)
Bromoform	ug/kg	-	-	ND (1.4)	ND (2.1)	ND (1.5)	ND (1.7)	ND (1.2)	ND (1.7)	ND (1.4)	ND (1.5) <sup>d</sup>	ND (1.2) <sup>d</sup>	ND (1.4) <sup>d</sup>	ND (1.3) <sup>d</sup>
Bromomethane	ug/kg	-	-	ND (0.79)	ND (1.2)	ND (0.82)	ND (0.94)	ND (0.69)	ND (0.98)	ND (0.78)	ND (0.82) <sup>e</sup>	ND (0.70) <sup>e</sup>	ND (0.81) <sup>e</sup>	ND (0.73) <sup>e</sup>
2-Butanone (MEK)	ug/kg	120	100000	ND (2.5)	ND (3.7)	ND (2.6)	ND (3.0)	ND (2.2)	ND (3.1)	ND (2.5)	ND (2.6)	ND (2.2)	ND (2.6)	ND (2.3)
Carbon disulfide	ug/kg	-	-	ND (0.55)	1.0 J	ND (0.57)	ND (0.66)	ND (0.48)	ND (0.68)	ND (0.55)	ND (0.58)	ND (0.49)	3.6	ND (0.51)
Carbon tetrachloride	ug/kg	760	2400	ND (0.64)	ND (0.94)	ND (0.66)	ND (0.76)	ND (0.56)	ND (0.79)	ND (0.63)	ND (0.67)	ND (0.57)	ND (0.65)	ND (0.59)
Chlorobenzene	ug/kg	1100	100000	ND (0.47)	ND (0.70)	ND (0.49)	ND (0.56)	ND (0.42)	ND (0.59)	ND (0.47)	ND (0.49)	ND (0.42)	ND (0.48)	ND (0.44)
Chloroethane	ug/kg	-	-	ND (0.61)	ND (0.90)	ND (0.63)	ND (0.73)	ND (0.54)	ND (0.76)	ND (0.61)	ND (0.64) <sup>e</sup>	ND (0.54) <sup>e</sup>	ND (0.62) <sup>e</sup>	ND (0.57) <sup>e</sup>
Chloroform	ug/kg	370	49000	ND (0.54)	ND (0.79)	ND (0.56)	ND (0.64)	ND (0.47)	ND (0.66)	ND (0.53)	ND (0.56)	ND (0.48)	ND (0.55)	ND (0.50)
Chloromethane	ug/kg	-	-	ND (2.0)	ND (3.0)	ND (2.1)	ND (2.4)	ND (1.8)	ND (2.5)	ND (2.0)	ND (2.1) <sup>a</sup>	ND (1.8) <sup>a</sup>	ND (2.1) <sup>a</sup>	ND (1.9) <sup>a</sup>
Cyclohexane	ug/kg	-	-	ND (0.68)	ND (1.0)	ND (0.70)	ND (0.81)	ND (0.60)	ND (0.84)	ND (0.67)	ND (0.71)	ND (0.60)	ND (0.69)	ND (0.63)
1,2-Dibromo-3-chloropropane	ug/kg	-	-	ND (0.72)	ND (1.1)	ND (0.74)	ND (0.85)	ND (0.63)	ND (0.89)	ND (0.71)	ND (0.75)	ND (0.64)	ND (0.73)	ND (0.67)
Dibromochloromethane	ug/kg	-	-	ND (0.58)	ND (0.85)	ND (0.60)	ND (0.69)	ND (0.51)	ND (0.72)	ND (0.57)	ND (0.60)	ND (0.51)	ND (0.59)	ND (0.54)
1,2-Dibromoethane	ug/kg	-	-	ND (0.43)	ND (0.64)	ND (0.45)	ND (0.52)	ND (0.38)	ND (0.54)	ND (0.43)	ND (0.45)	ND (0.39)	ND (0.44)	ND (0.40)
1,2-Dichlorobenzene	ug/kg	1100	100000	ND (0.56)	ND (0.83)	ND (0.58)	ND (0.67)	ND (0.49)	ND (0.70)	ND (0.56)	ND (0.59)	ND (0.50)	ND (0.58)	ND (0.52)
1,3-Dichlorobenzene	ug/kg	2400	49000	ND (0.51)	ND (0.76)	ND (0.53)	ND (0.61)	ND (0.45)	ND (0.63)	ND (0.51)	ND (0.53)	ND (0.46)	ND (0.52)	ND (0.48)
1,4-Dichlorobenzene	ug/kg	1800	13000	ND (0.51)	ND (0.75)	ND (0.53)	ND (0.61)	ND (0.45)	ND (0.63)	ND (0.51)	ND (0.53)	ND (0.45)	ND (0.52)	ND (0.47)
Dichlorodifluoromethane	ug/kg	-	-	ND (0.75)	ND (1.1)	ND (0.78)	ND (0.89)	ND (0.66)	ND (0.93)	ND (0.75)	ND (0.78) <sup>a</sup>	ND (0.67) <sup>a</sup>	ND (0.77) <sup>a</sup>	ND (0.70) <sup>a</sup>
1,1-Dichloroethane	ug/kg	270	26000	ND (0.51)	ND (0.75)	ND (0.53)	ND (0.61)	ND (0.45)	ND (0.63)	ND (0.51)	ND (0.53)	ND (0.45)	ND (0.52)	ND (0.48)
1,2-Dichloroethane	ug/kg	20	3100	ND (0.48)	ND (0.72)	ND (0.50)	ND (0.58)	ND (0.43)	ND (0.60)	ND (0.48)	ND (0.51)	ND (0.43)	ND (0.50)	ND (0.45)
1,1-Dichloroethene	ug/kg	330	100000	ND (0.68)	ND (1.0)	ND (0.70)	ND (0.81)	ND (0.59)	ND (0.84)	ND (0.67)	ND (0.71)	ND (0.60)	ND (0.69)	ND (0.63)
cis-1,2-Dichloroethene	ug/kg	250	100000	ND (0.87)	ND (1.3)	ND (0.90)	ND (1.0)	ND (0.76)	ND (1.1)	ND (0.86)	ND (0.91)	ND (0.77)	ND (0.89)	ND (0.81)
trans-1,2-Dichloroethene	ug/kg	190	100000	ND (0.63)	ND (0.93)	ND (0.65)	ND (0.75)	ND (0.55)	ND (0.78)	ND (0.63)	ND (0.66)	ND (0.56)	ND (0.64)	ND (0.59)
1,2-Dichloropropane	ug/kg	-	-	ND (0.49)	ND (0.72)	ND (0.51)	ND (0.58)	ND (0.43)	ND (0.61)	ND (0.49)	ND (0.51)	ND (0.43)	ND (0.50)	ND (0.45)
cis-1,3-Dichloropropene	ug/kg	-	-	ND (0.49)	ND (0.72)	ND (0.51)	ND (0.58)	ND (0.43)	ND (0.61)	ND (0.49)	ND (0.51)	ND (0.44)	ND (0.50)	ND (0.46)
trans-1,3-Dichloropropene	ug/kg	-	-	ND (0.47)	ND (0.70)	ND (0.49)	ND (0.56)	ND (0.41)	ND (0.58)	ND (0.47)	ND (0.49)	ND (0.42)	ND (0.48)	ND (0.44)
Ethylbenzene	ug/kg	1000	41000	ND (0.47)	ND (0.69)	ND (0.49)	ND (0.56)	ND (0.41)	ND (0.58)	ND (0.46)	ND (0.49)	ND (0.42)	ND (0.48)	ND (0.43)
Freon 113	ug/kg	-	-	ND (2.8)	ND (4.1)	ND (2.9)	ND (3.3)	ND (2.4)	ND (3.4)	ND (2.7)	ND (2.9)	ND (2.5)	ND (2.8)	ND (2.6)
2-Hexanone	ug/kg	-	-	ND (2.2)	ND (3.2)	ND (2.3)	ND (2.6)	ND (1.9)	ND (2.7)	ND (2.2)	ND (2.3)	ND (1.9)	ND (2.2)	ND (2.0)
Isopropylbenzene	ug/kg	-	-	ND (1.5)	ND (2.2)	ND (1.5)	ND (1.7)	ND (1.3)	ND (1.8)	ND (1.5)	ND (1.5)	ND (1.3)	ND (1.5)	ND (1.4)
Methyl Acetate	ug/kg	-	-	ND (1.4)	ND (2.1)	ND (1.5)	ND (1.7)	ND (1.3)	ND (1.8)	ND (1.4)	ND (1.5)	ND (1.3)	ND (1.5)	ND (1.3)
Methylcyclohexane	ug/kg	-	-	ND (0.90)	ND (1.3)	ND (0.94)	ND (1.1)	ND (0.79)	ND (1.1)	ND (0.90)	ND (0.94)	ND (0.80)	ND (0.92)	ND (0.84)
Methyl Tert Butyl Ether	ug/kg	930	100000	ND (0.48)	ND (0.71)	ND (0.50)	ND (0.58)	ND (0.42)	ND (0.60)	ND (0.48)	ND (0.51)	ND (0.43)	ND (0.49)	ND (0.45)
4-Methyl-2-pentanone(MIBK)	ug/kg	-	-	ND (2.3)	ND (3.5)	ND (2.4)	ND (2.8)	ND (2.1)	ND (2.9)	ND (2.3)	ND (2.4)	ND (2.1)	ND (2.4)	ND (2.2)
Methylene chloride	ug/kg	50	100000	ND (2.7)	ND (4.0)	ND (2.8)	ND (3.2)	ND (2.4)	ND (3.3)	ND (2.7)	ND (2.8)	ND (2.4)	ND (2.8)	ND (2.5)
Styrene	ug/kg	-	-	ND (0.41)	ND (0.61)	ND (0.43)	ND (0.49)	ND (0.36)	ND (0.51)	ND (0.41)	ND (0.43)	ND (0.37)	ND (0.42)	ND (0.39)
1,1,1,2-Tetrachloroethane	ug/kg	-	-	ND (0.62)	ND (0.91)	ND (0.64)	ND (0.74)	ND (0.54)	ND (0.77)	ND (0.61)	ND (0.65)	ND (0.55)	ND (0.63)	ND (0.57)
Tetrachloroethene	ug/kg	1300	19000	ND (0.60)	ND (0.88)	ND (0.62)	ND (0.71)	ND (0.53)	ND (0.74)	ND (0.59)	ND (0.63)	ND (0.53)	ND (0.61)	ND (0.56)
Toluene	ug/kg	700	100000	ND (0.54)	ND (0.80)	ND (0.56)	ND (0.65)	0.75 J	ND (0.67)	ND (0.54)	ND (0.57)	ND (0.48)	ND (0.55)	ND (0.50)

Table 3.1 - Soil Analytical Table  
June 08 - June 09, 2022  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-16 (3-3.5)	SB-16 (12-12.5)	SB-17 (4.5-5)	SB-17 (12-12.5)	SB-18 (3-3.5)	SB-18 (10-10.5)	SB-19 (3.5-4)	SB-19 (11-11.5)	SB-20 (4-4.5)	SB-20 (10-10.5)	SB-21 (3.5-4)
Lab Sample ID:				JD46262-1	JD46262-2	JD46262-3	JD46262-4	JD46262-5	JD46262-6	JD46262-7	JD46262-8	JD46262-9	JD46262-10	JD46262-11
Date Sampled:				6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
1,2,3-Trichlorobenzene	ug/kg	-		ND (2.6)	ND (3.8)	ND (2.7)	ND (3.1)	ND (2.3)	ND (3.2)	ND (2.6)	ND (2.7) <sup>a</sup>	ND (2.3) <sup>a</sup>	ND (2.6) <sup>a</sup>	ND (2.4) <sup>a</sup>
1,2,4-Trichlorobenzene	ug/kg	-		ND (2.6)	ND (3.8)	ND (2.7)	ND (3.1)	ND (2.3)	ND (3.2)	ND (2.6)	ND (2.7)	ND (2.3)	ND (2.6)	ND (2.4)
1,1,1-Trichloroethane	ug/kg	680	100000	ND (0.50)	ND (0.74)	ND (0.52)	ND (0.59)	ND (0.44)	ND (0.62)	ND (0.50)	ND (0.52)	ND (0.44)	ND (0.51)	ND (0.46)
1,1,2-Trichloroethane	ug/kg	-	-	ND (0.57)	ND (0.84)	ND (0.59)	ND (0.68)	ND (0.50)	ND (0.71)	ND (0.57)	ND (0.60)	ND (0.51)	ND (0.58)	ND (0.53)
Trichloroethene	ug/kg	470	21000	ND (0.79)	ND (1.2)	ND (0.82)	ND (0.94)	ND (0.69)	ND (0.98)	ND (0.78)	ND (0.82)	ND (0.70)	ND (0.80)	ND (0.73)
Trichlorofluoromethane	ug/kg	-	-	ND (0.71)	ND (1.0)	ND (0.73)	ND (0.84)	0.87 J	ND (0.88)	ND (0.70)	ND (0.74)	1.1 J	ND (0.72)	1.4 J
Vinyl chloride	ug/kg	20	900	ND (0.50)	ND (0.73)	ND (0.52)	ND (0.59)	ND (0.44)	ND (0.62)	ND (0.49)	ND (0.52)	ND (0.44)	ND (0.51)	ND (0.46)
m,p-Xylene	ug/kg	260	100000	ND (0.92)	ND (1.4)	ND (0.96)	ND (1.1)	ND (0.81)	ND (1.1)	ND (0.92)	ND (0.97)	ND (0.82)	ND (0.94)	ND (0.86)
o-Xylene	ug/kg	260	100000	ND (0.47)	ND (0.70)	ND (0.49)	ND (0.56)	ND (0.41)	ND (0.59)	ND (0.47)	ND (0.49)	ND (0.42)	ND (0.48)	ND (0.44)
Xylene (total)	ug/kg	260	100000	ND (0.47)	ND (0.70)	ND (0.49)	ND (0.56)	ND (0.41)	ND (0.59)	ND (0.47)	ND (0.49)	ND (0.42)	ND (0.48)	ND (0.44)
<b>MS Volatile TIC</b>														
Total TIC, Volatile	ug/kg	-	-	0	0	0	0	0	0	0	0	0	378 J	7.7 J
<b>MS Semi-volatiles (SW846 8270E)</b>														
2-Chlorophenol	ug/kg	-		ND (85)	ND (17)	ND (19)	ND (21)	ND (17)	ND (18)	ND (18)	ND (19)	ND (18)	ND (18)	ND (18)
4-Chloro-3-methyl phenol	ug/kg	-	-	ND (110)	ND (21)	ND (23)	ND (26)	ND (22)	ND (22)	ND (22)	ND (24)	ND (22)	ND (22)	ND (22)
2,4-Dichlorophenol	ug/kg	-		ND (150)	ND (29)	ND (32)	ND (36)	ND (30)	ND (31)	ND (31)	ND (33)	ND (31)	ND (31)	ND (31)
2,4-Dimethylphenol	ug/kg	-	-	ND (310)	ND (61)	ND (67)	ND (75)	ND (63)	ND (65)	ND (65)	ND (69)	ND (64)	ND (64)	ND (64)
2,4-Dinitrophenol	ug/kg	-		ND (650)	ND (130)	ND (140)	ND (160)	ND (130)	ND (140)	ND (140)	ND (150)	ND (140)	ND (140)	ND (130)
4,6-Dinitro-o-cresol	ug/kg	-	-	ND (190)	ND (37)	ND (40)	ND (45)	ND (38)	ND (39)	ND (39)	ND (42)	ND (39)	ND (39)	ND (38)
2-Methylphenol	ug/kg	330	100000	ND (110)	ND (22)	ND (24)	ND (27)	ND (22)	ND (23)	ND (23)	ND (25)	ND (23)	ND (23)	ND (23)
3&4-Methylphenol	ug/kg	-	-	ND (140)	ND (28)	ND (31)	ND (35)	ND (29)	ND (30)	ND (30)	ND (32)	ND (30)	ND (30)	ND (29)
2-Nitrophenol	ug/kg	-		ND (110)	ND (23)	ND (25)	ND (28)	ND (23)	ND (24)	ND (24)	ND (26)	ND (24)	ND (24)	ND (24)
4-Nitrophenol	ug/kg	-		ND (460)	ND (92)	ND (100)	ND (110)	ND (94)	ND (98)	ND (98)	ND (100)	ND (96)	ND (97)	ND (96)
Pentachlorophenol	ug/kg	800	6700	ND (160)	ND (32)	ND (35)	ND (40)	ND (33)	ND (34)	ND (34)	ND (37)	ND (34)	ND (34)	ND (34)
Phenol	ug/kg	330	100000	ND (90)	ND (18)	ND (20)	ND (22)	ND (18)	ND (19)	ND (19)	ND (20)	ND (19)	ND (19)	ND (19)
2,3,4,6-Tetrachlorophenol	ug/kg	-	-	ND (110)	ND (23)	ND (25)	ND (28)	ND (23)	ND (24)	ND (24)	ND (26)	ND (24)	ND (24)	ND (24)
2,4,5-Trichlorophenol	ug/kg	-		ND (130)	ND (26)	ND (28)	ND (32)	ND (26)	ND (27)	ND (27)	ND (29)	ND (27)	ND (27)	ND (27)
2,4,6-Trichlorophenol	ug/kg	-		ND (100)	ND (21)	ND (22)	ND (25)	ND (21)	ND (22)	ND (22)	ND (23)	ND (21)	ND (22)	ND (21)
Acenaphthene	ug/kg	20000	100000	ND (60)	ND (12)	119	ND (15)	29.9 J	ND (13)	25.3 J	ND (13)	83.3	ND (12)	ND (12)
Acenaphthylene	ug/kg	100000	100000	ND (88)	ND (18)	150	ND (22)	26.4 J	ND (19)	ND (19)	ND (20)	ND (18)	ND (18)	ND (18)
Acetophenone	ug/kg	-	-	ND (37)	ND (7.4)	ND (8.1)	ND (9.1)	ND (7.6)	ND (7.9)	ND (7.9)	ND (8.4)	ND (7.7)	ND (7.8)	ND (7.7)
Anthracene	ug/kg	100000	100000	167 J	ND (21)	308	ND (26)	83.4	ND (22)	71	ND (24)	224	ND (22)	40.1
Atrazine	ug/kg	-	-	ND (74)	ND (15)	ND (16)	ND (18)	ND (15)	ND (16)	ND (16)	ND (17)	ND (15)	ND (15)	ND (15)
Benzo(a)anthracene	ug/kg	1000	1000	451	ND (9.8)	591	ND (12)	252	ND (10)	238	ND (11)	670	45.7	148
Benzo(a)pyrene	ug/kg	1000	1000	326	ND (16)	590	ND (19)	230	ND (17)	207	ND (18)	523	43.7	139
Benzo(b)fluoranthene	ug/kg	1000	1000	394	ND (15)	739	ND (19)	278	ND (16)	234	ND (17)	601	53.2	144
Benzo(g,h,i)perylene	ug/kg	100000	100000	197	ND (17)	426	ND (21)	162	ND (18)	141	ND (19)	332	39.7	103
Benzo(k)fluoranthene	ug/kg	800	3900	189	ND (16)	267	ND (20)	101	ND (17)	95.1	ND (18)	207	21.5 J	61.4
4-Bromophenyl phenyl ether	ug/kg	-	-	ND (67)	ND (13)	ND (15)	ND (16)	ND (14)	ND (14)	ND (14)	ND (15)	ND (14)	ND (14)	ND (14)
Butyl benzyl phthalate	ug/kg	-		ND (42)	ND (8.4)	ND (9.2)	ND (10)	ND (8.6)	ND (9.0)	ND (8.9)	ND (9.5)	ND (8.8)	ND (8.8)	ND (8.8)
1,1'-Biphenyl	ug/kg	-		ND (24)	ND (4.7)	42.9 J	6.9 J	4.9 J	ND (5.0)	ND (5.0)	ND (5.3)	6.2 J	ND (5.0)	ND (4.9)

Table 3.1 - Soil Analytical Table  
June 08 - June 09, 2022  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-16 (3-3.5)	SB-16 (12-12.5)	SB-17 (4.5-5)	SB-17 (12-12.5)	SB-18 (3-3.5)	SB-18 (10-10.5)	SB-19 (3.5-4)	SB-19 (11-11.5)	SB-20 (4-4.5)	SB-20 (10-10.5)	SB-21 (3.5-4)
Lab Sample ID:				JD46262-1	JD46262-2	JD46262-3	JD46262-4	JD46262-5	JD46262-6	JD46262-7	JD46262-8	JD46262-9	JD46262-10	JD46262-11
Date Sampled:				6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Benzaldehyde	ug/kg	-	-	ND (43)	ND (8.6)	ND (9.3)	ND (11)	ND (8.7)	ND (9.1)	ND (9.1)	ND (9.6)	ND (8.9)	ND (9.0)	ND (8.9)
2-Chloronaphthalene	ug/kg	-	-	ND (41)	ND (8.2)	ND (8.9)	ND (10)	ND (8.4)	ND (8.7)	ND (8.7)	ND (9.3)	ND (8.6)	ND (8.6)	ND (8.5)
4-Chloroaniline	ug/kg	-	-	ND (62)	ND (12)	ND (14)	ND (15)	ND (13)	ND (13)	ND (13)	ND (14)	ND (13)	ND (13)	ND (13)
Carbazole	ug/kg	-	-	62.8 J	ND (5.0)	69.8 J	ND (6.1)	31.9 J	ND (5.3)	20.6 J	ND (5.6)	58.1 J	ND (5.2)	8.0 J
Caprolactam	ug/kg	-	-	ND (68)	ND (14)	ND (15)	ND (17)	ND (14)	ND (14)	ND (14)	ND (15)	ND (14)	ND (14)	ND (14)
Chrysene	ug/kg	1000	3900	488	ND (11)	631	ND (13)	248	ND (12)	230	ND (12)	658	39.8	143
bis(2-Chloroethoxy)methane	ug/kg	-	-	ND (37)	ND (7.4)	ND (8.0)	ND (9.1)	ND (7.5)	ND (7.8)	ND (7.8)	ND (8.3)	ND (7.7)	ND (7.7)	ND (7.7)
bis(2-Chloroethyl)ether	ug/kg	-	-	ND (75)	ND (15)	ND (16)	ND (18)	ND (15)	ND (16)	ND (16)	ND (17)	ND (16)	ND (16)	ND (15)
2,2'-Oxybis(1-chloropropane)	ug/kg	-	-	ND (62)	ND (12)	ND (13)	ND (15)	ND (13)	ND (13)	ND (13)	ND (14)	ND (13)	ND (13)	ND (13)
4-Chlorophenyl phenyl ether	ug/kg	-	-	ND (56)	ND (11)	ND (12)	ND (14)	ND (11)	ND (12)	ND (12)	ND (13)	ND (12)	ND (12)	ND (12)
2,4-Dinitrotoluene	ug/kg	-	-	ND (54)	ND (11)	ND (12)	ND (13)	ND (11)	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	ND (11)
2,6-Dinitrotoluene	ug/kg	-	-	ND (87)	ND (17)	ND (19)	ND (21)	ND (18)	ND (18)	ND (18)	ND (20)	ND (18)	ND (18)	ND (18)
3,3'-Dichlorobenzidine	ug/kg	-	-	ND (140)	ND (29)	ND (31)	ND (35)	ND (29)	ND (31)	ND (31)	ND (32)	ND (30)	ND (30)	ND (30)
1,4-Dioxane	ug/kg	100	13000	ND (110)	ND (23)	ND (25)	ND (28)	ND (23)	ND (24)	ND (24)	ND (26)	ND (24)	ND (24)	ND (24)
Dibenzo(a,h)anthracene	ug/kg	330	330	ND (76)	ND (15)	117	ND (19)	44.5	ND (16)	41.8	ND (17)	94.7	ND (16)	21.9 J
Dibenzofuran	ug/kg	7000	59000	77.2 J	ND (14)	64.5 J	ND (17)	15.6 J	ND (15)	ND (15)	ND (16)	39.0 J	ND (15)	ND (15)
Di-n-butyl phthalate	ug/kg	-	-	ND (28)	ND (5.6)	ND (6.1)	ND (6.9)	ND (5.7)	ND (6.0)	ND (6.0)	ND (6.3)	ND (5.9)	ND (5.9)	ND (5.8)
Di-n-octyl phthalate	ug/kg	-	-	ND (43)	ND (8.6)	ND (9.4)	ND (11)	ND (8.8)	ND (9.1)	ND (9.1)	ND (9.7)	ND (9.0)	ND (9.0)	ND (8.9)
Diethyl phthalate	ug/kg	-	-	ND (37)	ND (7.3)	ND (8.0)	ND (9.0)	ND (7.5)	ND (7.8)	ND (7.8)	ND (8.3)	ND (7.7)	ND (7.7)	ND (7.6)
Dimethyl phthalate	ug/kg	-	-	ND (31)	ND (6.1)	ND (6.7)	ND (7.5)	ND (6.3)	ND (6.5)	ND (6.5)	ND (6.9)	ND (6.4)	ND (6.4)	ND (6.4)
bis(2-Ethylhexyl)phthalate	ug/kg	-	-	ND (40)	ND (8.1)	66.2 J	ND (9.9)	11.0 J	ND (8.6)	10.5 J	ND (9.1)	29.8 J	ND (8.5)	9.0 J
Fluoranthene	ug/kg	100000	100000	852	ND (15)	1190	ND (19)	442	ND (16)	400	ND (17)	1150	57.5	215
Fluorene	ug/kg	30000	100000	ND (79)	ND (16)	169	ND (19)	23.3 J	ND (17)	23.3 J	ND (18)	70.5	ND (17)	ND (16)
Hexachlorobenzene	ug/kg	330	1200	ND (44)	ND (8.7)	ND (9.5)	ND (11)	ND (8.9)	ND (9.3)	ND (9.3)	ND (9.8)	ND (9.1)	ND (9.1)	ND (9.1)
Hexachlorobutadiene	ug/kg	-	-	ND (70)	ND (14)	ND (15)	ND (17)	ND (14)	ND (15)	ND (15)	ND (16)	ND (14)	ND (15)	ND (14)
Hexachlorocyclopentadiene	ug/kg	-	-	ND (69)	ND (14)	ND (15)	ND (17)	ND (14)	ND (15)	ND (15)	ND (15)	ND (14)	ND (14)	ND (14)
Hexachloroethane	ug/kg	-	-	ND (86)	ND (17)	ND (19)	ND (21)	ND (17)	ND (18)	ND (18)	ND (19)	ND (18)	ND (18)	ND (18)
Indeno(1,2,3-cd)pyrene	ug/kg	500	500	258	ND (16)	470	ND (20)	177	ND (17)	164	ND (18)	357	38.3	109
Isophorone	ug/kg	-	-	ND (37)	ND (7.4)	ND (8.0)	ND (9.1)	ND (7.5)	ND (7.8)	ND (7.8)	ND (8.3)	ND (7.7)	ND (7.7)	ND (7.7)
2-Methylnaphthalene	ug/kg	-	-	ND (39)	ND (7.8)	177	ND (9.6)	9.7 J	ND (8.3)	ND (8.3)	ND (8.8)	29.0 J	ND (8.2)	ND (8.1)
2-Nitroaniline	ug/kg	-	-	ND (41)	ND (8.1)	ND (8.9)	ND (10)	ND (8.3)	ND (8.7)	ND (8.7)	ND (9.2)	ND (8.5)	ND (8.5)	ND (8.5)
3-Nitroaniline	ug/kg	-	-	ND (43)	ND (8.6)	ND (9.4)	ND (11)	ND (8.8)	ND (9.2)	ND (9.2)	ND (9.7)	ND (9.0)	ND (9.0)	ND (9.0)
4-Nitroaniline	ug/kg	-	-	ND (45)	ND (8.9)	ND (9.7)	ND (11)	ND (9.1)	ND (9.5)	ND (9.5)	ND (10)	ND (9.3)	ND (9.4)	ND (9.3)
Naphthalene	ug/kg	12000	100000	ND (49)	ND (9.7)	115	ND (12)	18.7 J	ND (10)	ND (10)	ND (11)	36.4	ND (10)	ND (10)
Nitrobenzene	ug/kg	-	15000	ND (67)	ND (13)	ND (15)	ND (16)	ND (14)	ND (14)	ND (14)	ND (15)	ND (14)	ND (14)	ND (14)
N-Nitroso-di-n-propylamine	ug/kg	-	-	ND (50)	ND (10)	ND (11)	ND (12)	ND (10)	ND (11)	ND (11)	ND (11)	ND (10)	ND (10)	ND (10)
N-Nitrosodiphenylamine	ug/kg	-	-	ND (63)	ND (13)	ND (14)	ND (15)	ND (13)	ND (13)	ND (13)	ND (14)	ND (13)	ND (13)	ND (13)
Phenanthrene	ug/kg	100000	100000	925	ND (12)	763	ND (14)	336	ND (12)	329	ND (13)	1070	23.4 J	137
Pyrene	ug/kg	100000	100000	971	ND (11)	1330	ND (14)	495	ND (12)	494	ND (12)	1420	61.8	301
1,2,4,5-Tetrachlorobenzene	ug/kg	-	-	ND (44)	ND (8.8)	ND (9.5)	ND (11)	ND (8.9)	ND (9.3)	ND (9.3)	ND (9.9)	ND (9.1)	ND (9.2)	ND (9.1)
<b>MS Semi-volatile TIC</b>														
Total TIC, Semi-Volatile	ug/kg	-	-	1540 J	0	18690 J	0	1280 J	0	810 J	0	3600 J	490 J	450 J

Table 3.1 - Soil Analytical Table  
June 08 - June 09, 2022  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-16 (3-3.5)	SB-16 (12-12.5)	SB-17 (4.5-5)	SB-17 (12-12.5)	SB-18 (3-3.5)	SB-18 (10-10.5)	SB-19 (3.5-4)	SB-19 (11-11.5)	SB-20 (4-4.5)	SB-20 (10-10.5)	SB-21 (3.5-4)	
Lab Sample ID:				JD46262-1	JD46262-2	JD46262-3	JD46262-4	JD46262-5	JD46262-6	JD46262-7	JD46262-8	JD46262-9	JD46262-10	JD46262-11	
Date Sampled:				6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil

**GC/LC Semi-volatiles (SW846 8081B)**

Aldrin	ug/kg	5	97	ND (0.54)	ND (0.52)	ND (0.60)	ND (0.67)	ND (0.55)	ND (0.55)	ND (0.60)	ND (0.60)	ND (0.56)	ND (0.60)	ND (0.59)
alpha-BHC	ug/kg	20	480	ND (0.53)	ND (0.51)	1.9	ND (0.66)	ND (0.54)	ND (0.54)	ND (0.59)	ND (0.60)	ND (0.55)	ND (0.59)	ND (0.58)
beta-BHC	ug/kg	36	360	ND (0.59)	ND (0.57)	1.3 <sup>f</sup>	ND (0.74)	ND (0.60)	ND (0.60)	ND (0.66)	ND (0.66)	ND (0.62)	ND (0.66)	ND (0.64)
delta-BHC	ug/kg	40	100000	ND (0.62)	ND (0.61)	ND (0.70)	ND (0.78)	ND (0.64)	ND (0.64)	ND (0.70)	ND (0.70)	ND (0.65)	ND (0.70)	ND (0.68)
gamma-BHC (Lindane)	ug/kg	100	1300	ND (0.48)	ND (0.47)	ND (0.54)	ND (0.60)	ND (0.49)	ND (0.49)	ND (0.54)	ND (0.54)	ND (0.50)	ND (0.53)	ND (0.52)
alpha-Chlordane	ug/kg	94	4200	ND (0.52)	ND (0.51)	3.9	ND (0.66)	ND (0.54)	ND (0.54)	ND (0.59)	ND (0.59)	ND (0.55)	1	ND (0.57)
gamma-Chlordane	ug/kg	-	-	ND (0.29)	ND (0.29)	ND (0.33)	ND (0.37)	ND (0.30)	ND (0.30)	ND (0.33)	ND (0.33)	ND (0.31)	0.67 <sup>J</sup>	ND (0.32)
Dieldrin	ug/kg	5	200	1.2	ND (0.43)	1.9	ND (0.56)	ND (0.46)	ND (0.46)	ND (0.50)	ND (0.50)	ND (0.47)	ND (0.50)	0.77
4,4'-DDD	ug/kg	3.3	13000	1.1 <sup>f</sup>	ND (0.58)	14.8 <sup>B</sup>	1.6	0.91	2	ND (0.67)	ND (0.67)	1.5 <sup>f</sup>	1.1 <sup>f</sup>	1.2 <sup>f</sup>
4,4'-DDE	ug/kg	3.3	8900	1.6	ND (0.55)	7.3	ND (0.71)	0.73 <sup>f</sup>	ND (0.58)	0.90 <sup>f</sup>	ND (0.64)	1.1 <sup>f</sup>	ND (0.64)	0.86
4,4'-DDT	ug/kg	3.3	7900	8.3 <sup>B</sup>	13.1 <sup>B</sup>	19.0 <sup>B<sup>g</sup></sup>	8.7 <sup>B</sup>	6.0 <sup>B</sup>	12.8 <sup>B</sup>	8.0 <sup>B</sup>	5.1 <sup>B</sup>	8.8 <sup>B</sup>	9.2 <sup>B</sup>	11.7 <sup>B</sup>
Endrin	ug/kg	14	11000	ND (0.51)	ND (0.49)	ND (0.57)	ND (0.63)	ND (0.52)	ND (0.52)	ND (0.57)	ND (0.57)	ND (0.53)	ND (0.56)	ND (0.55)
Endosulfan sulfate	ug/kg	2400	24000	ND (0.51)	ND (0.49)	ND (0.57)	ND (0.64)	ND (0.52)	ND (0.52)	ND (0.57)	ND (0.57)	ND (0.53)	ND (0.57)	ND (0.55)
Endrin aldehyde	ug/kg	-	-	ND (0.37)	ND (0.36)	ND (0.41)	ND (0.46)	ND (0.38)	ND (0.38)	ND (0.41)	ND (0.42)	ND (0.39)	ND (0.41)	ND (0.40)
Endosulfan-I	ug/kg	2400	24000	ND (0.37)	ND (0.36)	ND (0.42)	ND (0.47)	ND (0.38)	ND (0.38)	ND (0.42)	ND (0.42)	ND (0.39)	ND (0.42)	ND (0.41)
Endosulfan-II	ug/kg	2400	24000	ND (0.41)	ND (0.39)	ND (0.45)	ND (0.51)	ND (0.42)	ND (0.42)	ND (0.45)	ND (0.46)	ND (0.43)	ND (0.45)	ND (0.44)
Heptachlor	ug/kg	42	2100	ND (0.56)	ND (0.54)	1.9	ND (0.70)	ND (0.57)	ND (0.57)	ND (0.63)	ND (0.63)	ND (0.59)	ND (0.63)	ND (0.61)
Heptachlor epoxide	ug/kg	-	-	ND (0.46)	ND (0.44)	1.4	ND (0.57)	ND (0.47)	ND (0.47)	ND (0.51)	ND (0.51)	ND (0.48)	ND (0.51)	ND (0.50)
Methoxychlor	ug/kg	-	-	ND (0.52)	ND (0.50)	ND (0.58)	ND (0.65)	ND (0.53)	ND (0.53)	ND (0.58)	ND (0.58)	ND (0.54)	ND (0.58)	ND (0.56)
Endrin ketone	ug/kg	-	-	ND (0.47)	ND (0.46)	ND (0.53)	ND (0.59)	ND (0.48)	ND (0.48)	ND (0.53)	ND (0.53)	ND (0.49)	ND (0.52)	ND (0.51)
Toxaphene	ug/kg	-	-	ND (15)	ND (15)	ND (17)	ND (19)	ND (16)	ND (16)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)

**GC/LC Semi-volatiles (SW846 8082A)**

Aroclor 1016	ug/kg	100	1000	ND (15)	ND (15)	ND (17)	ND (19)	ND (16)	ND (16)	ND (17)	ND (17)	ND (16)	ND (17)	ND (17)
Aroclor 1221	ug/kg	100	1000	ND (20)	ND (20)	ND (23)	ND (25)	ND (21)	ND (21)	ND (23)	ND (23)	ND (21)	ND (22)	ND (22)
Aroclor 1232	ug/kg	100	1000	ND (21)	ND (20)	ND (23)	ND (26)	ND (21)	ND (21)	ND (23)	ND (23)	ND (22)	ND (23)	ND (23)
Aroclor 1242	ug/kg	100	1000	ND (13)	ND (13)	ND (15)	ND (17)	ND (14)	ND (14)	ND (15)	ND (15)	ND (14)	ND (15)	ND (15)
Aroclor 1248	ug/kg	100	1000	ND (29)	ND (28)	ND (32)	ND (36)	ND (30)	ND (30)	ND (32)	ND (33)	ND (30)	ND (32)	ND (32)
Aroclor 1254	ug/kg	100	1000	ND (17)	ND (17)	ND (20)	ND (22)	ND (18)	ND (18)	ND (20)	ND (20)	ND (18)	ND (20)	ND (19)
Aroclor 1260	ug/kg	100	1000	ND (14)	ND (13)	ND (15)	ND (17)	ND (14)	ND (14)	ND (16)	ND (16)	ND (15)	ND (15)	ND (15)
Aroclor 1268	ug/kg	100	1000	ND (14)	ND (13)	ND (15)	ND (17)	ND (14)	ND (14)	ND (15)	ND (15)	ND (14)	ND (15)	ND (15)
Aroclor 1262	ug/kg	100	1000	ND (21)	ND (21)	31.7 <sup>J</sup>	ND (27)	ND (22)	ND (22)	ND (24)	ND (24)	ND (22)	ND (24)	ND (23)

**Metals Analysis**

Aluminum	mg/kg	-	-	7300	5360	8310	17400	8740	8770	8530	14600	8440	9420	10400
Antimony	mg/kg	-	-	<2.1	<2.1	<2.4	<5.2 <sup>c</sup>	<2.1	<2.3	<2.2	<4.6 <sup>c</sup>	<2.2	<2.2	<2.2
Arsenic	mg/kg	13	16	<2.1	<2.1	8.8	<5.2 <sup>c</sup>	2.8	<2.3	<2.2	<4.6 <sup>c</sup>	<2.2	<2.2	<2.2
Barium	mg/kg	350	400	56.3	27.4	244	101	78.5	45.6	82.8	68	82.9	64.1	64.4
Beryllium	mg/kg	7.2	72	0.31	0.25	0.47	0.89 <sup>c</sup>	0.37	0.41	0.37	0.73 <sup>c</sup>	0.37	0.39	0.44
Cadmium	mg/kg	2.5	4.3	<0.54	<0.52	1	1.1	<0.53	<0.57	<0.55	<0.57	<0.54	<0.55	<0.54

Table 3.1 - Soil Analytical Table  
 June 08 - June 09, 2022  
 1 Water Street, White Plains, NY  
 Project No. 12392  
 SESI Consulting Engineers

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-16 (3-3.5)	SB-16 (12-12.5)	SB-17 (4.5-5)	SB-17 (12-12.5)	SB-18 (3-3.5)	SB-18 (10-10.5)	SB-19 (3.5-4)	SB-19 (11-11.5)	SB-20 (4-4.5)	SB-20 (10-10.5)	SB-21 (3.5-4)
Lab Sample ID:				JD46262-1	JD46262-2	JD46262-3	JD46262-4	JD46262-5	JD46262-6	JD46262-7	JD46262-8	JD46262-9	JD46262-10	JD46262-11
Date Sampled:				6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022	6/8/2022
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Calcium	mg/kg	-		17300	1010	31700	1780	18200	2130	8350	1470	5230	3450	2890
Chromium	mg/kg	-	-	16	9.8	18.8	32.9	16.1	15.8	17.3	26.5	18	18.3	17.7
Cobalt	mg/kg	-		5.9	<5.2	6.7	13.0 <sup>c</sup>	6	6.6	6.4	11.7 <sup>c</sup>	6	6.7	6
Copper	mg/kg	50	270	21.3	9.5	58.9	27.9 <sup>c</sup>	21.1	15.1	18.6	22.0 <sup>c</sup>	17	19.7	18.5
Iron	mg/kg	-		14500	9900	17600	28000	14100	14200	14300	22100	14800	14800	15000
Lead	mg/kg	63	400	18	2.9	777	7.2 <sup>c</sup>	54.9	4.2	38.9	7.9 <sup>c</sup>	32.9	19.8	13.5
Magnesium	mg/kg	-	-	9130	2480	4320	8070	5030	4440	4410	5820	3520	3930	3440
Manganese	mg/kg	1600	2000	170	91.6	249	433	226	285	299	472	239	226	199
Mercury	mg/kg	0.18	0.81	<0.031	<0.032	0.64	<0.039	0.059	<0.032	0.095	0.041	0.04	0.064	<0.035
Nickel	mg/kg	30	310	12.2	9	17.2	29	11.8	13	12.1	21.7	13.1	13.2	12.9
Potassium	mg/kg	-	-	1760	1200	1310	4840	1800	1610	1770	3130	2020	1660	1740
Selenium	mg/kg	3.9	180	<2.1	<2.1	<2.4	<5.2 <sup>c</sup>	<2.1	<2.3	<2.2	<4.6 <sup>c</sup>	<2.2	<2.2	<2.2
Silver	mg/kg	2	180	<0.54	<0.52	0.78	<1.3 <sup>c</sup>	<0.53	<0.57	<0.55	<1.1 <sup>c</sup>	<0.54	<0.55	<0.54
Sodium	mg/kg	-	-	<1100	<1000	<1200	<1300	<1100	<1100	<1100	<1100	<1100	<1100	<1100
Thallium	mg/kg	-		<1.1	<1.0	<1.2	<2.6 <sup>c</sup>	<1.1	<1.1	<1.1	<2.3 <sup>c</sup>	<1.1	<1.1	<1.1
Vanadium	mg/kg	-		28.1	12.4	28.9	46.3	24.7	20.7	22.8	32.6	24.5	23.9	24.1
Zinc	mg/kg	109	10000	38.7	23.1	318	66.6	69.1	62	59	60.4	44.3	38.8	38.6
<b>General Chemistry</b>														
Cyanide	mg/kg	27	27	0.29	<0.25	0.35	<0.32	0.29	0.31	0.31	0.31	0.34	<0.24	<0.29
Solids, Percent	%	-	-	93.2	96.6	88.1	78.2	92	88.8	90.3	84.3	92.3	89.5	91.4

Detected above the MDL  
 Exceeds standard

Table 3.1 - Soil Analytical Table  
June 08 - June 09, 2022  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-21 (13-13.5)	SB-22 (4-4.5)	SB-22 (11-11.5)	SB-23(4-4.5)	SB-23(11-11.5)	SB-24(2-2.5)	SB-24(10-10.5)
Lab Sample ID:				JD46262-12	JD46262-13	JD46262-14	JD46495-4	JD46495-5	JD46495-6	JD46495-7
Date Sampled:				6/8/2022	6/8/2022	6/8/2022	6/9/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>MS Volatiles (SW846 8260D)</b>										
Acetone	ug/kg	50	100000	116	51.9	320	11.3	51.2	5.1 J	9.0 J
Benzene	ug/kg	60	4800	ND (0.53)	ND (0.44)	0.52 J	ND (0.49)	ND (0.74)	ND (0.46)	ND (0.59)
Bromochloromethane	ug/kg	-	-	ND (0.65)	ND (0.54)	ND (0.62)	ND (0.60)	ND (0.92)	ND (0.57)	ND (0.72)
Bromodichloromethane	ug/kg	-	-	ND (0.50)	ND (0.41)	ND (0.48)	ND (0.46)	ND (0.70)	ND (0.44)	ND (0.55)
Bromoform	ug/kg	-	-	ND (1.6) <sup>d</sup>	ND (1.3) <sup>d</sup>	ND (1.5) <sup>d</sup>	ND (1.5) <sup>d</sup>	ND (2.2) <sup>d</sup>	ND (1.4) <sup>d</sup>	ND (1.8) <sup>d</sup>
Bromomethane	ug/kg	-	-	ND (0.89) <sup>e</sup>	ND (0.74) <sup>e</sup>	ND (0.85) <sup>e</sup>	ND (0.82) <sup>b</sup>	ND (1.2) <sup>g</sup>	ND (0.78) <sup>g</sup>	ND (0.98) <sup>g</sup>
2-Butanone (MEK)	ug/kg	120	100000	12.6	8.3 J	52	ND (2.6)	10.1 J	ND (2.5)	ND (3.1)
Carbon disulfide	ug/kg	-	-	ND (0.62)	ND (0.52)	3.6	ND (0.58)	ND (0.87)	ND (0.54)	ND (0.69)
Carbon tetrachloride	ug/kg	760	2400	ND (0.72)	ND (0.60)	ND (0.69)	ND (0.67)	ND (1.0)	ND (0.63)	ND (0.80)
Chlorobenzene	ug/kg	1100	100000	ND (0.53)	ND (0.44)	0.69 J	ND (0.49)	ND (0.75)	ND (0.47)	ND (0.59)
Chloroethane	ug/kg	-	-	ND (0.68) <sup>e</sup>	ND (0.57) <sup>e</sup>	ND (0.66) <sup>e</sup>	ND (0.64) <sup>b</sup>	ND (0.97) <sup>g</sup>	ND (0.60) <sup>g</sup>	ND (0.76) <sup>g</sup>
Chloroform	ug/kg	370	49000	ND (0.60)	ND (0.50)	ND (0.58)	ND (0.56)	ND (0.85)	ND (0.53)	ND (0.67)
Chloromethane	ug/kg	-	-	ND (2.3) <sup>a</sup>	ND (1.9) <sup>a</sup>	ND (2.2) <sup>a</sup>	ND (2.1) <sup>a</sup>	ND (3.2) <sup>a</sup>	ND (2.0) <sup>a</sup>	ND (2.5) <sup>a</sup>
Cyclohexane	ug/kg	-	-	ND (0.76)	ND (0.63)	ND (0.73)	ND (0.71)	ND (1.1)	ND (0.67)	ND (0.85)
1,2-Dibromo-3-chloropropane	ug/kg	-	-	ND (0.80)	ND (0.67)	ND (0.77)	ND (0.75)	ND (1.1)	ND (0.71)	ND (0.89)
Dibromochloromethane	ug/kg	-	-	ND (0.65)	ND (0.54)	ND (0.62)	ND (0.60)	ND (0.92)	ND (0.57)	ND (0.72)
1,2-Dibromoethane	ug/kg	-	-	ND (0.49)	ND (0.41)	ND (0.47)	ND (0.45)	ND (0.69)	ND (0.43)	ND (0.54)
1,2-Dichlorobenzene	ug/kg	1100	100000	ND (0.63)	ND (0.53)	ND (0.61)	ND (0.59)	ND (0.89)	ND (0.56)	ND (0.70)
1,3-Dichlorobenzene	ug/kg	2400	49000	ND (0.57)	ND (0.48)	ND (0.55)	ND (0.53)	ND (0.81)	ND (0.51)	ND (0.64)
1,4-Dichlorobenzene	ug/kg	1800	13000	ND (0.57)	ND (0.48)	ND (0.55)	ND (0.53)	ND (0.81)	ND (0.50)	ND (0.64)
Dichlorodifluoromethane	ug/kg	-	-	ND (0.84) <sup>a</sup>	ND (0.70) <sup>a</sup>	ND (0.81) <sup>a</sup>	ND (0.78) <sup>a</sup>	ND (1.2) <sup>a</sup>	ND (0.74) <sup>a</sup>	ND (0.94) <sup>a</sup>
1,1-Dichloroethane	ug/kg	270	26000	ND (0.57)	ND (0.48)	ND (0.55)	ND (0.53)	ND (0.81)	ND (0.50)	ND (0.64)
1,2-Dichloroethane	ug/kg	20	3100	ND (0.54)	ND (0.45)	ND (0.52)	ND (0.51)	ND (0.77)	ND (0.48)	ND (0.61)
1,1-Dichloroethene	ug/kg	330	100000	ND (0.76)	ND (0.63)	ND (0.73)	ND (0.71)	ND (1.1)	ND (0.67)	ND (0.84)
cis-1,2-Dichloroethene	ug/kg	250	100000	ND (0.97)	ND (0.81)	ND (0.93)	ND (0.91)	ND (1.4)	ND (0.86)	ND (1.1)
trans-1,2-Dichloroethene	ug/kg	190	100000	ND (0.71)	ND (0.59)	ND (0.68)	ND (0.66)	ND (1.0)	ND (0.62)	ND (0.79)
1,2-Dichloropropane	ug/kg	-	-	ND (0.55)	ND (0.46)	ND (0.52)	ND (0.51)	ND (0.77)	ND (0.48)	ND (0.61)
cis-1,3-Dichloropropene	ug/kg	-	-	ND (0.55)	ND (0.46)	ND (0.53)	ND (0.51)	ND (0.78)	ND (0.48)	ND (0.61)
trans-1,3-Dichloropropene	ug/kg	-	-	ND (0.53)	ND (0.44)	ND (0.51)	ND (0.49)	ND (0.75)	ND (0.47)	ND (0.59)
Ethylbenzene	ug/kg	1000	41000	ND (0.52)	ND (0.44)	ND (0.50)	ND (0.49)	ND (0.74)	ND (0.46)	ND (0.58)
Freon 113	ug/kg	-	-	ND (3.1)	ND (2.6)	ND (3.0)	ND (2.9)	ND (4.4)	ND (2.7)	ND (3.4)
2-Hexanone	ug/kg	-	-	ND (2.5)	ND (2.0)	ND (2.4)	ND (2.3)	ND (3.5)	ND (2.2)	ND (2.7)
Isopropylbenzene	ug/kg	-	-	ND (1.6)	ND (1.4)	ND (1.6)	ND (1.5)	ND (2.3)	ND (1.4)	ND (1.8)
Methyl Acetate	ug/kg	-	-	ND (1.6)	ND (1.3)	ND (1.5)	ND (1.5)	ND (2.3)	ND (1.4)	ND (1.8)
Methylcyclohexane	ug/kg	-	-	ND (1.0)	ND (0.84)	ND (0.97)	ND (0.94)	ND (1.4)	ND (0.89)	ND (1.1)
Methyl Tert Butyl Ether	ug/kg	930	100000	ND (0.54)	ND (0.45)	ND (0.52)	ND (0.51)	ND (0.77)	ND (0.48)	ND (0.60)
4-Methyl-2-pentanone(MIBK)	ug/kg	-	-	ND (2.6)	ND (2.2)	ND (2.5)	ND (2.4)	ND (3.7)	ND (2.3)	ND (2.9)
Methylene chloride	ug/kg	50	100000	ND (3.0)	ND (2.5)	ND (2.9)	ND (2.8)	ND (4.3)	ND (2.7)	ND (3.4)
Styrene	ug/kg	-	-	ND (0.47)	ND (0.39)	ND (0.45)	ND (0.43)	ND (0.66)	ND (0.41)	ND (0.52)
1,1,1,2-Tetrachloroethane	ug/kg	-	-	ND (0.69)	ND (0.58)	ND (0.66)	ND (0.65)	ND (0.98)	ND (0.61)	ND (0.77)
Tetrachloroethene	ug/kg	1300	19000	ND (0.67)	ND (0.56)	ND (0.64)	ND (0.63)	ND (0.95)	ND (0.59)	ND (0.75)
Toluene	ug/kg	700	100000	ND (0.61)	ND (0.51)	ND (0.58)	ND (0.57)	ND (0.86)	ND (0.53)	ND (0.68)

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June 08 - June 09, 2022  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-21 (13-13.5)	SB-22 (4-4.5)	SB-22 (11-11.5)	SB-23(4-4.5)	SB-23(11-11.5)	SB-24(2-2.5)	SB-24(10-10.5)
Lab Sample ID:				JD46262-12	JD46262-13	JD46262-14	JD46495-4	JD46495-5	JD46495-6	JD46495-7
Date Sampled:				6/8/2022	6/8/2022	6/8/2022	6/9/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil
1,2,3-Trichlorobenzene	ug/kg	-		ND (2.9) <sup>a</sup>	ND (2.4) <sup>a</sup>	ND (2.8) <sup>a</sup>	ND (2.7) <sup>a</sup>	ND (4.1) <sup>a</sup>	ND (2.5) <sup>a</sup>	ND (3.2) <sup>a</sup>
1,2,4-Trichlorobenzene	ug/kg	-		ND (2.9)	ND (2.4)	ND (2.8)	ND (2.7)	ND (4.1)	ND (2.5)	ND (3.2)
1,1,1-Trichloroethane	ug/kg	680	100000	ND (0.56)	ND (0.47)	ND (0.54)	ND (0.52)	ND (0.79)	ND (0.49)	ND (0.62)
1,1,2-Trichloroethane	ug/kg	-	-	ND (0.64)	ND (0.53)	ND (0.61)	ND (0.60)	ND (0.91)	ND (0.56)	ND (0.71)
Trichloroethene	ug/kg	470	21000	ND (0.88)	ND (0.74)	ND (0.84)	ND (0.82)	ND (1.2)	ND (0.78)	ND (0.98)
Trichlorofluoromethane	ug/kg	-	-	ND (0.79)	8	169	ND (0.74)	ND (1.1)	ND (0.70)	ND (0.88)
Vinyl chloride	ug/kg	20	900	ND (0.56)	ND (0.46)	ND (0.53)	ND (0.52)	ND (0.79)	ND (0.49)	ND (0.62)
m,p-Xylene	ug/kg	260	100000	ND (1.0)	ND (0.87)	ND (0.99)	ND (0.97)	ND (1.5)	ND (0.91)	ND (1.2)
o-Xylene	ug/kg	260	100000	ND (0.53)	ND (0.44)	0.59 J	ND (0.49)	ND (0.75)	ND (0.47)	ND (0.59)
Xylene (total)	ug/kg	260	100000	ND (0.53)	ND (0.44)	0.59 J	ND (0.49)	ND (0.75)	ND (0.47)	ND (0.59)
<b>MS Volatile TIC</b>										
Total TIC, Volatile	ug/kg	-	-	0	0	35.3 J	0	0	0	0
<b>MS Semi-volatiles (SW846 8270E)</b>										
2-Chlorophenol	ug/kg	-		ND (20)	ND (19)	ND (19)	ND (17)	ND (24)	ND (17)	ND (16)
4-Chloro-3-methyl phenol	ug/kg	-	-	ND (25)	ND (24)	ND (24)	ND (22)	ND (30)	ND (22)	ND (20)
2,4-Dichlorophenol	ug/kg	-		ND (35)	ND (33)	ND (33)	ND (30)	ND (42)	ND (30)	ND (28)
2,4-Dimethylphenol	ug/kg	-	-	ND (73)	ND (68)	ND (69)	ND (63)	ND (87)	ND (63)	ND (58)
2,4-Dinitrophenol	ug/kg	-		ND (150)	ND (140)	ND (140)	ND (130)	ND (180)	ND (130)	ND (120)
4,6-Dinitro-o-cresol	ug/kg	-	-	ND (44)	ND (41)	ND (41)	ND (38)	ND (52)	ND (38)	ND (35)
2-Methylphenol	ug/kg	330	100000	ND (26)	ND (25)	ND (25)	ND (23)	ND (31)	ND (23)	ND (21)
3&4-Methylphenol	ug/kg	-	-	ND (34)	ND (32)	ND (32)	ND (29)	ND (40)	ND (29)	ND (27)
2-Nitrophenol	ug/kg	-		ND (27)	ND (25)	ND (25)	ND (23)	ND (32)	ND (23)	ND (22)
4-Nitrophenol	ug/kg	-		ND (110)	ND (100)	ND (100)	ND (94)	ND (130)	ND (94)	ND (88)
Pentachlorophenol	ug/kg	800	6700	ND (39)	ND (36)	ND (36)	ND (33)	ND (46)	ND (33)	ND (31)
Phenol	ug/kg	330	100000	ND (21)	ND (20)	ND (20)	ND (18)	ND (26)	ND (18)	ND (17)
2,3,4,6-Tetrachlorophenol	ug/kg	-	-	ND (27)	ND (25)	ND (26)	ND (23)	ND (32)	ND (23)	ND (22)
2,4,5-Trichlorophenol	ug/kg	-		ND (31)	ND (29)	ND (29)	ND (26)	ND (37)	ND (26)	ND (25)
2,4,6-Trichlorophenol	ug/kg	-		ND (25)	ND (23)	ND (23)	ND (21)	ND (29)	ND (21)	ND (20)
Acenaphthene	ug/kg	20000	100000	ND (14)	ND (13)	208	ND (12)	ND (17)	ND (12)	ND (11)
Acenaphthylene	ug/kg	100000	100000	ND (21)	55.9	81.8	54	ND (25)	117	ND (17)
Acetophenone	ug/kg	-	-	ND (8.9)	ND (8.2)	ND (8.3)	ND (7.6)	ND (11)	ND (7.6)	ND (7.1)
Anthracene	ug/kg	100000	100000	28.5 J	66.6	875	32.6 J	ND (30)	59.1	ND (20)
Atrazine	ug/kg	-	-	ND (18)	ND (16)	ND (16)	ND (15)	ND (21)	ND (15)	ND (14)
Benzo(a)anthracene	ug/kg	1000	1000	120	250	1670	110	ND (14)	204	ND (9.3)
Benzo(a)pyrene	ug/kg	1000	1000	112	293	1200	131	ND (22)	234	ND (15)
Benzo(b)fluoranthene	ug/kg	1000	1000	139	364	1350	181	ND (22)	308	ND (14)
Benzo(g,h,i)perylene	ug/kg	100000	100000	80	218	547	87.2	ND (24)	209	ND (16)
Benzo(k)fluoranthene	ug/kg	800	3900	53.7	131	512	59.7	ND (23)	102	ND (15)
4-Bromophenyl phenyl ether	ug/kg	-	-	ND (16)	ND (15)	ND (15)	ND (14)	ND (19)	ND (14)	ND (13)
Butyl benzyl phthalate	ug/kg	-		ND (10)	ND (9.4)	ND (9.4)	ND (8.6)	ND (12)	ND (8.6)	ND (8.0)
1,1'-Biphenyl	ug/kg	-		ND (5.6)	8.1 J	25.9 J	ND (4.8)	ND (6.7)	ND (4.8)	ND (4.5)

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Lab Sample ID:				JD46262-12	JD46262-13	JD46262-14	JD46495-4	JD46495-5	JD46495-6	JD46495-7
Date Sampled:				6/8/2022	6/8/2022	6/8/2022	6/9/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil
Benzaldehyde	ug/kg	-	-	ND (10)	ND (9.5)	ND (9.6)	ND (8.7)	ND (12)	ND (8.8)	ND (8.1)
2-Chloronaphthalene	ug/kg	-	-	ND (9.8)	ND (9.1)	ND (9.2)	ND (8.4)	ND (12)	ND (8.4)	ND (7.8)
4-Chloroaniline	ug/kg	-	-	ND (15)	ND (14)	ND (14)	ND (13)	ND (18)	ND (13)	ND (12)
Carbazole	ug/kg	-	-	14.9 J	23.3 J	111	10.2 J	ND (7.1)	19.4 J	ND (4.8)
Caprolactam	ug/kg	-	-	ND (16)	ND (15)	ND (15)	ND (14)	ND (19)	ND (14)	ND (13)
Chrysene	ug/kg	1000	3900	122	278	1510	121	ND (15)	234	ND (10)
bis(2-Chloroethoxy)methane	ug/kg	-	-	ND (8.8)	ND (8.2)	ND (8.2)	ND (7.5)	ND (10)	ND (7.6)	ND (7.0)
bis(2-Chloroethyl)ether	ug/kg	-	-	ND (18)	ND (17)	ND (17)	ND (15)	ND (21)	ND (15)	ND (14)
2,2'-Oxybis(1-chloropropane)	ug/kg	-	-	ND (15)	ND (14)	ND (14)	ND (13)	ND (18)	ND (13)	ND (12)
4-Chlorophenyl phenyl ether	ug/kg	-	-	ND (13)	ND (12)	ND (12)	ND (11)	ND (16)	ND (11)	ND (11)
2,4-Dinitrotoluene	ug/kg	-	-	ND (13)	ND (12)	ND (12)	ND (11)	ND (15)	ND (11)	ND (10)
2,6-Dinitrotoluene	ug/kg	-	-	ND (21)	ND (19)	ND (19)	ND (18)	ND (25)	ND (18)	ND (16)
3,3'-Dichlorobenzidine	ug/kg	-	-	ND (34)	ND (32)	ND (32)	ND (29)	ND (41)	ND (30)	ND (27)
1,4-Dioxane	ug/kg	100	13000	ND (27)	ND (25)	ND (25)	ND (23)	ND (32)	ND (23)	ND (22)
Dibenzo(a,h)anthracene	ug/kg	330	330	29.6 J	62.3	205	28.5 J	ND (22)	53	ND (14)
Dibenzofuran	ug/kg	7000	59000	ND (17)	ND (16)	62.9 J	ND (14)	ND (20)	ND (14)	ND (13)
Di-n-butyl phthalate	ug/kg	-	-	ND (6.7)	ND (6.3)	ND (6.3)	ND (5.7)	ND (8.0)	ND (5.8)	ND (5.3)
Di-n-octyl phthalate	ug/kg	-	-	ND (10)	ND (9.6)	ND (9.6)	ND (8.8)	ND (12)	ND (8.8)	ND (8.2)
Diethyl phthalate	ug/kg	-	-	ND (8.8)	ND (8.2)	ND (8.2)	ND (7.5)	ND (10)	ND (7.5)	ND (7.0)
Dimethyl phthalate	ug/kg	-	-	ND (7.3)	ND (6.8)	ND (6.9)	ND (6.3)	ND (8.7)	ND (6.3)	ND (5.8)
bis(2-Ethylhexyl)phthalate	ug/kg	-	-	ND (9.6)	13.4 J	ND (9.0)	ND (8.2)	ND (11)	14.7 J	ND (7.7)
Fluoranthene	ug/kg	100000	100000	210	400	2710	125	ND (22)	303	ND (15)
Fluorene	ug/kg	30000	100000	ND (19)	ND (18)	255	ND (16)	ND (22)	19.4 J	ND (15)
Hexachlorobenzene	ug/kg	330	1200	ND (10)	ND (9.7)	ND (9.7)	ND (8.9)	ND (12)	ND (8.9)	ND (8.3)
Hexachlorobutadiene	ug/kg	-	-	ND (17)	ND (15)	ND (15)	ND (14)	ND (20)	ND (14)	ND (13)
Hexachlorocyclopentadiene	ug/kg	-	-	ND (16)	ND (15)	ND (15)	ND (14)	ND (19)	ND (14)	ND (13)
Hexachloroethane	ug/kg	-	-	ND (20)	ND (19)	ND (19)	ND (17)	ND (24)	ND (18)	ND (16)
Indeno(1,2,3-cd)pyrene	ug/kg	500	500	97.6	254	705	118	ND (23)	207	ND (15)
Isophorone	ug/kg	-	-	ND (8.8)	ND (8.2)	ND (8.2)	ND (7.5)	ND (10)	ND (7.6)	ND (7.0)
2-Methylnaphthalene	ug/kg	-	-	ND (9.3)	28.1 J	79.2	12.4 J	ND (11)	21.2 J	ND (7.4)
2-Nitroaniline	ug/kg	-	-	ND (9.7)	ND (9.1)	ND (9.1)	ND (8.3)	ND (12)	ND (8.3)	ND (7.7)
3-Nitroaniline	ug/kg	-	-	ND (10)	ND (9.6)	ND (9.6)	ND (8.8)	ND (12)	ND (8.8)	ND (8.2)
4-Nitroaniline	ug/kg	-	-	ND (11)	ND (9.9)	ND (10)	ND (9.1)	ND (13)	ND (9.2)	ND (8.5)
Naphthalene	ug/kg	12000	100000	ND (12)	28.9 J	177	14.7 J	ND (14)	37.3	ND (9.2)
Nitrobenzene	ug/kg	-	15000	ND (16)	ND (15)	ND (15)	ND (14)	ND (19)	ND (14)	ND (13)
N-Nitroso-di-n-propylamine	ug/kg	-	-	ND (12)	ND (11)	ND (11)	ND (10)	ND (14)	ND (10)	ND (9.5)
N-Nitrosodiphenylamine	ug/kg	-	-	ND (15)	ND (14)	ND (14)	ND (13)	ND (18)	ND (13)	ND (12)
Phenanthrene	ug/kg	100000	100000	131	191	2360	44.3	ND (16)	133	ND (11)
Pyrene	ug/kg	100000	100000	203	415	2670	160	ND (16)	349	ND (10)
1,2,4,5-Tetrachlorobenzene	ug/kg	-	-	ND (10)	ND (9.7)	ND (9.8)	ND (8.9)	ND (12)	ND (9.0)	ND (8.3)
<b>MS Semi-volatile TIC</b>										
Total TIC, Semi-Volatile	ug/kg	-	-	670 J	1680 J	11870 J	1510 J	12900 J	2640 J	270 J



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Lab Sample ID:				JD46262-12	JD46262-13	JD46262-14	JD46495-4	JD46495-5	JD46495-6	JD46495-7
Date Sampled:				6/8/2022	6/8/2022	6/8/2022	6/9/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil
<b>GC/LC Semi-volatiles (SW846 8081B)</b>										
Aldrin	ug/kg	5	97	ND (0.68)	ND (0.60)	ND (0.63)	ND (0.54)	ND (0.82)	ND (2.9)	ND (0.55)
alpha-BHC	ug/kg	20	480	ND (0.67)	ND (0.59)	ND (0.62)	ND (0.53)	ND (0.81)	ND (2.8)	ND (0.55)
beta-BHC	ug/kg	36	360	ND (0.75)	ND (0.66)	ND (0.69)	ND (0.59)	ND (0.90)	ND (3.2)	ND (0.61)
delta-BHC	ug/kg	40	100000	ND (0.80)	ND (0.70)	ND (0.74)	ND (0.63)	ND (0.96)	ND (3.4)	ND (0.65)
gamma-BHC (Lindane)	ug/kg	100	1300	ND (0.61)	ND (0.54)	ND (0.57)	ND (0.48)	ND (0.73)	ND (2.6)	ND (0.50)
alpha-Chlordane	ug/kg	94	4200	ND (0.67)	ND (0.59)	ND (0.62)	ND (0.53)	ND (0.80)	ND (2.8)	ND (0.54)
gamma-Chlordane	ug/kg	-	-	ND (0.38)	ND (0.33)	ND (0.35)	ND (0.30)	ND (0.45)	ND (1.6)	ND (0.30)
Dieldrin	ug/kg	5	200	ND (0.57)	0.73	ND (0.53)	ND (0.45)	ND (0.68)	ND (2.4)	ND (0.46)
4,4'-DDD	ug/kg	3.3	13000	3.5 B	2.4	2.5 B	ND (0.60)	ND (0.91)	ND (3.2)	0.69
4,4'-DDE	ug/kg	3.3	8900	ND (0.73)	1.2	1.3	ND (0.58)	ND (0.87) <sup>h</sup>	ND (3.1)	ND (0.59)
4,4'-DDT	ug/kg	3.3	7900	9.9 B <sup>g</sup>	7.3 B	9.9 B <sup>g</sup>	16.1 B <sup>i</sup>	18.9 B	11.6 B	9.7 B <sup>j</sup>
Endrin	ug/kg	14	11000	ND (0.64)	ND (0.57)	ND (0.60)	ND (0.51)	ND (0.77)	ND (2.7)	ND (0.52)
Endosulfan sulfate	ug/kg	2400	24000	ND (0.65)	ND (0.57)	ND (0.60)	ND (0.51)	ND (0.78)	ND (2.7)	ND (0.53)
Endrin aldehyde	ug/kg	-	-	ND (0.47)	ND (0.41)	ND (0.44)	ND (0.37)	ND (0.56)	ND (2.0)	ND (0.38)
Endosulfan-I	ug/kg	2400	24000	ND (0.48)	ND (0.42)	ND (0.44)	ND (0.38)	ND (0.57)	ND (2.0)	ND (0.39)
Endosulfan-II	ug/kg	2400	24000	ND (0.52)	ND (0.45)	ND (0.48)	ND (0.41)	ND (0.62)	ND (2.2)	ND (0.42)
Heptachlor	ug/kg	42	2100	ND (0.71)	ND (0.63)	ND (0.66)	ND (0.57)	ND (0.86)	ND (3.0)	ND (0.58)
Heptachlor epoxide	ug/kg	-	-	ND (0.58)	ND (0.51)	ND (0.54)	ND (0.46)	ND (0.70)	ND (2.5)	ND (0.47)
Methoxychlor	ug/kg	-	-	ND (0.66)	ND (0.58)	ND (0.61)	ND (0.52)	ND (0.79)	ND (2.8)	ND (0.54)
Endrin ketone	ug/kg	-	-	ND (0.60)	ND (0.53)	ND (0.56)	ND (0.48)	ND (0.72)	ND (2.5)	ND (0.49)
Toxaphene	ug/kg	-	-	ND (19)	ND (17)	ND (18)	ND (15)	ND (23)	ND (82)	ND (16)
<b>GC/LC Semi-volatiles (SW846 8082A)</b>										
Aroclor 1016	ug/kg	100	1000	ND (19)	ND (17)	ND (18)	ND (15)	ND (23)	ND (17)	ND (16)
Aroclor 1221	ug/kg	100	1000	ND (26)	ND (23)	ND (24)	ND (20)	ND (31)	ND (22)	ND (21)
Aroclor 1232	ug/kg	100	1000	ND (26)	ND (23)	ND (25)	ND (21)	ND (32)	ND (23)	ND (21)
Aroclor 1242	ug/kg	100	1000	ND (17)	ND (15)	ND (16)	ND (13)	ND (20)	ND (15)	ND (14)
Aroclor 1248	ug/kg	100	1000	ND (37)	ND (33)	ND (34)	ND (29)	ND (44)	ND (32)	ND (30)
Aroclor 1254	ug/kg	100	1000	ND (22)	ND (20)	ND (21)	ND (18)	ND (27)	ND (19)	ND (18)
Aroclor 1260	ug/kg	100	1000	ND (18)	ND (16)	ND (16)	ND (14)	ND (21)	ND (15)	ND (14)
Aroclor 1268	ug/kg	100	1000	ND (17)	ND (15)	ND (16)	ND (14)	ND (21)	ND (15)	ND (14)
Aroclor 1262	ug/kg	100	1000	ND (27)	ND (24)	ND (25)	ND (21)	ND (33)	ND (24)	ND (22)
<b>Metals Analysis</b>										
Aluminum	mg/kg	-	-	18100	12600	16200	11500	26000	11600	5710
Antimony	mg/kg	-	-	<2.5	<2.3	<2.4	<2.1	<3.1	<2.2	<2.0
Arsenic	mg/kg	13	16	6.1	5.3	4.5	2.5	3.5	2.9	<2.0
Barium	mg/kg	350	400	236	92.3	126	100	173	64.1	32.2
Beryllium	mg/kg	7.2	72	0.73	0.54	0.62	0.45	0.94	0.46	0.25
Cadmium	mg/kg	2.5	4.3	<0.62	<0.58	<0.61	<0.52	<0.77	<0.55	<0.51

Table 3.1 - Soil Analytical Table  
 June 08 - June 09, 2022  
 1 Water Street, White Plains, NY  
 Project No. 12392  
 SESI Consulting Engineers

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-21 (13-13.5)	SB-22 (4-4.5)	SB-22 (11-11.5)	SB-23(4-4.5)	SB-23(11-11.5)	SB-24(2-2.5)	SB-24(10-10.5)
Lab Sample ID:	JD46262-12			JD46262-13	JD46262-14	JD46495-4	JD46495-5	JD46495-6	JD46495-7	
Date Sampled:	6/8/2022			6/8/2022	6/8/2022	6/9/2022	6/9/2022	6/9/2022	6/9/2022	
Matrix:	Soil			Soil	Soil	Soil	Soil	Soil	Soil	
Calcium	mg/kg	-		1870	3690	5050	4370	3110	5030	767
Chromium	mg/kg	-	-	27.4	27.1	27	19.6	36.7	21	8.7
Cobalt	mg/kg	-		9.1	8.2	8.5	7.3	10.5	7.5	<5.1
Copper	mg/kg	50	270	37.6	39	29.5	33.6	12	36.9	8.4
Iron	mg/kg	-		23500	20500	23400	17000	18700	16700	8030
Lead	mg/kg	63	400	365	190	134	188	9.5	57.7	2.3
Magnesium	mg/kg	-	-	4850	5760	5360	4580	5020	4530	2550
Manganese	mg/kg	1600	2000	297	292	336	336	237	292	175
Mercury	mg/kg	0.18	0.81	0.21	0.19	0.29	0.31	0.054	0.47	<0.032
Nickel	mg/kg	30	310	20.2	21.8	18.3	13.9	21.1	14.7	8.5
Potassium	mg/kg	-	-	1970	2130	2220	1770	<1500	1670	1410
Selenium	mg/kg	3.9	180	<2.5	<2.3	<2.4	<2.1	<3.1	<2.2	<2.0
Silver	mg/kg	2	180	<0.62	<0.58	<0.61	0.73	<0.77	<0.55	<0.51
Sodium	mg/kg	-	-	<1200	<1200	1360	<1000	1640	<1100	<1000
Thallium	mg/kg	-		<1.2	<1.2	<1.2	<1.0	<1.5	<1.1	<1.0
Vanadium	mg/kg	-		35.9	32.9	33.5	28.7	39.6	26.5	11.6
Zinc	mg/kg	109	10000	234	136	129	107	73.6	52.1	21.6
<b>General Chemistry</b>										
Cyanide	mg/kg	27	27	<0.33	<0.29	0.5	<0.31	<0.36	0.3	<0.27
Solids, Percent	%	-	-	79.9	86.3	85.1	92.8	66.5	90.9	97.1

Detected above the MDL  
 Exceeds standard

Table 3.3- Summary of Groundwater Results  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-1	GW-1	GW-2	GW-2	GW-3	GW-3	GW-4	GW-4	GW-5	GW-5	
Lab Sample ID:				JD26986-1	JD26986-1A	JD27065-1	JD27065-1A	JD27065-2	JD27065-2A	JD46262-15	JD46495-1A	JD46495-2	JD46495-2A	
Date Sampled:					6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/8/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:	CAS#				Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water

**MS Volatiles (SW846 8260D)**

Acetone	67-64-1	ug/l	50	ND (10)	-	ND (10)	-	ND (10)	-	ND (10) <sup>a</sup>	-	ND (10)	-
Benzene	71-43-2	ug/l	1	0.55	-	ND (0.50)	-	ND (0.50)	-	ND (0.50)	-	ND (0.50)	-
Bromochloromethane	74-97-5	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Bromodichloromethane	75-27-4	ug/l	50	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Bromoform	75-25-2	ug/l	50	ND (1.0) <sup>b</sup>	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Bromomethane	74-83-9	ug/l	5	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-
2-Butanone (MEK)	78-93-3	ug/l	50	ND (10)	-	ND (10)	-	ND (10)	-	ND (10)	-	ND (10) <sup>a</sup>	-
Carbon disulfide	75-15-0	ug/l	60	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-	ND (2.0) <sup>c</sup>	-
Carbon tetrachloride	56-23-5	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Chlorobenzene	108-90-7	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Chloroethane	75-00-3	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Chloroform	67-66-3	ug/l	7	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Chloromethane	74-87-3	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0) <sup>a</sup>	-
Cyclohexane	110-82-7	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-	ND (2.0) <sup>a</sup>	-
Dibromochloromethane	124-48-1	ug/l	50	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,2-Dibromoethane	106-93-4	ug/l	0.0006	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,2-Dichlorobenzene	95-50-1	ug/l	3	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,3-Dichlorobenzene	541-73-1	ug/l	3	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,4-Dichlorobenzene	106-46-7	ug/l	3	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Dichlorodifluoromethane	75-71-8	ug/l	5	ND (2.0)	-	ND (2.0) <sup>d</sup>	-	ND (2.0) <sup>d</sup>	-	ND (2.0)	-	ND (2.0)	-
1,1-Dichloroethane	75-34-3	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,2-Dichloroethane	107-06-2	ug/l	0.6	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,1-Dichloroethene	75-35-4	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0) <sup>e</sup>	-
cis-1,2-Dichloroethene	156-59-2	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
trans-1,2-Dichloroethene	156-60-5	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,2-Dichloropropane	78-87-5	ug/l	1	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
cis-1,3-Dichloropropene	10061-01-5	ug/l	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
trans-1,3-Dichloropropene	10061-02-6	ug/l	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Ethylbenzene	100-41-4	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Freon 113	76-13-1	ug/l	5	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-
2-Hexanone	591-78-6	ug/l	50	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0) <sup>a</sup>	-
Isopropylbenzene	98-82-8	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Methyl Acetate	79-20-9	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0) <sup>a</sup>	-
Methylcyclohexane	108-87-2	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-
Methyl Tert Butyl Ether	1634-04-4	ug/l	10	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0)	-	ND (5.0) <sup>a</sup>	-
Methylene chloride	75-09-2	ug/l	5	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-
Styrene	100-42-5	ug/l	5	ND (1.0) <sup>b</sup>	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,1,1,2-Tetrachloroethane	79-34-5	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0) <sup>a</sup>	-

Table 3.3- Summary of Groundwater Results  
 1 Water Street, White Plains, NY  
 Project No. 12392  
 SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-1	GW-1	GW-2	GW-2	GW-3	GW-3	GW-4	GW-4	GW-5	GW-5
Lab Sample ID:		JD26986-1		JD26986-1A	JD27065-1	JD27065-1A	JD27065-2	JD27065-2A	JD46262-15	JD46495-1A	JD46495-2	JD46495-2A	
Date Sampled:		6/21/2021		6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/8/2022	6/9/2022	6/9/2022	6/9/2022	
Matrix:	CAS#			Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Tetrachloroethene	127-18-4	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Toluene	108-88-3	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,1,1-Trichloroethane	71-55-6	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
1,1,2-Trichloroethane	79-00-5	ug/l	1	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Trichloroethene	79-01-6	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Trichlorofluoromethane	75-69-4	ug/l	5	21.7	-	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-	ND (2.0)	-
Vinyl chloride	75-01-4	ug/l	2	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
m,p-Xylene		ug/l	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
o-Xylene	95-47-6	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-
Xylene (total)	1330-20-7	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-	ND (1.0)	-

**MS Volatile TIC**

Total TIC, Volatile		ug/l	-	94.3	J	-	0	-	0	-	0	-	0	-
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**MS Semi-volatiles (EPA 537M BY ID)**

Perfluorobutanoic acid	375-22-4	ng/l	-	-	8.7	-	7.7	-	6.5	-	6.8	-	6.2
Perfluoropentanoic acid	2706-90-3	ng/l	-	-	14.3	-	18.5	-	9.3	-	4.2	-	7.4
Perfluorohexanoic acid	307-24-4	ng/l	-	-	14.2	-	17.6	-	5.9	-	4.1	-	6.5
Perfluoroheptanoic acid	375-85-9	ng/l	-	-	11	-	10.3	-	6.8	-	3.9	-	6.1
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	10	-	34.5	-	32.5	-	35.5	-	16.1	-	21.9
Perfluorononanoic acid	375-95-1	ng/l	-	-	1.9	-	1.4	J	ND (2.0)	-	ND (2.2)	-	10.2
Perfluorodecanoic acid	335-76-2	ng/l	-	-	ND (1.8)	-	ND (1.8)	-	ND (2.0)	-	ND (2.2)	-	ND (2.2)
Perfluoroundecanoic acid	2058-94-8	ng/l	-	-	ND (1.8)	-	ND (1.8)	-	ND (2.0) <sup>f</sup>	-	ND (2.2)	-	ND (2.2)
Perfluorododecanoic acid	307-55-1	ng/l	-	-	ND (1.8)	-	ND (1.8)	-	ND (2.0) <sup>f</sup>	-	ND (2.2)	-	ND (2.2)
Perfluorotridecanoic acid	72629-94-8	ng/l	-	-	ND (1.8)	-	ND (1.8)	-	ND (2.0) <sup>f</sup>	-	ND (2.2)	-	ND (2.2)
Perfluorotetradecanoic acid	376-06-7	ng/l	-	-	ND (1.8) <sup>g</sup>	-	ND (1.8)	-	ND (2.0)	-	ND (2.2)	-	ND (2.2)
Perfluorobutanesulfonic acid	375-73-5	ng/l	-	-	4	-	9.8	-	2.9	-	1.6	J	7.1
Perfluorohexanesulfonic acid	355-46-4	ng/l	-	-	10.6	-	4.7	-	6	-	1.9	J	3.3
Perfluoroheptanesulfonic acid	375-92-8	ng/l	-	-	ND (1.8)	-	ND (1.8)	-	ND (2.0)	-	ND (2.2)	-	ND (2.2)
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	10	-	25.3	-	20.1	-	ND (2.0)	-	5.6	-	38.9
Perfluorodecanesulfonic acid	335-77-3	ng/l	-	-	ND (1.8)	-	ND (1.8)	-	ND (2.0) <sup>f</sup>	-	ND (2.2)	-	ND (2.2)
PFOSA	754-91-6	ng/l	-	-	ND (3.6) <sup>f</sup>	-	ND (3.6)	-	ND (4.0) <sup>f</sup>	-	ND (4.3)	-	ND (4.3)
MeFOSAA	2355-31-9	ng/l	-	-	ND (3.6)	-	ND (3.6)	-	ND (4.0)	-	ND (4.3)	-	ND (4.3)
EtFOSAA	2991-50-6	ng/l	-	-	ND (3.6)	-	ND (3.6)	-	ND (4.0) <sup>f</sup>	-	ND (4.3)	-	ND (4.3)
6:2 Fluorotelomer sulfonate	27619-97-2	ng/l	-	-	34.1	-	ND (7.1)	-	ND (8.0)	-	ND (8.7)	-	ND (8.7)
8:2 Fluorotelomer sulfonate	39108-34-4	ng/l	-	-	3.3	J	ND (7.1)	-	ND (8.0)	-	ND (8.7)	-	ND (8.7)

**MS Semi-volatiles (SW846 8270E)**

2-Chlorophenol	95-57-8	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-
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Table 3.3- Summary of Groundwater Results

1 Water Street, White Plains, NY

Project No. 12392

SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-1	GW-1	GW-2	GW-2	GW-3	GW-3	GW-4	GW-4	GW-5	GW-5	
Lab Sample ID:				JD26986-1	JD26986-1A	JD27065-1	JD27065-1A	JD27065-2	JD27065-2A	JD46262-15	JD46495-1A	JD46495-2	JD46495-2A	
Date Sampled:					6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/8/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:	CAS#				Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
4-Chloro-3-methyl phenol	59-50-7	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
2,4-Dichlorophenol	120-83-2	ug/l	1	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
2,4-Dimethylphenol	105-67-9	ug/l	1	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
2,4-Dinitrophenol	51-28-5	ug/l	1	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
4,6-Dinitro-o-cresol	534-52-1	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
2-Methylphenol	95-48-7	ug/l	-	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
3&4-Methylphenol		ug/l	-	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
2-Nitrophenol	88-75-5	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
4-Nitrophenol	100-02-7	ug/l	-	ND (10)	-	ND (10)	-	ND (11)	-	ND (10)	-	ND (50)	-	
Pentachlorophenol	87-86-5	ug/l	1	1.7	J	ND (4.0)	-	ND (4.2)	-	ND (4.0)	-	ND (20)	-	
Phenol	108-95-2	ug/l	1	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
2,4,5-Trichlorophenol	95-95-4	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
2,4,6-Trichlorophenol	88-06-2	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
Acenaphthene	83-32-9	ug/l	20	ND (1.0)	-	ND (1.0)	-	ND (1.1)	-	ND (1.0)	-	7.5	-	
Acenaphthylene	208-96-8	ug/l	-	ND (1.0) <sup>h</sup>	-	1.3	-	ND (1.1)	-	ND (1.0)	-	2.6	J	
Acetophenone	98-86-2	ug/l	-	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
Anthracene	120-12-7	ug/l	50	ND (1.0)	-	0.53	J	ND (1.1)	-	ND (1.0)	-	15.3	-	
Atrazine	1912-24-9	ug/l	7.5	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
Benzaldehyde	100-52-7	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
Benzo(a)anthracene	56-55-3	ug/l	0.002	0.24	J	1.6	-	ND (1.1)	-	ND (1.0)	-	40.3	-	
Benzo(a)pyrene	50-32-8	ug/l	ND	ND (1.0)	-	2.7	-	ND (1.1)	-	ND (1.0)	-	34.2	-	
Benzo(b)fluoranthene	205-99-2	ug/l	0.002	ND (1.0)	-	2.9	-	ND (1.1)	-	ND (1.0)	-	37.5	-	
Benzo(g,h,i)perylene	191-24-2	ug/l	-	ND (1.0)	-	3.1	-	ND (1.1)	-	ND (1.0)	-	19.6	-	
Benzo(k)fluoranthene	207-08-9	ug/l	0.002	ND (1.0)	-	0.98	J	ND (1.1)	-	ND (1.0)	-	12.8	-	
4-Bromophenyl phenyl ether	101-55-3	ug/l	-	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
Butyl benzyl phthalate	85-68-7	ug/l	50	ND (2.0)	-	ND (2.0) <sup>b</sup>	-	ND (2.1) <sup>b</sup>	-	ND (2.0)	-	ND (10)	-	
1,1'-Biphenyl	92-52-4	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.1)	-	ND (1.0)	-	1.2	J	
2-Chloronaphthalene	91-58-7	ug/l	-	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
4-Chloroaniline	106-47-8	ug/l	5	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
Carbazole	86-74-8	ug/l	-	ND (1.0)	-	ND (1.0)	-	ND (1.1)	-	ND (1.0)	-	3.6	J	
Caprolactam	105-60-2	ug/l	-	ND (2.0) <sup>h</sup>	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
Chrysene	218-01-9	ug/l	0.002	ND (1.0)	-	1.9	-	ND (1.1)	-	ND (1.0)	-	40.5	-	
bis(2-Chloroethoxy)methane	111-91-1	ug/l	5	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
bis(2-Chloroethyl)ether	111-44-4	ug/l	1	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
2,2'-Oxybis(1-chloropropane)	108-60-1	ug/l	5	ND (2.0) <sup>h</sup>	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	-	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
2,4-Dinitrotoluene	121-14-2	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.1)	-	ND (1.0)	-	ND (5.0)	-	
2,6-Dinitrotoluene	606-20-2	ug/l	5	ND (1.0)	-	ND (1.0)	-	ND (1.1)	-	ND (1.0)	-	ND (5.0)	-	
3,3'-Dichlorobenzidine	91-94-1	ug/l	5	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
1,4-Dioxane	123-91-1	ug/l	-	ND (1.0) <sup>h</sup>	-	ND (1.0) <sup>b</sup>	-	ND (1.1) <sup>b</sup>	-	ND (1.0)	-	4.1	J	
Dibenzo(a,h)anthracene	53-70-3	ug/l	-	ND (1.0)	-	0.53	J	ND (1.1)	-	ND (1.0)	-	5.7	-	
Dibenzofuran	132-64-9	ug/l	-	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	3.2	J	
Di-n-butyl phthalate	84-74-2	ug/l	50	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	

Table 3.3- Summary of Groundwater Results  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-1	GW-1	GW-2	GW-2	GW-3	GW-3	GW-4	GW-4	GW-5	GW-5	
Lab Sample ID:				JD26986-1	JD26986-1A	JD27065-1	JD27065-1A	JD27065-2	JD27065-2A	JD46262-15	JD46495-1A	JD46495-2	JD46495-2A	
Date Sampled:					6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/8/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:	CAS#				Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
Di-n-octyl phthalate	117-84-0	ug/l	50	ND (2.0)	-	ND (2.0) <sup>b</sup>	-	ND (2.1) <sup>b</sup>	-	ND (2.0)	-	ND (10) <sup>b</sup>	-	
Diethyl phthalate	84-66-2	ug/l	50	0.31	J	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	1.9	J	
Dimethyl phthalate	131-11-3	ug/l	-	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	5	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
Fluoranthene	206-44-0	ug/l	50	ND (1.0)	-	1.6	-	ND (1.1)	-	ND (1.0)	-	69.2	-	
Fluorene	86-73-7	ug/l	50	ND (1.0)	-	ND (1.0)	-	ND (1.1)	-	ND (1.0)	-	7.5	-	
Hexachlorobenzene	118-74-1	ug/l	0.04	ND (1.0)	-	ND (1.0)	-	ND (1.1)	-	ND (1.0)	-	ND (5.0)	-	
Hexachlorobutadiene	87-68-3	ug/l	0.5	ND (1.0)	-	ND (1.0)	-	ND (1.1)	-	ND (1.0)	-	ND (5.0)	-	
Hexachlorocyclopentadiene	77-47-4	ug/l	5	ND (10) <sup>h</sup>	-	ND (10) <sup>h</sup>	-	ND (11) <sup>h</sup>	-	ND (10) <sup>h</sup>	-	ND (50)	-	
Hexachloroethane	67-72-1	ug/l	5	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	0.002	ND (1.0)	-	2.5	-	ND (1.1)	-	ND (1.0)	-	19.5	-	
Isophorone	78-59-1	ug/l	50	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
2-Methylnaphthalene	91-57-6	ug/l	-	ND (1.0)	-	0.25	J	ND (1.1)	-	ND (1.0)	-	ND (5.0)	-	
2-Nitroaniline	88-74-4	ug/l	5	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
3-Nitroaniline	99-09-2	ug/l	5	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
4-Nitroaniline	100-01-6	ug/l	5	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
Naphthalene	91-20-3	ug/l	10	ND (1.0)	-	0.47	J	ND (1.1)	-	ND (1.0)	-	1.6	J	
Nitrobenzene	98-95-3	ug/l	0.4	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
N-Nitroso-di-n-propylamine	621-64-7	ug/l	-	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
N-Nitrosodiphenylamine	86-30-6	ug/l	50	ND (5.0)	-	ND (5.0)	-	ND (5.3)	-	ND (5.0)	-	ND (25)	-	
Phenanthrene	85-01-8	ug/l	50	ND (1.0)	-	0.74	J	ND (1.1)	-	ND (1.0)	-	61.2	-	
Pyrene	129-00-0	ug/l	50	ND (1.0)	-	3	-	ND (1.1)	-	ND (1.0)	-	83.8	-	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	5	ND (2.0)	-	ND (2.0)	-	ND (2.1)	-	ND (2.0)	-	ND (10)	-	
<b>MS Semi-volatiles (SW846 8270E BY SIM)</b>														
1,4-Dioxane	123-91-1	ug/l	-	ND (0.10) <sup>b</sup>	-	ND (0.10) <sup>d</sup>	-	ND (0.11) <sup>d</sup>	-	ND (0.10)	-	3.09	-	
<b>MS Semi-volatile TIC</b>														
Total TIC, Semi-Volatile		ug/l	-	47.6	J	0	-	0	-	13	J	116	J	
<b>GC/LC Semi-volatiles (SW846 8081B)</b>														
Aldrin	309-00-2	ug/l	ND	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
alpha-BHC	319-84-6	ug/l	0.01	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
beta-BHC	319-85-7	ug/l	0.04	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
delta-BHC	319-86-8	ug/l	0.04	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
gamma-BHC (Lindane)	58-89-9	ug/l	0.05	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
alpha-Chlordane	5103-71-9	ug/l	-	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
gamma-Chlordane	5103-74-2	ug/l	-	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
Chlordane (alpha and gamma)	57-74-9	ug/l	-	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	-	-	-	-	
Dieldrin	60-57-1	ug/l	0.004	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
4,4'-DDD	72-54-8	ug/l	0.3	ND (0.010)	-	0.028	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
4,4'-DDE	72-55-9	ug/l	0.2	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	

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Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-1	GW-1	GW-2	GW-2	GW-3	GW-3	GW-4	GW-4	GW-5	GW-5	
Lab Sample ID:				JD26986-1	JD26986-1A	JD27065-1	JD27065-1A	JD27065-2	JD27065-2A	JD46262-15	JD46495-1A	JD46495-2	JD46495-2A	
Date Sampled:					6/21/2021	6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/8/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:	CAS#				Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water
4,4'-DDT	50-29-3	ug/l	0.2	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	0.047	B	0.055 <sup>1</sup>	B	
Endrin	72-20-8	ug/l	ND	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
Endosulfan sulfate	1031-07-8	ug/l	-	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
Endrin aldehyde	7421-93-4	ug/l	5	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
Endrin ketone	53494-70-5	ug/l	5	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
Endosulfan-I	959-98-8	ug/l	-	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
Endosulfan-II	33213-65-9	ug/l	-	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
Heptachlor	76-44-8	ug/l	0.04	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
Heptachlor epoxide	1024-57-3	ug/l	0.03	ND (0.010)	-	ND (0.0052)	-	ND (0.0052)	-	ND (0.0067)	-	ND (0.0048)	-	
Methoxychlor	72-43-5	ug/l	35	ND (0.020)	-	ND (0.010)	-	ND (0.010)	-	ND (0.013)	-	ND (0.0095)	-	
Toxaphene	8001-35-2	ug/l	0.06	ND (0.25)	-	ND (0.13)	-	ND (0.13)	-	ND (0.17)	-	ND (0.12)	-	
<b>GC/LC Semi-volatiles (SW846 8082A)</b>														
Aroclor 1016	12674-11-2	ug/l	0.09	ND (0.25)	-	ND (0.26)	-	ND (0.26)	-	ND (0.33)	-	ND (0.24)	-	
Aroclor 1221	11104-28-2	ug/l	0.09	ND (0.25)	-	ND (0.26)	-	ND (0.26)	-	ND (0.33)	-	ND (0.24)	-	
Aroclor 1232	11141-16-5	ug/l	0.09	ND (0.25)	-	ND (0.26)	-	ND (0.26)	-	ND (0.33)	-	ND (0.24)	-	
Aroclor 1242	53469-21-9	ug/l	0.09	ND (0.25)	-	ND (0.26)	-	ND (0.26)	-	ND (0.33)	-	ND (0.24)	-	
Aroclor 1248	12672-29-6	ug/l	0.09	ND (0.25)	-	ND (0.26)	-	ND (0.26)	-	ND (0.33)	-	ND (0.24)	-	
Aroclor 1254	11097-69-1	ug/l	0.09	ND (0.25)	-	ND (0.26)	-	ND (0.26)	-	ND (0.33)	-	ND (0.24)	-	
Aroclor 1260	11096-82-5	ug/l	0.09	ND (0.25)	-	ND (0.26)	-	ND (0.26)	-	ND (0.33)	-	ND (0.24)	-	
Aroclor 1268	11100-14-4	ug/l	0.09	ND (0.25)	-	ND (0.26)	-	ND (0.26)	-	ND (0.33)	-	ND (0.24)	-	
Aroclor 1262	37324-23-5	ug/l	0.09	ND (0.25)	-	ND (0.26)	-	ND (0.26)	-	ND (0.33)	-	ND (0.24)	-	
<b>Metals Analysis</b>														
Aluminum	7429-90-5	ug/l	-	473	-	16900	-	10800	-	50400	-	83300	-	
Antimony	7440-36-0	ug/l	3	<6.0	-	<30	-	<30	-	<6.0	-	<6.0	-	
Arsenic	7440-38-2	ug/l	25	<15	-	<15	-	15.5	-	<15 <sup>1</sup>	-	20.1 <sup>1</sup>	-	
Barium	7440-39-3	ug/l	1000	328	-	<1000	-	<1000	-	2130	-	1060	-	
Beryllium	7440-41-7	ug/l	-	<1.0	-	<5.0	-	<5.0	-	2.1	-	3.6	-	
Cadmium	7440-43-9	ug/l	5	5.6	-	<15	-	<15	-	<3.0	-	<3.0	-	
Calcium	7440-70-2	ug/l	-	405000	-	120000	-	187000	-	848000	-	220000	-	
Chromium	7440-47-3	ug/l	50	<10	-	<50	-	<50	-	85.9 <sup>1</sup>	-	112	-	
Cobalt	7440-48-4	ug/l	-	<50	-	<250	-	<250	-	59.4	-	86.1	-	
Copper	7440-50-8	ug/l	200	<10	-	<50	-	<50	-	132	-	182	-	
Iron	7439-89-6	ug/l	300	770	-	13100	-	11200	-	87600	-	106000	-	
Lead	7439-92-1	ug/l	25	<3.0	-	398	-	16	-	38.8 <sup>1</sup>	-	91.6 <sup>1</sup>	-	
Magnesium	7439-95-4	ug/l	-	56400	-	27500	-	37600	-	217000	-	65600	-	
Manganese	7439-96-5	ug/l	300	6940	-	2100	-	2420	-	14700	-	4540	-	
Mercury	7439-97-6	ug/l	0.7	<0.20	-	0.21	-	<2.0 <sup>k</sup>	-	1.7	-	0.81	-	
Nickel	7440-02-0	ug/l	100	<10	-	<50	-	<50	-	101	-	114	-	
Potassium	7440-09-7	ug/l	-	18700	-	<50000	-	<50000	-	46000	-	29400	-	
Selenium	7782-49-2	ug/l	10	<10	-	<50	-	<50	-	<50 <sup>1</sup>	-	<10	-	

Table 3.3- Summary of Groundwater Results  
 1 Water Street, White Plains, NY  
 Project No. 12392  
 SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-1		GW-2		GW-3		GW-4		GW-5	
Lab Sample ID:		JD26986-1		JD26986-1A	JD27065-1	JD27065-1A	JD27065-2	JD27065-2A	JD46262-15	JD46495-1A	JD46495-2	JD46495-2A	
Date Sampled:		6/21/2021		6/21/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/8/2022	6/9/2022	6/9/2022	6/9/2022	
Matrix:	CAS#	Ground Water		Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	
Silver	7440-22-4	ug/l	50	<10	-	<50	-	<50	-	<50 <sup>J</sup>	-	<10	-
Sodium	7440-23-5	ug/l	20000	3210000	-	473000	-	2050000	-	735000	-	458000	-
Thallium	7440-28-0	ug/l	-	<10	-	<50	-	<50	-	<50 <sup>J</sup>	-	<10	-
Vanadium	7440-62-2	ug/l	-	<50	-	<250	-	<250	-	89.3	-	158	-
Zinc	7440-66-6	ug/l	-	<20	-	168	-	<100	-	219	-	346	-
<b>General Chemistry</b>													
Cyanide	57-12-5	mg/l	0.2	<0.010	-	<0.010	-	0.018	-	<0.010	-	<0.010	-

  Detected above the MDL  
  Exceeds standard



Table 3.3- Summary of Groundwater Results  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-6	GW-6
Lab Sample ID:				JD46495-3	JD46495-3A
Date Sampled:				6/9/2022	6/9/2022
Matrix:	CAS#			Ground Water	Ground Water
<b>MS Volatiles (SW846 8260D)</b>					
Acetone	67-64-1	ug/l	50	4.3	J -
Benzene	71-43-2	ug/l	1	ND (0.50)	-
Bromochloromethane	74-97-5	ug/l	5	ND (1.0)	-
Bromodichloromethane	75-27-4	ug/l	50	ND (1.0)	-
Bromoform	75-25-2	ug/l	50	ND (1.0)	-
Bromomethane	74-83-9	ug/l	5	ND (2.0)	-
2-Butanone (MEK)	78-93-3	ug/l	50	ND (10) <sup>a</sup>	-
Carbon disulfide	75-15-0	ug/l	60	ND (2.0) <sup>c</sup>	-
Carbon tetrachloride	56-23-5	ug/l	5	ND (1.0)	-
Chlorobenzene	108-90-7	ug/l	5	ND (1.0)	-
Chloroethane	75-00-3	ug/l	5	ND (1.0)	-
Chloroform	67-66-3	ug/l	7	ND (1.0)	-
Chloromethane	74-87-3	ug/l	5	ND (1.0) <sup>a</sup>	-
Cyclohexane	110-82-7	ug/l	-	ND (5.0)	-
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04	ND (2.0) <sup>a</sup>	-
Dibromochloromethane	124-48-1	ug/l	50	ND (1.0)	-
1,2-Dibromoethane	106-93-4	ug/l	0.0006	ND (1.0)	-
1,2-Dichlorobenzene	95-50-1	ug/l	3	ND (1.0)	-
1,3-Dichlorobenzene	541-73-1	ug/l	3	ND (1.0)	-
1,4-Dichlorobenzene	106-46-7	ug/l	3	ND (1.0)	-
Dichlorodifluoromethane	75-71-8	ug/l	5	ND (2.0)	-
1,1-Dichloroethane	75-34-3	ug/l	5	ND (1.0)	-
1,2-Dichloroethane	107-06-2	ug/l	0.6	ND (1.0)	-
1,1-Dichloroethene	75-35-4	ug/l	5	ND (1.0) <sup>e</sup>	-
cis-1,2-Dichloroethene	156-59-2	ug/l	5	ND (1.0)	-
trans-1,2-Dichloroethene	156-60-5	ug/l	5	ND (1.0)	-
1,2-Dichloropropane	78-87-5	ug/l	1	ND (1.0)	-
cis-1,3-Dichloropropene	10061-01-5	ug/l	-	ND (1.0)	-
trans-1,3-Dichloropropene	10061-02-6	ug/l	-	ND (1.0)	-
Ethylbenzene	100-41-4	ug/l	5	ND (1.0)	-
Freon 113	76-13-1	ug/l	5	ND (5.0)	-
2-Hexanone	591-78-6	ug/l	50	ND (5.0) <sup>a</sup>	-
Isopropylbenzene	98-82-8	ug/l	5	ND (1.0)	-
Methyl Acetate	79-20-9	ug/l	-	ND (5.0) <sup>a</sup>	-
Methylcyclohexane	108-87-2	ug/l	-	ND (5.0)	-
Methyl Tert Butyl Ether	1634-04-4	ug/l	10	ND (1.0)	-
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	-	ND (5.0) <sup>a</sup>	-
Methylene chloride	75-09-2	ug/l	5	ND (2.0)	-
Styrene	100-42-5	ug/l	5	ND (1.0)	-
1,1,1,2-Tetrachloroethane	79-34-5	ug/l	5	ND (1.0) <sup>a</sup>	-

Table 3.3- Summary of Groundwater Results  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-6	
Lab Sample ID:		JD46495-3		JD46495-3A	
Date Sampled:		6/9/2022		6/9/2022	
Matrix:	CAS#			Ground Water	Ground Water
Tetrachloroethene	127-18-4	ug/l	5	ND (1.0)	-
Toluene	108-88-3	ug/l	5	ND (1.0)	-
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	ND (1.0)	-
1,2,4-Trichlorobenzene	120-82-1	ug/l	5	ND (1.0)	-
1,1,1-Trichloroethane	71-55-6	ug/l	5	ND (1.0)	-
1,1,2-Trichloroethane	79-00-5	ug/l	1	ND (1.0)	-
Trichloroethene	79-01-6	ug/l	5	ND (1.0)	-
Trichlorofluoromethane	75-69-4	ug/l	5	ND (2.0)	-
Vinyl chloride	75-01-4	ug/l	2	ND (1.0)	-
m,p-Xylene		ug/l	-	ND (1.0)	-
o-Xylene	95-47-6	ug/l	5	ND (1.0)	-
Xylene (total)	1330-20-7	ug/l	5	ND (1.0)	-
<b>MS Volatile TIC</b>					
Total TIC, Volatile		ug/l	-	0	-
<b>MS Semi-volatiles (EPA 537M BY ID)</b>					
Perfluorobutanoic acid	375-22-4	ng/l	-	-	6.9
Perfluoropentanoic acid	2706-90-3	ng/l	-	-	6.5
Perfluorohexanoic acid	307-24-4	ng/l	-	-	5.3
Perfluoroheptanoic acid	375-85-9	ng/l	-	-	6.1
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	10	-	<b>22.4</b>
Perfluorononanoic acid	375-95-1	ng/l	-	-	2.1
Perfluorodecanoic acid	335-76-2	ng/l	-	-	ND (2.3)
Perfluoroundecanoic acid	2058-94-8	ng/l	-	-	ND (2.3)
Perfluorododecanoic acid	307-55-1	ng/l	-	-	ND (2.3)
Perfluorotridecanoic acid	72629-94-8	ng/l	-	-	ND (2.3)
Perfluorotetradecanoic acid	376-06-7	ng/l	-	-	ND (2.3)
Perfluorobutanesulfonic acid	375-73-5	ng/l	-	-	5.5
Perfluorohexanesulfonic acid	355-46-4	ng/l	-	-	2
Perfluoroheptanesulfonic acid	375-92-8	ng/l	-	-	ND (2.3)
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	10	-	<b>17.9</b>
Perfluorodecanesulfonic acid	335-77-3	ng/l	-	-	ND (2.3)
PFOSA	754-91-6	ng/l	-	-	ND (23)
MeFOSAA	2355-31-9	ng/l	-	-	ND (4.5)
EtFOSAA	2991-50-6	ng/l	-	-	ND (4.5)
6:2 Fluorotelomer sulfonate	27619-97-2	ng/l	-	-	5.9
8:2 Fluorotelomer sulfonate	39108-34-4	ng/l	-	-	ND (9.1)
<b>MS Semi-volatiles (SW846 8270E)</b>					
2-Chlorophenol	95-57-8	ug/l	-	ND (25)	-

Table 3.3- Summary of Groundwater Results  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-6	GW-6
Lab Sample ID:				JD46495-3	JD46495-3A
Date Sampled:				6/9/2022	6/9/2022
Matrix:	CAS#			Ground Water	Ground Water
4-Chloro-3-methyl phenol	59-50-7	ug/l	-	ND (25)	-
2,4-Dichlorophenol	120-83-2	ug/l	1	ND (10)	-
2,4-Dimethylphenol	105-67-9	ug/l	1	ND (25)	-
2,4-Dinitrophenol	51-28-5	ug/l	1	ND (25)	-
4,6-Dinitro-o-cresol	534-52-1	ug/l	-	ND (25)	-
2-Methylphenol	95-48-7	ug/l	-	ND (10)	-
3&4-Methylphenol		ug/l	-	ND (10)	-
2-Nitrophenol	88-75-5	ug/l	-	ND (25)	-
4-Nitrophenol	100-02-7	ug/l	-	ND (50)	-
Pentachlorophenol	87-86-5	ug/l	1	ND (20)	-
Phenol	108-95-2	ug/l	1	ND (10)	-
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	-	ND (25)	-
2,4,5-Trichlorophenol	95-95-4	ug/l	-	ND (25)	-
2,4,6-Trichlorophenol	88-06-2	ug/l	-	ND (25)	-
Acenaphthene	83-32-9	ug/l	20	ND (5.0)	-
Acenaphthylene	208-96-8	ug/l	-	ND (5.0)	-
Acetophenone	98-86-2	ug/l	-	ND (10)	-
Anthracene	120-12-7	ug/l	50	ND (5.0)	-
Atrazine	1912-24-9	ug/l	7.5	ND (10)	-
Benzaldehyde	100-52-7	ug/l	-	ND (25)	-
Benzo(a)anthracene	56-55-3	ug/l	0.002	2.5	J
Benzo(a)pyrene	50-32-8	ug/l	ND	2.5	J
Benzo(b)fluoranthene	205-99-2	ug/l	0.002	2.9	J
Benzo(g,h,i)perylene	191-24-2	ug/l	-	1.9	J
Benzo(k)fluoranthene	207-08-9	ug/l	0.002	ND (5.0)	-
4-Bromophenyl phenyl ether	101-55-3	ug/l	-	ND (10)	-
Butyl benzyl phthalate	85-68-7	ug/l	50	ND (10)	-
1,1'-Biphenyl	92-52-4	ug/l	5	ND (5.0)	-
2-Chloronaphthalene	91-58-7	ug/l	-	ND (10)	-
4-Chloroaniline	106-47-8	ug/l	5	ND (25)	-
Carbazole	86-74-8	ug/l	-	ND (5.0)	-
Caprolactam	105-60-2	ug/l	-	ND (10)	-
Chrysene	218-01-9	ug/l	0.002	2.1	J
bis(2-Chloroethoxy)methane	111-91-1	ug/l	5	ND (10)	-
bis(2-Chloroethyl)ether	111-44-4	ug/l	1	ND (10)	-
2,2'-Oxybis(1-chloropropane)	108-60-1	ug/l	5	ND (10)	-
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	-	ND (10)	-
2,4-Dinitrotoluene	121-14-2	ug/l	5	ND (5.0)	-
2,6-Dinitrotoluene	606-20-2	ug/l	5	ND (5.0)	-
3,3'-Dichlorobenzidine	91-94-1	ug/l	5	ND (10)	-
1,4-Dioxane	123-91-1	ug/l	-	ND (5.0)	-
Dibenzo(a,h)anthracene	53-70-3	ug/l	-	ND (5.0)	-
Dibenzofuran	132-64-9	ug/l	-	ND (25)	-
Di-n-butyl phthalate	84-74-2	ug/l	50	ND (10)	-

Table 3.3- Summary of Groundwater Results  
1 Water Street, White Plains, NY  
Project No. 12392  
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-6	GW-6		
Lab Sample ID:				JD46495-3	JD46495-3A		
Date Sampled:					6/9/2022	6/9/2022	
Matrix:	CAS#			Ground Water	Ground Water		
Di-n-octyl phthalate	117-84-0	ug/l	50	ND (10) <sup>b</sup>	-		
Diethyl phthalate	84-66-2	ug/l	50	ND (10)	-		
Dimethyl phthalate	131-11-3	ug/l	-	ND (10)	-		
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	5	ND (10)	-		
Fluoranthene	206-44-0	ug/l	50	3.1	J	-	
Fluorene	86-73-7	ug/l	50	ND (5.0)	-		
Hexachlorobenzene	118-74-1	ug/l	0.04	ND (5.0)	-		
Hexachlorobutadiene	87-68-3	ug/l	0.5	ND (5.0)	-		
Hexachlorocyclopentadiene	77-47-4	ug/l	5	ND (50)	-		
Hexachloroethane	67-72-1	ug/l	5	ND (10)	-		
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	0.002	1.8	J	-	
Isophorone	78-59-1	ug/l	50	ND (10)	-		
2-Methylnaphthalene	91-57-6	ug/l	-	ND (5.0)	-		
2-Nitroaniline	88-74-4	ug/l	5	ND (25)	-		
3-Nitroaniline	99-09-2	ug/l	5	ND (25)	-		
4-Nitroaniline	100-01-6	ug/l	5	ND (25)	-		
Naphthalene	91-20-3	ug/l	10	ND (5.0)	-		
Nitrobenzene	98-95-3	ug/l	0.4	ND (10)	-		
N-Nitroso-di-n-propylamine	621-64-7	ug/l	-	ND (10)	-		
N-Nitrosodiphenylamine	86-30-6	ug/l	50	ND (25)	-		
Phenanthrene	85-01-8	ug/l	50	1.3	J	-	
Pyrene	129-00-0	ug/l	50	3.1	J	-	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	5	ND (10)	-		
<b>MS Semi-volatiles (SW846 8270E BY SIM)</b>							
1,4-Dioxane	123-91-1	ug/l	-	ND (0.50)	-		
<b>MS Semi-volatile TIC</b>							
Total TIC, Semi-Volatile		ug/l	-	60	J	-	
<b>GC/LC Semi-volatiles (SW846 8081B)</b>							
Aldrin	309-00-2	ug/l	ND	ND (0.025)	-		
alpha-BHC	319-84-6	ug/l	0.01	ND (0.025)	-		
beta-BHC	319-85-7	ug/l	0.04	ND (0.025)	-		
delta-BHC	319-86-8	ug/l	0.04	ND (0.025)	-		
gamma-BHC (Lindane)	58-89-9	ug/l	0.05	ND (0.025)	-		
alpha-Chlordane	5103-71-9	ug/l	-	ND (0.025)	-		
gamma-Chlordane	5103-74-2	ug/l	-	ND (0.025)	-		
Chlordane (alpha and gamma)	57-74-9	ug/l	-	-	-		
Dieldrin	60-57-1	ug/l	0.004	0.022	J	-	
4,4'-DDD	72-54-8	ug/l	0.3	ND (0.025)	-		
4,4'-DDE	72-55-9	ug/l	0.2	ND (0.025)	-		

Table 3.3- Summary of Groundwater Results  
 1 Water Street, White Plains, NY  
 Project No. 12392  
 SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-6		GW-6	
Lab Sample ID:				JD46495-3		JD46495-3A	
Date Sampled:					6/9/2022		6/9/2022
Matrix:	CAS#			Ground Water		Ground Water	
4,4'-DDT	50-29-3	ug/l	0.2	0.036	B	-	
Endrin	72-20-8	ug/l	ND	ND (0.025)		-	
Endosulfan sulfate	1031-07-8	ug/l	-	ND (0.025)		-	
Endrin aldehyde	7421-93-4	ug/l	5	ND (0.025)		-	
Endrin ketone	53494-70-5	ug/l	5	ND (0.025)		-	
Endosulfan-I	959-98-8	ug/l	-	ND (0.025)		-	
Endosulfan-II	33213-65-9	ug/l	-	ND (0.025)		-	
Heptachlor	76-44-8	ug/l	0.04	ND (0.025)		-	
Heptachlor epoxide	1024-57-3	ug/l	0.03	ND (0.025)		-	
Methoxychlor	72-43-5	ug/l	35	ND (0.050)		-	
Toxaphene	8001-35-2	ug/l	0.06	ND (0.63)		-	
<b>GC/LC Semi-volatiles (SW846 8082A)</b>							
Aroclor 1016	12674-11-2	ug/l	0.09	ND (0.25)		-	
Aroclor 1221	11104-28-2	ug/l	0.09	ND (0.25)		-	
Aroclor 1232	11141-16-5	ug/l	0.09	ND (0.25)		-	
Aroclor 1242	53469-21-9	ug/l	0.09	ND (0.25)		-	
Aroclor 1248	12672-29-6	ug/l	0.09	ND (0.25)		-	
Aroclor 1254	11097-69-1	ug/l	0.09	ND (0.25)		-	
Aroclor 1260	11096-82-5	ug/l	0.09	ND (0.25)		-	
Aroclor 1268	11100-14-4	ug/l	0.09	ND (0.25)		-	
Aroclor 1262	37324-23-5	ug/l	0.09	ND (0.25)		-	
<b>Metals Analysis</b>							
Aluminum	7429-90-5	ug/l	-	88000		-	
Antimony	7440-36-0	ug/l	3	<6.0		-	
Arsenic	7440-38-2	ug/l	25	23.2 <sup>j</sup>		-	
Barium	7440-39-3	ug/l	1000	1860		-	
Beryllium	7440-41-7	ug/l	-	3		-	
Cadmium	7440-43-9	ug/l	5	4.7		-	
Calcium	7440-70-2	ug/l	-	198000		-	
Chromium	7440-47-3	ug/l	50	107		-	
Cobalt	7440-48-4	ug/l	-	116		-	
Copper	7440-50-8	ug/l	200	191		-	
Iron	7439-89-6	ug/l	300	98600		-	
Lead	7439-92-1	ug/l	25	509 <sup>j</sup>		-	
Magnesium	7439-95-4	ug/l	-	46200		-	
Manganese	7439-96-5	ug/l	300	9130		-	
Mercury	7439-97-6	ug/l	0.7	1.8		-	
Nickel	7440-02-0	ug/l	100	102		-	
Potassium	7440-09-7	ug/l	-	19500		-	
Selenium	7782-49-2	ug/l	10	<50 <sup>j</sup>		-	

Table 3.3- Summary of Groundwater Results  
 1 Water Street, White Plains, NY  
 Project No. 12392  
 SESI Consulting Engineers

Client Sample ID:			NY TOGS Class GA GW Standards (NYSDEC 6/2004) <sup>1</sup> and Guidance Values	GW-6	
Lab Sample ID:		JD46495-3		JD46495-3A	
Date Sampled:		6/9/2022		6/9/2022	
Matrix:	CAS#			Ground Water	Ground Water
Silver	7440-22-4	ug/l	50	<10	-
Sodium	7440-23-5	ug/l	20000	108000	-
Thallium	7440-28-0	ug/l	-	<10	-
Vanadium	7440-62-2	ug/l	-	158	-
Zinc	7440-66-6	ug/l	-	560	-
<b>General Chemistry</b>					
Cyanide	57-12-5	mg/l	0.2	0.016	-

 Detected above the MDL  
 Exceeds standard

Table 3.5- Summary of Soil Vapor Results  
 1 Water Street, White Plains, NY  
 Project No. 12392  
 SESI Consulting Engineers

Client Sample ID:	NYSDOH Matrix A	NYSDOH Matrix B	NYSDOH Matrix C	VP-1	VP-2	VP-3	VP-4	VP-5	VP-6	AA-1	VP-7	VP-8	VP-9	AA-1	
Lab Sample ID:				JD27066-1	JD27066-2	JD27066-3	JD27066-4	JD27066-5	JD27066-6	JD27066-7	JD46395-1	JD46395-2	JD46395-3	JD46395-4	
Date Sampled:				6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/22/2021	6/9/2022	6/9/2022	6/9/2022	6/9/2022
Matrix:				Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Ambient Air	Soil Vapor	Soil Vapor	Soil Vapor
<b>MS Volatiles (TO-15) - ug/m3</b>															
Acetone				1220	177	824	1240	910	1000	8.6	-	-	-	-	
Acetone (2-Propanone)				-	-	-	-	-	-	-	190	292	165	17	
1,3-Butadiene				ND (8.8)	ND (1.8)	ND (1.8)	ND (8.8)	ND (8.8)	70.8	ND (0.44)	ND (0.44)	2.7	ND (1.8)	ND (0.35)	
Benzene				22	ND (2.6)	8.9	17	31	7	J ND (0.64)	10	19	22	0.48	
Carbon disulfide				57.3	ND (2.5)	52.6	114	402	ND (12)	ND (0.62)	ND (0.62)	2	61	ND (0.50)	
Chloroform				ND (20)	ND (3.9)	3.3	J ND (20)	ND (20)	ND (20)	ND (0.98)	ND (0.98)	2.4	4.6	ND (0.78)	
Chloromethane				ND (8.3)	ND (1.7)	5.4	ND (8.3)	ND (8.3)	ND (8.3)	1	0.5	1.3	2.5	1.3	
Carbon tetrachloride	6			ND (25)	ND (5.0)	ND (5.0)	ND (25)	ND (25)	ND (25)	0.36	J ND (0.25)	0.6	ND (1.0)	0.51	
Cyclohexane				23	ND (2.8)	17	ND (14)	2020	ND (14)	ND (0.69)	5.9	ND (0.69)	10	ND (0.55)	
1,2-Dichloroethane				ND (16)	ND (3.2)	ND (3.2)	ND (16)	10	J ND (16)	ND (0.81)	ND (0.81)	ND (0.81)	ND (3.2)	ND (0.65)	
Dichlorodifluoromethane				ND (20)	ND (4.0)	2.4	J ND (20)	ND (20)	ND (20)	2	ND (0.99)	ND (0.99)	2.2	J 1.5	
cis-1,2-Dichloroethylene	6			ND (16)	8.7	ND (3.2)	ND (16)	5.2	J ND (16)	ND (0.79)	ND (0.16)	ND (0.16)	ND (0.63)	ND (0.13)	
m-Dichlorobenzene				ND (24)	ND (4.8)	ND (4.8)	ND (24)	ND (24)	ND (24)	ND (1.2)	3.8	9	6.6	ND (0.48)	
Ethanol				292	108	614	1010	1230	1430	13	170	ND (0.94)	76.1	20.3	
Ethylbenzene				ND (17)	ND (3.5)	5.6	17	J ND (17)	8.3	J ND (0.87)	5.6	5.6	5.6	ND (0.69)	
Ethyl Acetate				37.4	ND (2.9)	21	ND (14)	ND (14)	ND (14)	1.1	62.6	33	12	10	
4-Ethyltoluene				ND (20)	ND (3.9)	ND (3.9)	ND (20)	ND (20)	ND (20)	ND (0.98)	2.3	2.3	1.9	J ND (0.79)	
Freon 114				ND (28)	ND (5.6)	ND (5.6)	ND (28)	ND (28)	ND (28)	ND (1.4)	1.3	ND (0.70)	3.4	ND (0.56)	
Heptane				16	J ND (3.3)	19	13	J 259	29	ND (0.82)	123 <sup>a</sup>	5.3 <sup>a</sup>	7	0.61 <sup>a</sup>	
Hexane				55.7	2.2	J 31	17	497	104	0.56	J 129	ND (0.70)	13	0.63	
2-Hexanone				ND (16)	ND (3.3)	ND (3.3)	47.4	ND (16)	16	ND (0.82)	ND (0.82)	ND (0.82)	4.9	3.5	
Isopropyl Alcohol				35.2	9.3	46.2	103	54.3	161	1.2	15	ND (0.49)	1130	E 1.8	
Methylene chloride		100		ND (14)	11	14	ND (14)	ND (14)	ND (14)	1	2.4	ND (0.69)	2.8	1.5	
Methyl ethyl ketone				141	16	112	180	89.7	136	0.77	ND (0.59)	22	20	5.3	
Methyl Isobutyl Ketone				ND (16)	ND (3.3)	8.2	ND (16)	ND (16)	12	J ND (0.82)	39	47.5	32	1.3	
Methylmethacrylate				ND (16)	ND (3.3)	ND (3.3)	ND (16)	ND (16)	ND (16)	ND (0.82)	ND (0.82)	ND (0.82)	1.6	J ND (0.66)	
Propylene				1370	5.2	175	472	849	550	ND (0.86)	ND (0.86)	ND (0.86)	179	1.2	
1,1,1-Trichloroethane		100		ND (22)	ND (4.4)	2.2	J ND (22)	ND (22)	ND (22)	ND (1.1)	ND (0.55)	ND (0.55)	11	ND (0.44)	
1,2,4-Trimethylbenzene				ND (20)	ND (3.9)	6.9	14	J ND (20)	9.8	J ND (0.98)	9.3	9.3	7.4	0.38	
1,3,5-Trimethylbenzene				ND (20)	ND (3.9)	ND (3.9)	ND (20)	ND (20)	ND (20)	ND (0.98)	2.5	2.7	2.3	J ND (0.79)	
2,2,4-Trimethylpentane				ND (19)	ND (3.7)	ND (3.7)	ND (19)	308	ND (19)	ND (0.93)	55.1	13	ND (3.7)	0.56	
Tertiary Butyl Alcohol				24	1.5	J 10	22	13	ND (12)	ND (0.61)	12	ND (0.61)	39.7	0.3	
Tetrachloroethylene		100		ND (5.4)	1.8	1.8	12	49	ND (5.4)	0.4	8.8	6.8	6.6	0.35	
Tetrahydrofuran				ND (12)	ND (2.4)	ND (2.4)	ND (12)	ND (12)	ND (12)	ND (0.59)	6.2	14	5.9	2.7	
Toluene				20	2.1	J 30	56.2	38	44.5	0.53	J 21	15	21	1.2	
Trichloroethylene	6			ND (4.3)	2.9	ND (0.86)	ND (4.3)	7	ND (4.3)	ND (0.21)	0.54	0.47	ND (0.86)	ND (0.17)	
Trichlorofluoromethane				ND (22)	5.6	8.4	389	ND (22)	ND (22)	1.5	433	11	348	1.6	
Vinyl chloride			6	ND (10)	ND (2.0)	3.1	ND (10)	ND (10)	ND (10)	ND (0.51)	ND (0.10)	ND (0.10)	ND (0.41)	ND (0.082)	
Vinyl Acetate				ND (14)	ND (2.8)	ND (2.8)	ND (14)	ND (14)	ND (14)	ND (0.70)	ND (0.70)	ND (0.70)	ND (2.8)	4.2	
m,p-Xylene				18	ND (3.5)	22	68.6	23	33	ND (0.87)	21	25	20	0.96	
o-Xylene				ND (17)	ND (3.5)	7.8	23	8.7	J 11	J ND (0.87)	7.4	11	8.3	ND (0.69)	
Xylenes (total)				18	ND (3.5)	30	91.6	32	44.3	ND (0.87)	28	36	28	0.96	

Detected above the MDL  
 Exceeds matrix

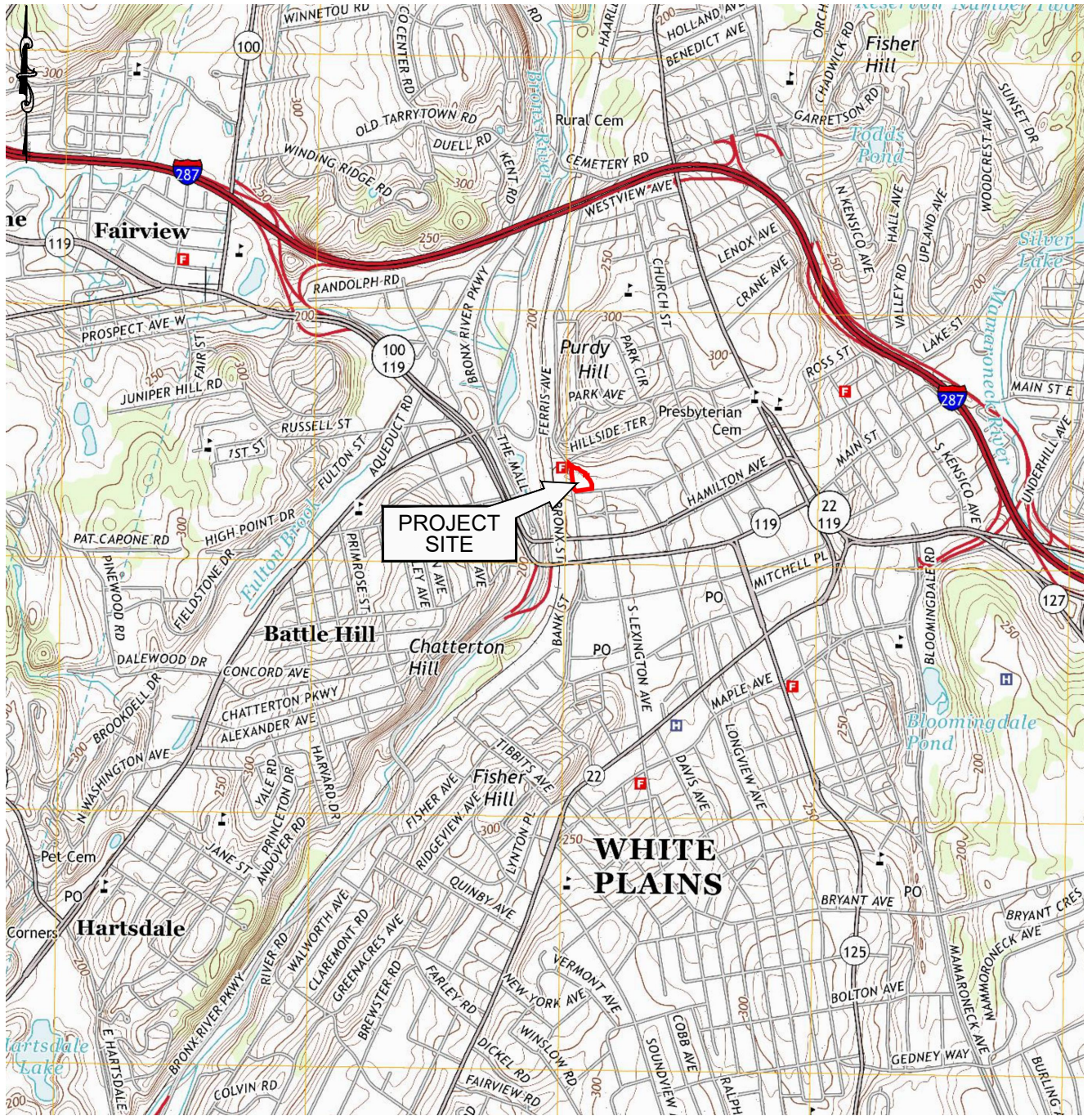
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# Figures

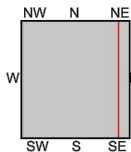
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N:\ACAD\11936\CAD\11936 - FIG-1.1 - SITE LOCATION MAP.DWG 07/30/21 10:20:08AM, aas, LAYOUT:FIG-1.1



REFERENCE:  
HISTORICAL TOPOGRAPHICAL MAP PREPARED BY EDR, MAP DATED 2013.



TP, White Plains, 2013, 7.5-minute  
NE, Glenville, 2012, 7.5-minute



PROPOSED DEVELOPMENT  
1 WATER STREET  
WHITE PLAINS, NY 10601

SITE LOCATION MAP

**SESI**  
CONSULTING  
ENGINEERS D.P.C.

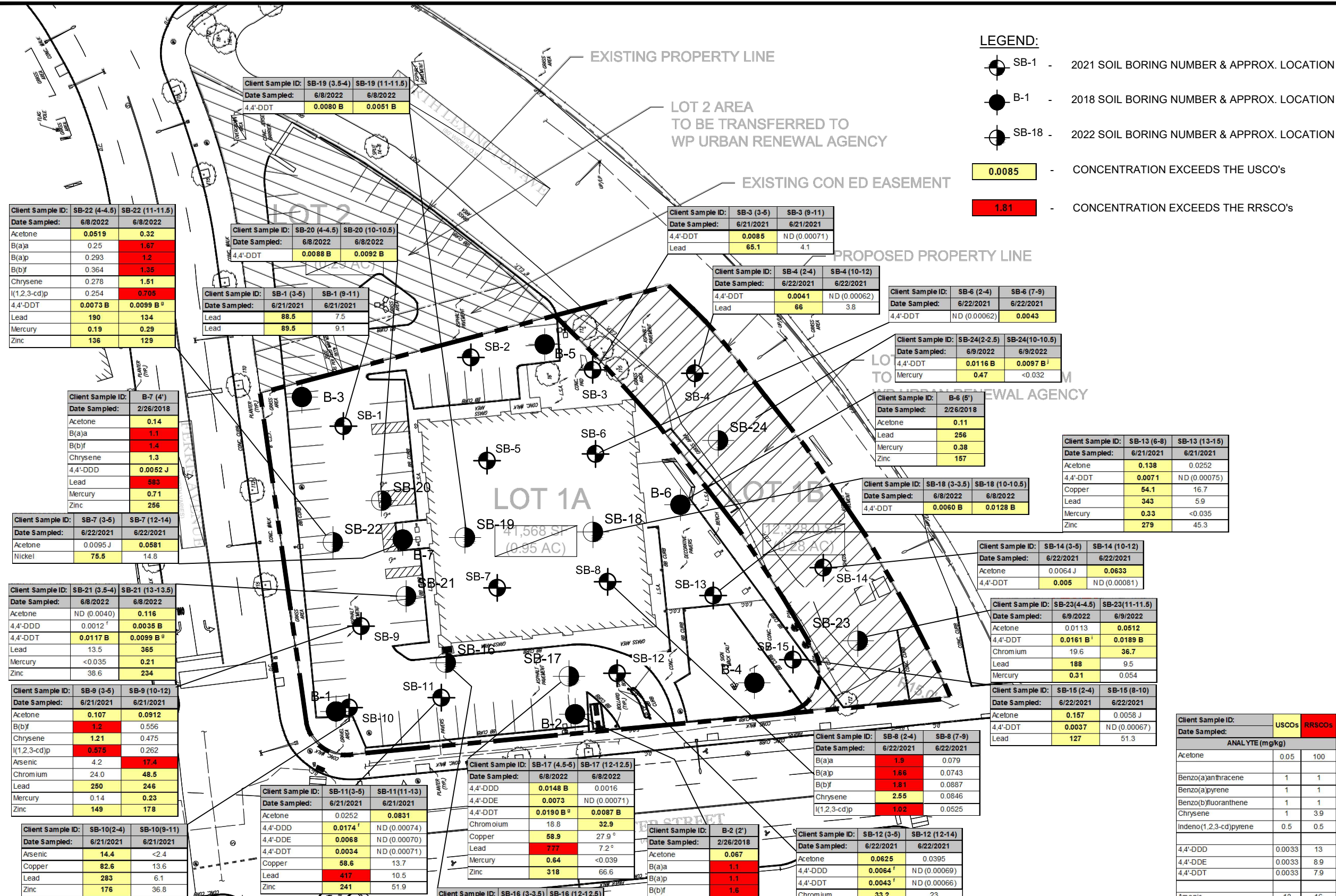
SOILS / FOUNDATIONS  
SITE DESIGN  
ENVIRONMENTAL

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

FIG-1.1

DRAWN BY: aas  
CHECKED BY: MN  
SCALE: AS NOTED  
DATE: 07/30/2021  
JOB NO.: 11936

N:\ACAD\11936\CAD\11936 - FIG-3.1 - SOIL BORING LOCATION PLAN & RESULTS - 07-29-2021.DWG 08/04/22 04:48:56PM, yelena.zolotova, LAYOUT:FIG-3.1\_2



Client Sample ID:	SB-22 (4-4.5)	SB-22 (11-11.5)
Date Sampled:	6/8/2022	6/8/2022
Acetone	0.0519	0.32
B(a)a	0.25	1.67
B(a)p	0.293	1.2
B(b)f	0.364	1.35
Chrysene	0.278	1.51
I(1,2,3-cd)p	0.254	0.705
4,4'-DDD	0.0073 B	0.0099 B <sup>u</sup>
Lead	190	134
Mercury	0.19	0.29
Zinc	136	129

Client Sample ID:	B-7 (4')
Date Sampled:	2/26/2018
Acetone	0.14
B(a)a	1.1
B(b)f	1.4
Chrysene	1.3
4,4'-DDD	0.0052 J
Lead	583
Mercury	0.71
Zinc	256

Client Sample ID:	SB-7 (3-5)	SB-7 (12-14)
Date Sampled:	6/22/2021	6/22/2021
Acetone	0.0095 J	0.0581
Nickel	75.5	14.8

Client Sample ID:	SB-21 (3.5-4)	SB-21 (13-13.5)
Date Sampled:	6/8/2022	6/8/2022
Acetone	ND (0.0040)	0.116
4,4'-DDD	0.0012 <sup>f</sup>	0.0035 B
4,4'-DDD	0.0117 B	0.0099 B <sup>u</sup>
Lead	13.5	365
Mercury	<0.035	0.21
Zinc	38.6	234

Client Sample ID:	SB-9 (3-5)	SB-9 (10-12)
Date Sampled:	6/21/2021	6/21/2021
Acetone	0.107	0.0912
B(b)f	1.2	0.556
Chrysene	1.21	0.475
I(1,2,3-cd)p	0.575	0.262
Arsenic	4.2	17.4
Chromium	24.0	48.5
Lead	250	246
Mercury	0.14	0.23
Zinc	149	178

Client Sample ID:	SB-10(2-4)	SB-10(9-11)
Date Sampled:	6/21/2021	6/21/2021
Arsenic	14.4	<2.4
Copper	82.6	13.6
Lead	283	6.1
Zinc	176	36.8

Client Sample ID:	SB-20 (4-4.5)	SB-20 (10-10.5)
Date Sampled:	6/8/2022	6/8/2022
4,4'-DDD	0.0088 B	0.0092 B

Client Sample ID:	SB-1 (3-5)	SB-1 (9-11)
Date Sampled:	6/21/2021	6/21/2021
Lead	89.5	7.5
Lead	89.5	9.1

Client Sample ID:	SB-3 (3-5)	SB-3 (9-11)
Date Sampled:	6/21/2021	6/21/2021
4,4'-DDD	0.0085	ND (0.00071)
Lead	65.1	4.1

Client Sample ID:	SB-4 (2-4)	SB-4 (10-12)
Date Sampled:	6/22/2021	6/22/2021
4,4'-DDD	0.0041	ND (0.00062)
Lead	66	3.8

Client Sample ID:	SB-6 (2-4)	SB-6 (7-9)
Date Sampled:	6/22/2021	6/22/2021
4,4'-DDD	ND (0.00062)	0.0043

Client Sample ID:	SB-24(2-2.5)	SB-24(10-10.5)
Date Sampled:	6/9/2022	6/9/2022
4,4'-DDD	0.0116 B	0.0097 B <sup>u</sup>
Mercury	0.47	<0.032

Client Sample ID:	B-6 (5')
Date Sampled:	2/26/2018
Acetone	0.11
Lead	256
Mercury	0.38
Zinc	157

Client Sample ID:	SB-18 (3-3.5)	SB-18 (10-10.5)
Date Sampled:	6/8/2022	6/8/2022
4,4'-DDD	0.0060 B	0.0128 B

Client Sample ID:	SB-14 (3-5)	SB-14 (10-12)
Date Sampled:	6/22/2021	6/22/2021
Acetone	0.0064 J	0.0633
4,4'-DDD	0.005	ND (0.00081)

Client Sample ID:	SB-23(4-4.5)	SB-23(11-11.5)
Date Sampled:	6/9/2022	6/9/2022
Acetone	0.0113	0.0512
4,4'-DDD	0.0161 B <sup>u</sup>	0.0189 B
Chromium	19.6	36.7
Lead	188	9.5
Mercury	0.31	0.054

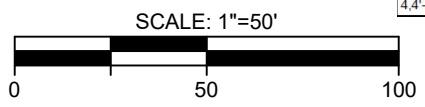
Client Sample ID:	SB-15 (2-4)	SB-15 (8-10)
Date Sampled:	6/22/2021	6/22/2021
Acetone	0.157	0.0058 J
4,4'-DDD	0.0037	ND (0.00067)
Lead	127	51.3

Client Sample ID:	SB-17 (4.5-5)	SB-17 (12-12.5)
Date Sampled:	6/8/2022	6/8/2022
4,4'-DDD	0.0148 B	0.0016
4,4'-DDE	0.0073	ND (0.00071)
4,4'-DDD	0.0190 B <sup>u</sup>	0.0087 B
Chromium	18.8	32.9
Copper	58.9	27.9 <sup>c</sup>
Lead	777	7.2 <sup>c</sup>
Mercury	0.64	<0.039
Zinc	318	66.6

Client Sample ID:	SB-8 (2-4)	SB-8 (7-9)
Date Sampled:	6/22/2021	6/22/2021
B(a)a	1.9	0.079
B(a)p	1.86	0.0743
B(b)f	1.81	0.0887
Chrysene	2.55	0.0846
I(1,2,3-cd)p	1.02	0.0525

Client Sample ID:	SB-12 (3-5)	SB-12 (12-14)
Date Sampled:	6/22/2021	6/22/2021
Acetone	0.0625	0.0395
4,4'-DDD	0.0064 <sup>f</sup>	ND (0.00069)
4,4'-DDD	0.0043 <sup>f</sup>	ND (0.00066)
Chromium	33.2	23
Copper	65.3	9
Lead	184	6.7
Mercury	0.37	<0.031
Zinc	115	42.2

Client Sample ID:	SB-16 (3-3.5)	SB-16 (12-12.5)
Date Sampled:	6/8/2022	6/8/2022
4,4'-DDD	0.0083 B	0.0131 B



**REFERENCE**  
 SITE INFORMATION TAKEN FROM "PROPOSED 1 WATER STREET PROJECT SITE"  
 PREPARED BY DIVNEY TUNG SCHWALBE. DATED JUNE 27, 2019, REV. AUG. 16, 2019.

**NOTES:**  
 1. THIS PLAN IS FOR LOCATING SAMPLES ONLY.  
 OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.  
 2. 4,4'-DDD AND 4,4'-DDD WERE PRESENT IN THE METHOD BLANK FOR SAMPLES ANALYZED IN 2022.

dwg by: aas  
 chk by: SG  
 scale: AS NOTED  
 date: 06/29/2022

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

project: **PROPOSED DEVELOPMENT**  
**1 WATER STREET**  
**WHITE PLAINS, NY 10601**  
 title: **SOIL BORING LOCATION PLAN**  
**AND RESULTS**

job no: 12392  
 drawing no:

**FIG 3.1**

Client Sample ID:	USCOs	RRSCOs
<b>ANALYTE (mg/kg)</b>		
Acetone	0.05	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Chrysene	1	3.9
Indeno(1,2,3-cd)pyrene	0.5	0.5
4,4'-DDD	0.0033	13
4,4'-DDE	0.0033	8.9
4,4'-DDD	0.0033	7.9
Arsenic	13	16
Chromium	30	180
Copper	50	270
Lead	63	400
Mercury	0.18	0.81
Nickel	30	310
Zinc	109	10000

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N:\ACAD\12392 BORING LOCATION PLAN.DWG 07/12/22 09:38:41AM, alan.ward, LAYOUT: FIG-3.2 (7-11-22)

Client Sample ID	GW-3	
Date Sampled	6/22/2021	
	Result	Q
Perfluorooctanoic acid (PFOA)	ng/l	35.5
Iron	ug/l	11200
Magnesium	ug/l	37600
Manganese	ug/l	2420
Sodium	ug/l	2050000

Client Sample ID	GW-5	
Date Sampled	6/9/2022	
	Result	Q
Perfluorooctanoic acid	ng/l	21.9
Perfluorooctanesulfonic acid	ng/l	38.9
Benzo(a)anthracene	ug/l	40.3
Benzo(a)pyrene	ug/l	34.2
Benzo(b)fluoranthene	ug/l	37.5
Benzo(k)fluoranthene	ug/l	12.8
Chrysene	ug/l	40.5
Fluoranthene	ug/l	69.2
Indeno(1,2,3-cd)pyrene	ug/l	19.5
Phenanthrene	ug/l	61.2
Pyrene	ug/l	83.8
Barium	ug/l	1060
Chromium	ug/l	112
Iron	ug/l	106000
Lead	ug/l	91.6 °
Magnesium	ug/l	65600
Manganese	ug/l	4540
Mercury	ug/l	0.81
Nickel	ug/l	114
Sodium	ug/l	458000

Client Sample ID	GW-1	
Date Sampled	6/21/2021	
	Result	Q
Perfluorooctanoic acid (PFOA)	ng/l	34.5
Perfluorooctanesulfonic acid (PFOS)	ng/l	25.3
Trichlorofluoromethane	ug/l	21.7
Pentachlorophenol	ug/l	1.7
Benzo(a)anthracene	ug/l	0.24
Cadmium	ug/l	5.6
Iron	ug/l	770
Magnesium	ug/l	56400
Manganese	ug/l	6940
Sodium	ug/l	3210000

Client Sample ID	GW-4	
Date Sampled	6/8/2022	
	Result	Q
Perfluorooctanoic acid	ng/l	16.1
Barium	ug/l	2130
Chromium	ug/l	85.9 °
Iron	ug/l	87600
Lead	ug/l	38.8 °
Magnesium	ug/l	217000
Manganese	ug/l	14700
Mercury	ug/l	1.7
Nickel	ug/l	101
Sodium	ug/l	735000

Client Sample ID	GW-6	
Date Sampled	6/9/2022	
	Result	Q
Perfluorooctanoic acid	ng/l	22.4
Perfluorooctanesulfonic acid	ng/l	17.9
Benzo(a)anthracene	ug/l	2.5
Benzo(a)pyrene	ug/l	2.5
Benzo(b)fluoranthene	ug/l	2.9
Chrysene	ug/l	2.1
Indeno(1,2,3-cd)pyrene	ug/l	1.8
Dieldrin	ug/l	0.022
Barium	ug/l	1860
Chromium	ug/l	107
Iron	ug/l	98600
Lead	ug/l	509 °
Magnesium	ug/l	46200
Manganese	ug/l	9130
Mercury	ug/l	1.8
Nickel	ug/l	102
Sodium	ug/l	108000

Client Sample ID	GW-2	
Date Sampled	6/22/2021	
	Result	Q
Perfluorooctanoic acid (PFOA)	ng/l	32.5
Perfluorooctanesulfonic acid (PFOS)	ng/l	20.1
Benzo(a)anthracene	ug/l	1.6
Benzo(a)pyrene	ug/l	2.7
Benzo(b)fluoranthene	ug/l	2.9
Benzo(k)fluoranthene	ug/l	0.98
Chrysene	ug/l	1.9
Indeno(1,2,3-cd)pyrene	ug/l	2.5
Iron	ug/l	13100
Lead	ug/l	398
Manganese	ug/l	2100
Sodium	ug/l	473000

Analyte Name	Unit	NYSDEC AWQS
Trichlorofluoromethane	ug/l	5
Perfluorooctanoic acid	ng/l	10
Perfluorooctanesulfonic acid	ng/l	10
Pentachlorophenol	ug/l	1
Benzo(a)anthracene	ug/l	0.002
Benzo(a)pyrene	ug/l	0
Benzo(b)fluoranthene	ug/l	0.002
Benzo(k)fluoranthene	ug/l	0.002
Chrysene	ug/l	0.002
Fluoranthene	ug/l	50
Indeno(1,2,3-cd)pyrene	ug/l	0.002
Phenanthrene	ug/l	50
Pyrene	ug/l	50
Dieldrin	ug/l	0.004
4,4'-DDD	ug/l	0.3
Barium	ug/l	1000
Cadmium	ug/l	5
Chromium	ug/l	50
Iron	ug/l	300
Lead	ug/l	25
Magnesium	ug/l	35000
Manganese	ug/l	300
Mercury	ug/l	0.7
Nickel	ug/l	100
Sodium	ug/l	20000

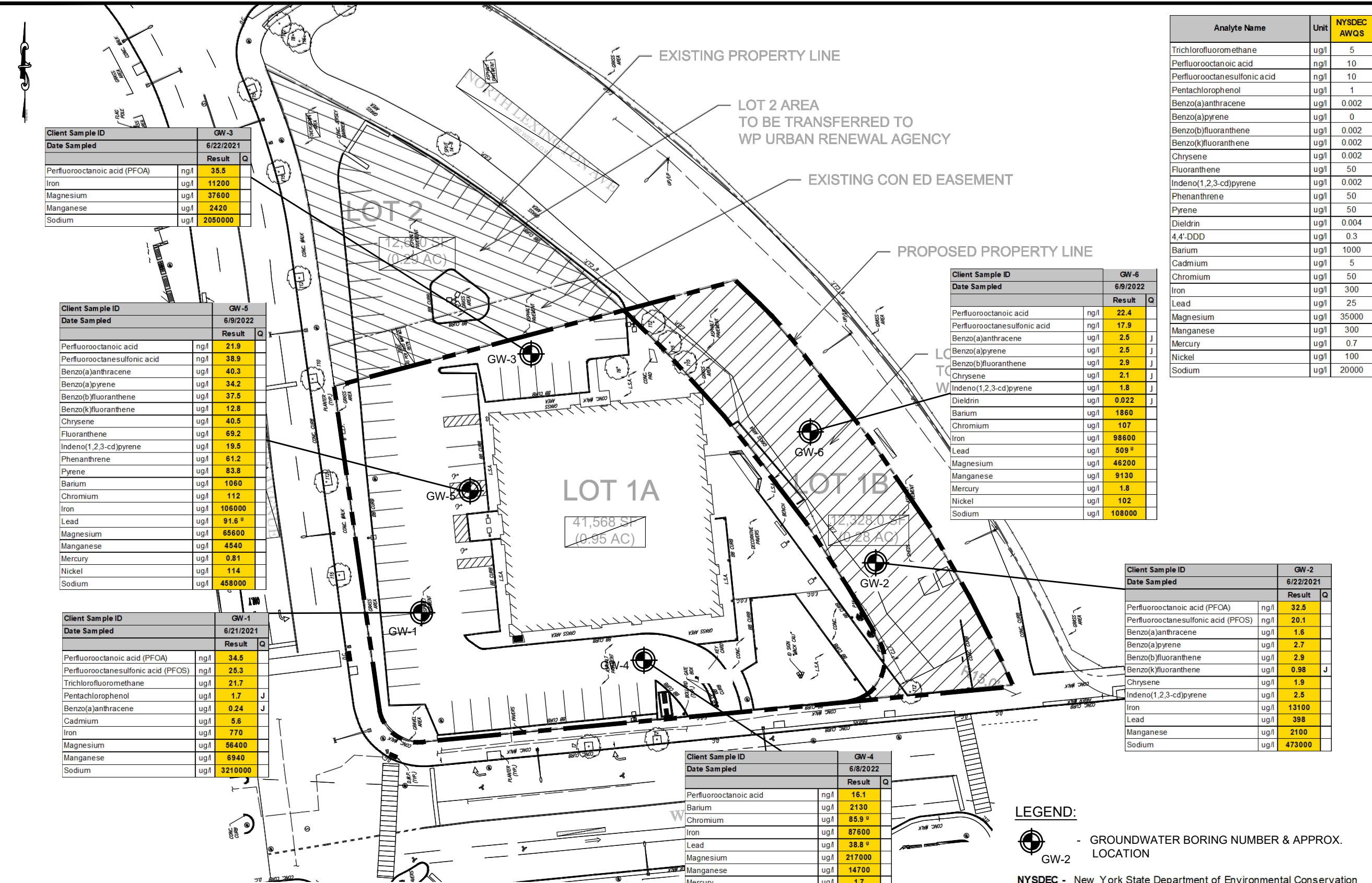
dwg by: AW  
chk by: SG  
scale: AS NOTED  
date: 07/11/2022

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

project: PROPOSED DEVELOPMENT  
1 WATER STREET  
WHITE PLAINS, NY 10601  
title: GROUNDWATER LOCATION PLAN AND RESULTS

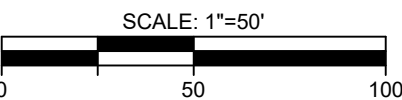
job no: 12392  
drawing no:

**FIG-3.2**



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NOTE:  
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**LEGEND:**

- GROUNDWATER BORING NUMBER & APPROX. LOCATION  
GW-2

NYSDEC - New York State Department of Environmental Conservation

AWQS - Ambient Water Quality Standards

- Concentration of compound exceeds the AWQS

Client Sample ID:	VP-9
Date Sampled:	6/9/2022
MS Volatiles (TO-15) - ug/m3	
Acetone (2-Propanone)	165
Benzene	22
Carbon disulfide	61
Chloroform	4.6
Chloromethane	2.5
Cyclohexane	10
Dichlorodifluoromethane	2.2 J
m-Dichlorobenzene	6.6
Ethanol	76.1
Ethylbenzene	5.6
Ethyl Acetate	12
4-Ethyltoluene	1.9 J
Freon 114	3.4
Heptane	7
Hexane	13
2-Hexanone	4.9
Isopropyl Alcohol	1130 E
Methylene chloride	2.8
Methyl ethyl ketone	20
Methyl Isobutyl Ketone	32
Methylmethacrylate	1.6 J
Propylene	179
1,1,1-Trichloroethane	11
1,2,4-Trimethylbenzene	7.4
1,3,5-Trimethylbenzene	2.3 J
Tertiary Butyl Alcohol	39.7
Tetrachloroethylene	6.6
Tetrahydrofuran	5.9
Toluene	21
Trichlorofluoromethane	348
m,p-Xylene	20
o-Xylene	8.3
Xylenes (total)	28

Client Sample ID:	VP-3
Date Sampled:	6/22/2021
MS Volatiles (TO-15) - ug/m3	
Acetone	824
Benzene	8.9
Carbon disulfide	52.6
Chloroform	3.3 J
Chloromethane	5.4
Cyclohexane	17
Dichlorodifluoromethane	2.4 J
Ethanol	614
Ethylbenzene	5.6
Ethyl Acetate	21
Heptane	19
Hexane	31
Isopropyl Alcohol	46.2
Methylene chloride	14
Methyl ethyl ketone	112
Methyl Isobutyl Ketone	8.2
Propylene	175
1,1,1-Trichloroethane	2.2 J
1,2,4-Trimethylbenzene	6.9
Tertiary Butyl Alcohol	10
Tetrachloroethylene	1.8
Toluene	30
Trichlorofluoromethane	8.4
Vinyl chloride	3.1
m,p-Xylene	22
o-Xylene	7.8
Xylenes (total)	30

Client Sample ID:	VP-4
Date Sampled:	6/22/2021
MS Volatiles (TO-15) - ug/m3	
Acetone	1240
Benzene	17
Carbon disulfide	114
Ethanol	1010
Ethylbenzene	17 J
Heptane	13 J
Hexane	17
2-Hexanone	47.4
Isopropyl Alcohol	103
Methyl ethyl ketone	180
Propylene	472
1,2,4-Trimethylbenzene	14 J
Tertiary Butyl Alcohol	22
Tetrachloroethylene	12
Toluene	56.2
Trichlorofluoromethane	389
m,p-Xylene	68.6
o-Xylene	23
Xylenes (total)	91.6

Client Sample ID:	VP-1
Date Sampled:	6/22/2021
MS Volatiles (TO-15) - ug/m3	
Acetone	1220
Benzene	22
Carbon disulfide	57.3
Cyclohexane	23
Ethanol	292
Ethyl Acetate	37.4
Heptane	16 J
Hexane	55.7
Isopropyl Alcohol	35.2
Methyl ethyl ketone	141
Propylene	1370
Tertiary Butyl Alcohol	24
Toluene	20
m,p-Xylene	18
Xylenes (total)	18

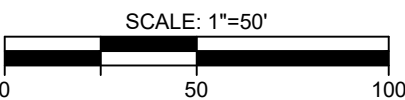
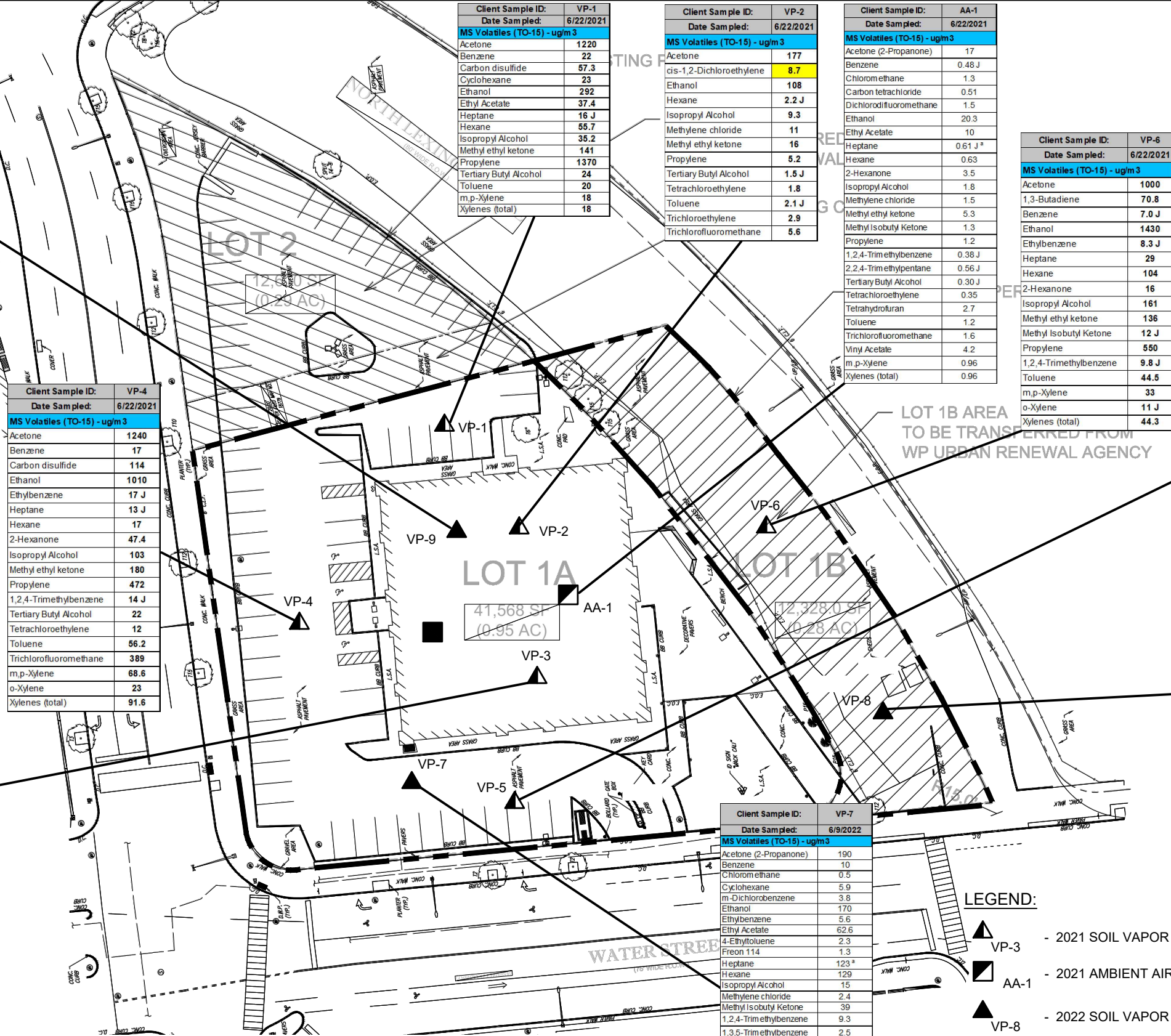
Client Sample ID:	VP-2
Date Sampled:	6/22/2021
MS Volatiles (TO-15) - ug/m3	
Acetone	177
cis-1,2-Dichloroethylene	8.7
Ethanol	108
Hexane	2.2 J
Isopropyl Alcohol	9.3
Methylene chloride	11
Methyl ethyl ketone	16
Propylene	5.2
Tertiary Butyl Alcohol	1.5 J
Tetrachloroethylene	1.8
Toluene	2.1 J
Trichloroethylene	2.9
Trichlorofluoromethane	5.6

Client Sample ID:	AA-1
Date Sampled:	6/22/2021
MS Volatiles (TO-15) - ug/m3	
Acetone (2-Propanone)	17
Benzene	0.48 J
Chloromethane	1.3
Carbon tetrachloride	0.51
Dichlorodifluoromethane	1.5
Ethanol	20.3
Ethyl Acetate	10
Heptane	0.61 J *
Hexane	0.63
2-Hexanone	3.5
Isopropyl Alcohol	1.8
Methylene chloride	1.5
Methyl ethyl ketone	5.3
Methyl Isobutyl Ketone	1.3
Propylene	1.2
1,2,4-Trimethylbenzene	0.38 J
2,2,4-Trimethylpentane	0.56 J
Tertiary Butyl Alcohol	0.30 J
Tetrachloroethylene	0.35
Tetrahydrofuran	2.7
Toluene	1.2
Trichlorofluoromethane	1.6
Vinyl Acetate	4.2
m,p-Xylene	0.96
Xylenes (total)	0.96

Client Sample ID:	VP-6
Date Sampled:	6/22/2021
MS Volatiles (TO-15) - ug/m3	
Acetone	1000
1,3-Butadiene	70.8
Benzene	7.0 J
Ethanol	1430
Ethylbenzene	8.3 J
Heptane	29
Hexane	104
2-Hexanone	16
Isopropyl Alcohol	161
Methyl ethyl ketone	136
Propylene	550
1,2,4-Trimethylbenzene	9.8 J
Toluene	44.5
m,p-Xylene	33
o-Xylene	11 J
Xylenes (total)	44.3

Client Sample ID:	VP-5
Date Sampled:	6/22/2021
MS Volatiles (TO-15) - ug/m3	
Acetone	910
Benzene	31
Carbon disulfide	402
Cyclohexane	2020
1,2-Dichloroethane	10 J
cis-1,2-Dichloroethylene	5.2 J
Ethanol	1230
Heptane	259
Hexane	497
Isopropyl Alcohol	54.3
Methyl ethyl ketone	89.7
Propylene	849
2,2,4-Trimethylpentane	308
Tertiary Butyl Alcohol	13
Tetrachloroethylene	49
Toluene	38
Trichloroethylene	7
m,p-Xylene	23
o-Xylene	8.7 J
Xylenes (total)	32

Client Sample ID:	VP-8
Date Sampled:	6/9/2022
MS Volatiles (TO-15) - ug/m3	
Acetone (2-Propanone)	292
1,3-Butadiene	2.7
Benzene	19
Carbon disulfide	2
Chloroform	2.4
Chloromethane	1.3
Carbon tetrachloride	0.6
m-Dichlorobenzene	9
Ethylbenzene	5.6
Ethyl Acetate	33
4-Ethyltoluene	2.3
Heptane	5.3 *
Methyl ethyl ketone	22
Methyl Isobutyl Ketone	47.5
1,2,4-Trimethylbenzene	9.3
1,3,5-Trimethylbenzene	2.7
2,2,4-Trimethylpentane	13
Tetrachloroethylene	6.8
Tetrahydrofuran	14
Toluene	15
Trichloroethylene	0.47
Trichlorofluoromethane	11
m,p-Xylene	25
o-Xylene	11
Xylenes (total)	36



REFERENCE  
SITE INFORMATION TAKEN FROM "PROPOSED 1 WATER STREET PROJECT SITE"  
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LEGEND:

- VP-3 - 2021 SOIL VAPOR BORING NUMBER & APPROX. LOCATION
- AA-1 - 2021 AMBIENT AIR SAMPLE NUMBER & APPROX. LOCATION
- VP-8 - 2022 SOIL VAPOR BORING NUMBER & APPROX. LOCATION
- 2022 AMBIENT AIR SAMPLE NUMBER & APPROX. LOCATION
- 8.7 - CONCENTRATION EXCEEDS THE NYSDOH MATRICES VALUE

NOTE:  
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Compound	NYSDOH Matrix A	NYSDOH Matrix B
cis-1,2-Dichloroethylene	6	
Methylene chloride		100
1,1,1-Trichloroethane		100
Tetra chloroethylene	6	100
Trichloroethylene		

dwg by: yy  
chk by: SG  
scale: AS NOTED  
date: 06/30/2022

SOILS / FOUNDATIONS  
SITE DESIGN  
ENVIRONMENTAL

**SESI**  
CONSULTING  
ENGINEERS

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

project:  
PROPOSED DEVELOPMENT  
1 WATER STREET  
WHITE PLAINS, NY 10601  
title:  
SOIL VAPOR PLAN AND RESULTS

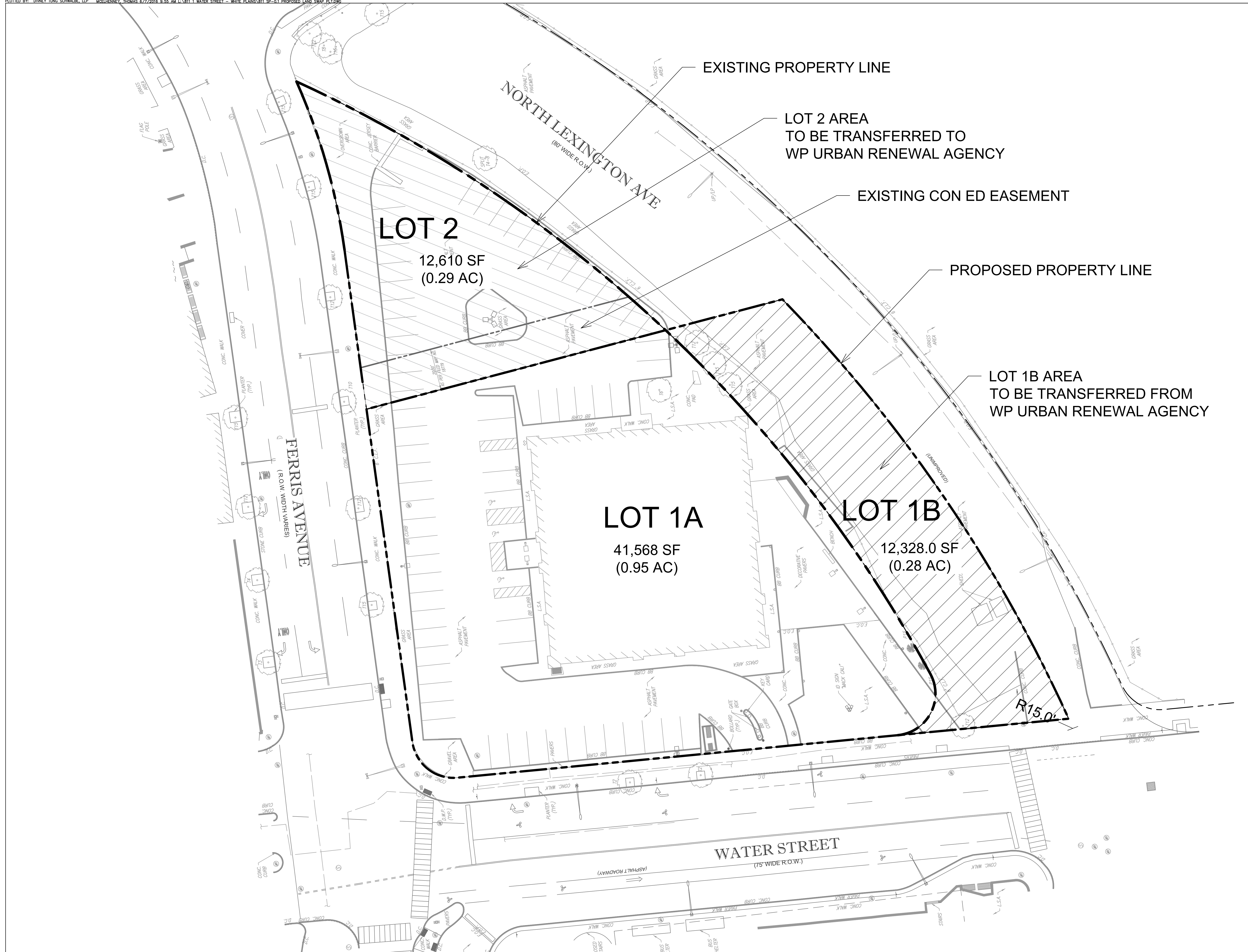
job no: 12392  
drawing no:

**FIG-3.3**

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**Appendix A:**  
Proposed Redevelopment Plan

---



**ONE WATER STREET**  
White Plains, New York

**OWNER / APPLICANT**  
1 Water Street L.L.C.  
Harborside 3, 210 Hudson Street, Suite 400  
Jersey City, NJ 07311

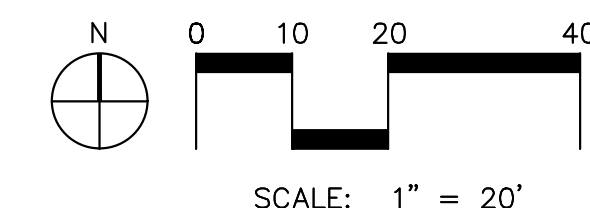
**PLANNER, CIVIL ENGINEER, LANDSCAPE ARCHITECT**

**DIVNEY • TUNG • SCHWALBE**  
Intelligent Land Use

Divney Tung Schwalbe, LLP  
One North Broadway  
White Plains, NY 10601  
P: 914.428.0010  
F: 914.428.0017

**ARCHITECT**  
Lessard Design, Inc. PC  
8521 Leesburg Pike, Suite 700  
Vienna, VA 22182

**SURVEYOR**  
Control Point Associates, Inc. PC  
14 Penn Plaza  
225 West 34th Street  
New York, NY 10122



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NO.	DATE	ISSUE
1	08/16/19	REVISED PER BUILDING COMMISSIONER

**DRAWING TITLE:**  
**PROPOSED 1 WATER STREET PROJECT SITE**



DRAWN BY: MDG/TMM  
PROJECT NO.: 811  
CHECKED BY: MSG  
DATE: 6/27/19

**SP-0.1**

**ONE WATER STREET**  
White Plains, New York

**OWNER / APPLICANT**

1 Water Street L.L.C.  
Harborside 3, 210 Hudson Street, Suite 400  
Jersey City, NJ 07311

**PLANNER, CIVIL ENGINEER, LANDSCAPE ARCHITECT**

**DIVNEY • TUNG • SCHWALBE**  
Intelligent Land Use

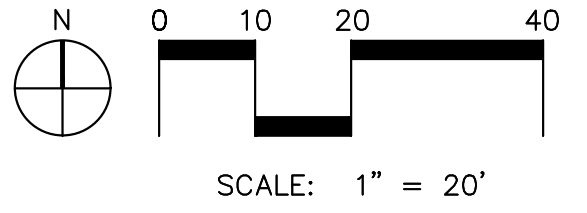
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One North Broadway  
White Plains, NY 10601  
P: 914.428.0010  
F: 914.428.0017

**ARCHITECT**

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Vienna, VA 22182

**SURVEYOR**

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14 Penn Plaza  
225 West 34th Street  
New York, NY 10122



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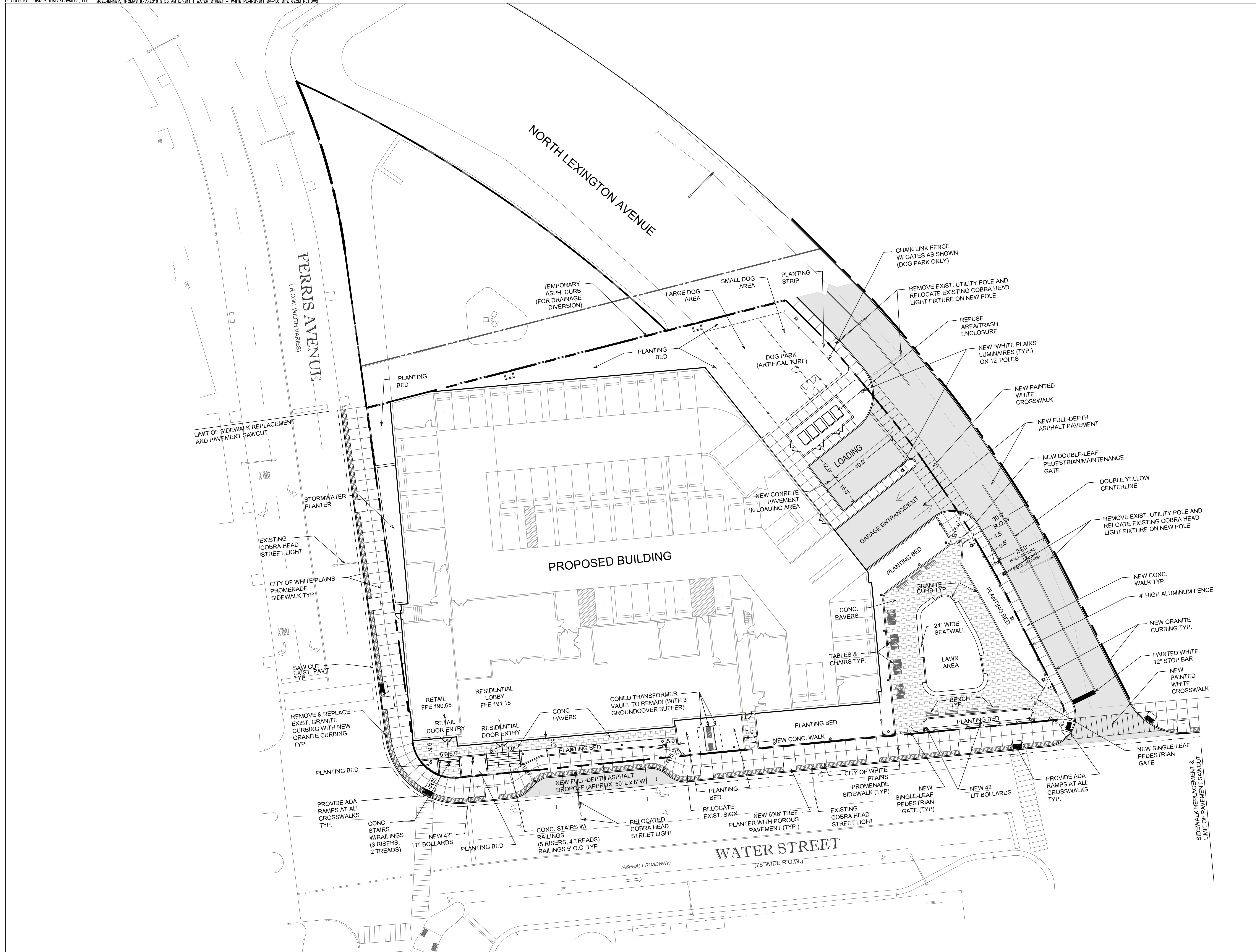
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NO.	DATE	ISSUE
1	08/16/19	REVISED PER BUILDING COMMISSIONER

DRAWING TITLE:

**SITE GEOMETRY PLAN**

	DRAWN BY:	MDG/TMM	CHECKED BY:	MSG
	PROJECT NO.:	811	DATE:	6/27/19
	DRAWING NO.:	SP-1.0		



---

**Appendix B:**  
GPR Report

---



# Coastal Environmental Solutions, Inc.

## **GEOPHYSICAL INVESTIGATION REPORT**

**6.13.2022**

**1 Water Street, White Plains, NY  
Date of Investigation: 6.8.2022**

**Prepared for:**

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

**Prepared By:**



Dennis Berthold  
Coastal Environmental Solutions, Inc.  
PO Box 342  
Medford, New York 11763

## **1.0 INTRODUCTION**

On June 8, 2022, Coastal Environmental Solutions, Inc (Coastal) personnel performed a limited geophysical investigation at the site located at 1 Water Street, White Plains, NY. The area of interest included soil boring locations around the former building and on the surrounding asphalt lot both within the fence line and directly outside. Surface conditions consisted of asphalt, concrete, and soil/grass.

## **2.0 SCOPE OF WORK**

1. Locate and mark detectable underground utilities in close proximity to client proposed soil boring locations.
2. Locate possible UST and related piping in designated areas based on historical data.

## **3.0 EQUIPMENT**

### **ImpulseRadar PinPointR Ultra-Wide Band (UWB) Penetrating Radar System**

Ground Penetrating RADAR (GPR) is a non-destructive geophysical method that produces a continuous cross-sectional profile of subsurface features in real time. GPR operates by transmitting both high and low frequency electromagnetic wave pulses down into the ground through a transmitter in the antenna. The transmitted electromagnetic waves reflect off materials with contrasting dielectric properties from surrounding medium such as underground storage tanks, utilities, distinct contacts between different earth materials, and other various subsurface objects. The antenna receiver collects the reflected electromagnetic waves which are then interpreted by the operator.

The ImpulseRadar PinPointR UWB GPR utilizes a dual band 400/800 MHz HS antenna mounted to a stroller frame which rolls over the surface. The total depth of penetration achieved with the antenna can be up to 10 feet but widely varies based on site-specific subsurface conditions. Conductive materials in the soil attenuate the GPR signal causing a decrease in effective depth of penetration and clarity.

### **Vivax-Metrotech vLoc3-Pro Receiver/Transmitter**

The vLoc3-Pro Receiver is a hand-operated antenna capable of detecting electromagnetic (EM) fields emitted from a source. The EM antenna can detect pipes and cables in the ground at depths of up to 20 feet using active or passive tracing techniques. Passive tracing is the act of locating an underground utility through the detection of electrical or radio signals travelling along conductive utilities. Active tracing is used in conjunction with the Transmitter that is directly connected to the target utility or to a conductive rodder within a non-conductive line. A signal is sent through the utility at a specific frequency that can be detected by the Receiver. The detectability of a target utility depends on many factors including access to the target utility, grounding, depth of utility, conductivity, and other site-specific factors.

### **TW-6 Pipe and Cable Locator**

The TW-6 Pipe and Cable locator is a handheld magnetometer which utilizes a transmitter-receiver pair attached to opposite ends of a handle and carried approximately 1-2ft from the surface. The

magnetometer induces an electromagnetic (EM) field into the ground that is generated by the transmitter. Once the induced EM field passes through a buried metallic object, it generates a secondary EM field which is detected by the receiver, generating an audible tone. Based on the calibration of the magnetometer, the audible tone reflects the strongest response as the highest pitched sound, trailing off on all sides of the peak. This piece of technology can be used to detect subsurface features such as metallic USTs, large diameter conductive pipes, and buried manholes, especially in areas in which traditional GPR methods cannot be utilized, such as overgrown or uneven surfaces.

## 4.0 METHODOLOGY

1. A subsurface investigation was performed in close proximity to the client proposed soil boring locations. Active and passive detection methods were utilized with the VLoc3-Pro receiver/transmitter. Coastal personnel direct connected to all accessible and traceable pipes, conduits, valve covers, and any other surface feature throughout the site. A passive scan was performed throughout the site to detect any potential underground utilities that could not be located with active scan.
2. The TW-6 was utilized to sweep accessible areas around the suspected UST location in 3-to-5-foot spacings for readings that may represent a buried metallic anomaly. Upon detection of a reading, the approximate size and shape of the anomalous area was marked on the surface to be investigated further with GPR.
3. GPR was utilized to further characterize the approximate dimensions, depth, and shape of the anomalies located with the TW-6. The remainder of the areas around the suspected UST location was scanned with GPR in 3-to-5-foot spacing to locate any anomalous features not previously detected such as non-conductive piping and former excavations.
4. All findings were marked on the surface utilizing the American Public Works Association (APWA) recommended color code, seen below:

WHITE	Proposed Excavation
PINK	Temporary Survey Markings (Approximate UST Locations, Soil Boring Locations)
RED	Electric Power Lines, Cables, Conduit and Lighting Cables
YELLOW	Gas, Oil, Steam, Petroleum or Gaseous Materials
ORANGE	Communication, Alarm or Signal Lines, Cables or Conduit
BLUE	Water (Domestic and Fire Lines)
PURPLE	Irrigation (Not commonly used)
GREEN	Sewers and Drain Lines

## 5.0 SUMMARY OF FINDINGS

### Utility Locate

Coastal personnel conducted a utility locate on all accessible areas within the areas of concern. Coastal identified multiple utilities (both live and disconnected) on the property and marked all using the above referenced standard colors. The electrical vault near the entrance to Water Street to the south was determined to still be live, though no lines were detected leading from the vault and manhole onto the site of the demolished building. A natural gas line and a water supply line

were also detected, though they were determined to be disconnected at the street. Drainage was present as this site, though most of the grates were covered with fabric covers and were likely still actively draining water through the system.

### **UST Locate**

Coastal conducted an investigation in multiple areas for a suspected UST. No evidence of an existing UST was found. No evidence of a recently removed UST was found, typically indicated by the presence of non-compacted fill atop the native soil on site. Due to the absence of evidence, it was determined that no UST was present at the property within the accessible areas.

### **Limitations**

The effective depth of GPR penetration was limited to 4.5 feet. The limiting factor was due to soil conductivity attenuating the GPR signal. The GPR and TW-6 is unable to be utilized within close proximity to parked vehicles, metallic fences and exterior walls. A large portion of the site contained the formerly demolished building footprint containing the concrete foundation and slab, and as such in these areas GPR was only able to penetrate 1' deep. The magnetometer was unable to be used on reinforced concrete as the metal content disrupts the signal.

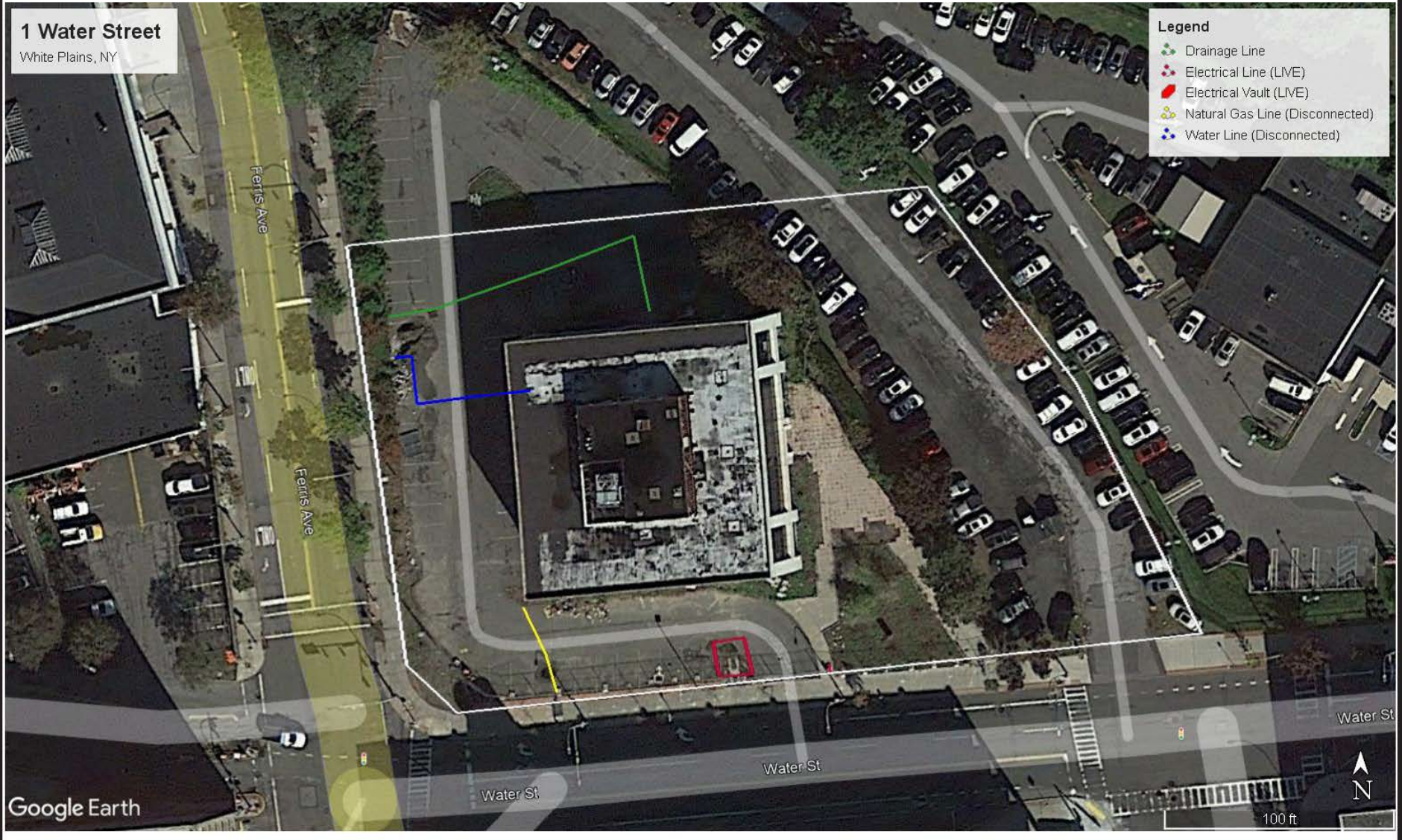
### **Disclaimer**

The subsurface investigation was performed by Coastal after considering the limits of the scope of work and the time constraint for the investigation. The investigation that is described in this report was undertaken in accordance with current accepted standards and practices of the geophysical survey industry. The results and interpretations that are presented are based on professional judgment and are as accurate as can reasonably be achieved. However, no geophysical equipment can accurately depict all subsurface features due to the geology and environmental conditions of the subsurface. Any intrusive work in proximity to identified anomalies should be carefully considered and cross-referenced with all available site-specific documentation. Coastal is not liable for the use, interpretation, or application of the data and information in this report.

# FIGURES

1 Water Street  
White Plains, NY

- Legend**
- Drainage Line
  - Electrical Line (LIVE)
  - Electrical Vault (LIVE)
  - Natural Gas Line (Disconnected)
  - Water Line (Disconnected)



**Geophysical Investigation Results**

1 Water Street  
White Plains, NY



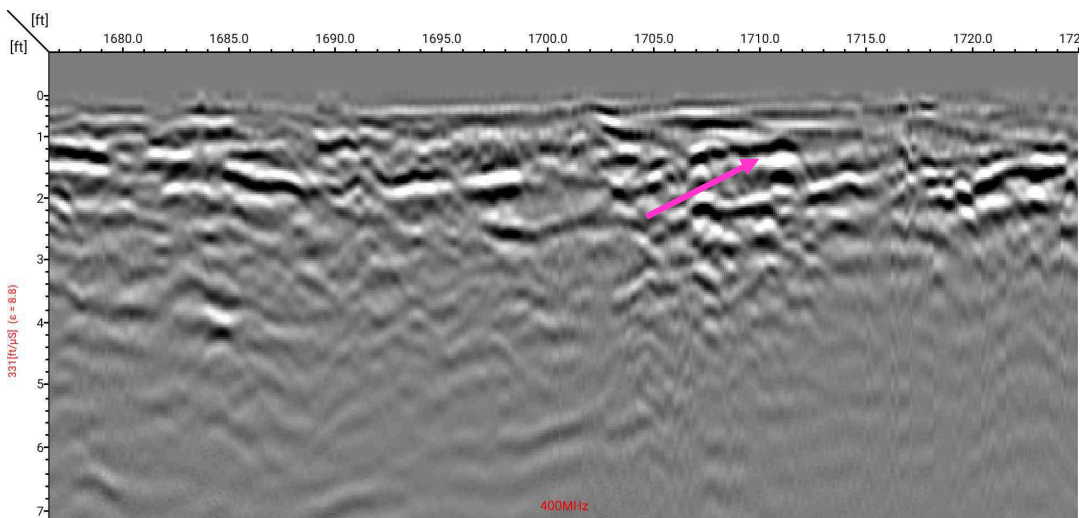
*Coastal Environmental Solutions Inc.*

PO Box 342, Medford New York 11763

Date of Investigation: 6.8.2022

Figure No. 1

# **PHOTOS & GPR SCREENSHOTS**



**Photo 1 and GPR Screenshot 1 – Photo of one of the soil borings with the former building footprint visible in the background. A natural gas utility was detected within the area, but it was determined to be disconnected at the shutoff on the sidewalk. The tracer wire appeared to be damaged as the signal for the trace ended beneath the rear of the Geoprobe in the photo. GPR screenshot shows the former Natural Gas line present at 1-1.5 ft deep.**





**Photo 2 – View of an additional soil boring location proximate to the electrical vault along Water Street. The vault was located beneath the overgrowth visible on the right of the above photo, adjacent to the gate.**



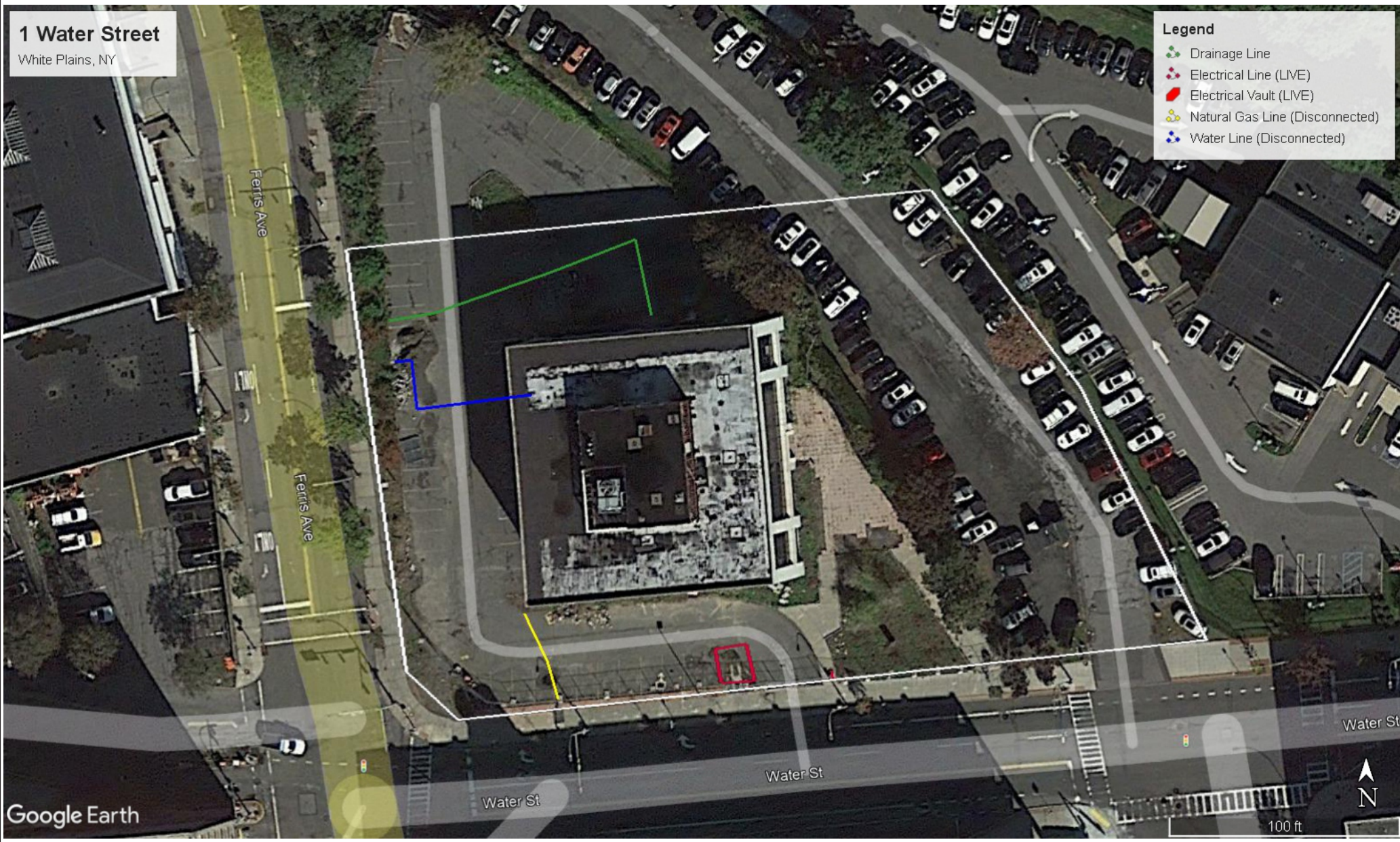
**Photo 3 – View of one of the two soil boring locations outside the fenced-in area of the site. No utilities were detected within this former private roadway/asphalt area.**

# 1 Water Street

White Plains, NY

**Legend**

- Drainage Line
- Electrical Line (LIVE)
- Electrical Vault (LIVE)
- Natural Gas Line (Disconnected)
- Water Line (Disconnected)



## Geophysical Investigation Results

1 Water Street  
White Plains, NY



*Coastal Environmental Solutions Inc.*

PO Box 342, Medford New York 11763


Date of Investigation: 6.8.2022

Figure No. 1

---

**Appendix C:**  
Boring Logs

---

				PROJECT NAME: 1 Water Street		GEOPROBE NO. <b>SB-16</b>	
				LOCATION: White Plains, NY		JOB NO. 12392	
				METHOD: Direct Push		GROUND ELEVATION:	
GEOPROBE BY: Coastal				DATE STARTED: 6/8/2022		GROUNDWATER TABLE DEPTH:	
INSPECTOR: Matthew Majorossy				DATE COMPLETED: 6/8/2022		0 Hr.	24 Hr.
Date							
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
			FROM (ft)	TO (ft)			
0						4-inch Black Asphalt	0
						Fill: Gray/brown medium to fine SAND, some fine Gravel, trace Silt	0
					SB-16 (3-3.5)		0
							0
5	16					Gray medium to fine SAND, trace Silt	0
							0
							0
							0
10	16					Tan medium to fine SAND, trace Silt	0
							0
							0
					SB-16 (12-12.5)		0
							0
							0
15	30						0
							0
							0
							0
20	36					Brown coarse to fine SAND, trace Silt	0
							0
							0
							0
25						BORING COMPLETED AT 20± FEET	
30							
35							
40							


Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1 3/8 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.

				PROJECT NAME: 1 Water Street		GEOPROBE NO. <b>SB-17</b>			
				LOCATION: White Plains, NY		JOB NO. 12392			
				METHOD: Direct Push		GROUND ELEVATION:			
GEOPROBE BY: Coastal				DATE STARTED: 6/8/2022		GROUNDWATER TABLE DEPTH:			
INSPECTOR: Matthew Majorossy				DATE COMPLETED: 6/8/2022		0 Hr.	15.72	24 Hr. N/A	Date N/A
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID		
			FROM (ft)	TO (ft)					
0						4-inch Black Asphalt	0		
5	36				SB-17 (4.5-5)	Fill: Gray medium to fine SAND, little fine Gravel, trace Silt, with Brick fragments	0		
						Black staining 4'-5', petroleum odor	2.9		
						Some thick Black Tar at 4.5'	10		
							20		
10	30					Gray/brown medium to fine SAND, trace Gravel, trace Silt	0		
							0		
							0		
							0		
							0		
15	40				SB-17 (12-12.5)	Brown fine Sand, and Silt	0		
							0		
							0		
							0		
20	48					Wet at 15-feet	0		
							0		
							0		
							0		
							0		
25						BORING COMPLETED AT 20± FEET			
30									
35									
40									


Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1 1/8 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.

				PROJECT NAME: 1 Water Street		GEOPROBE NO. <b>SB-18</b>		
				LOCATION: White Plains, NY		JOB NO. 12392		
				METHOD: Direct Push		GROUND ELEVATION:		
GEOPROBE BY: Coastal				DATE STARTED: 6/8/2022		GROUNDWATER TABLE DEPTH:		
INSPECTOR: Matthew Majorossy				DATE COMPLETED: 6/8/2022		0 Hr.	24 Hr. N/A	Date N/A
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID	
			FROM (ft)	TO (ft)				
0								
5	24				SB-18 (3-3.5)	Fill: Gray/brown medium to fine SAND, trace Gravel, trace Silt with Brick fragments	0	
							0	
							0	
							0	
10	36				SB-18 (10-10.5)	Light brown coarse to fine SAND, trace Silt	0	
							0	
							0	
							0	
15	40						0	
							0	
							0	
							0	
20	40						0	
							0	
							0	
							0	
25							0	
							0	
							0	
							0	
30							0	
							0	
							0	
							0	
35							0	
							0	
							0	
							0	
40							0	
							0	
							0	
							0	


Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1 3/8 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.

				PROJECT NAME: 1 Water Street		GEOPROBE NO. <b>SB-19</b>		
				LOCATION: White Plains, NY		JOB NO. 12392		
				METHOD: Direct Push		GROUND ELEVATION:		
GEOPROBE BY: Coastal				DATE STARTED: 6/8/2022		GROUNDWATER TABLE DEPTH:		
INSPECTOR: Matthew Majorossy				DATE COMPLETED: 6/8/2022		0 Hr.	24 Hr. N/A	Date N/A
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID	
			FROM (ft)	TO (ft)				
0								
5	30				SB-19 (3.5-4)	Fill: Gray/brown medium to fine SAND, trace Gravel, trace Silt with Brick fragments	0	
							0	
							0	
							0	
10	36						0	
						0		
						0		
						0		
15	30				SB-19 (11-11.5)	Light brown coarse to fine SAND, trace Silt	0	
							0	
							0	
							0	
20	36					Wet at 14-feet	0	
							0	
							0	
							0	
25						BORING COMPLETED AT 20± FEET	0	
					0			
					0			
					0			
30						BORING COMPLETED AT 20± FEET	0	
					0			
					0			
					0			
35						BORING COMPLETED AT 20± FEET	0	
					0			
					0			
					0			
40						BORING COMPLETED AT 20± FEET	0	
					0			
					0			
					0			

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1 1/8 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.





				PROJECT NAME: 1 Water Street		GEOPROBE NO. <b>SB-21</b>		
				LOCATION: White Plains, NY		JOB NO. 12392		
				METHOD: Direct Push		GROUND ELEVATION:		
GEOPROBE BY: Coastal				DATE STARTED: 6/8/2022		GROUNDWATER TABLE DEPTH:		
INSPECTOR: Matthew Majorossy				DATE COMPLETED: 6/8/2022		0 Hr.	24 Hr. N/A	Date N/A
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID	
			FROM (ft)	TO (ft)				
0						Fill: Brown medium to fine SAND, trace Gravel, trace Silt	0	
5	30				SB-21 (3.5-4)		0	
10	36					Brown medium to fine SAND, some Silt	0	
15	40				SB-21 (13-13.5)	Wet at 12-feet	0	
20	40					Brown coarse to fine SAND, trace Silt	0	
25						BORING COMPLETED AT 20± FEET		
30								
35								
40								


Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1 3/8 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.

				PROJECT NAME: 1 Water Street		GEOPROBE NO. SB-22	
				LOCATION: White Plains, NY		JOB NO. 12392	
				METHOD: Direct Push		GROUND ELEVATION:	
GEOPROBE BY: Coastal				DATE STARTED: 6/9/2022		GROUNDWATER TABLE DEPTH:	
INSPECTOR: Matthew Majorossy				DATE COMPLETED: 6/9/2022		0 Hr. 24 Hr. N/A Date N/A	
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
			FROM (ft)	TO (ft)			
0						4-inch Black Asphalt	0
5	30					Fill: Gray/brown medium to fine SAND, little Silt	0
							0
							0
							0
10	32						0
							0
							0
							0
15	44					10 to 12-feet: Same as above, with Wood fragments	0
							0
							0
							0
20						BORING COMPLETED AT 15± FEET	0
							0
							0
							0
25							0
							0
							0
							0
30							0
							0
							0
							0
35							0
							0
							0
							0
40							0
							0
							0
							0


Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1 3/8 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.

				PROJECT NAME: 1 Water Street		GEOPROBE NO. <b>SB-23</b>		
				LOCATION: White Plains, NY		JOB NO. 12392		
				METHOD: Direct Push		GROUND ELEVATION:		
GEOPROBE BY: Coastal				DATE STARTED: 6/9/2022		GROUNDWATER TABLE DEPTH:		
INSPECTOR: Matthew Majorossy				DATE COMPLETED: 6/9/2022		0 Hr.	24 Hr. N/A	Date N/A
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID	
			FROM (ft)	TO (ft)				
0								
5	24				SB-23 (4-4.5)	4-inch Black Asphalt	0	
						Fill: Gray/brown coarse to fine SAND, trace Silt, with Asphalt fragments	0	
							0	
							0	
10	16						0	
							0	
							0	
							0	
15	36				SB-23 (11-11.5)	Gray Clayey SILT, trace Sand	0	
							0	
							0	
							0	
20	30					Wet at 15-feet	0	
							0	
							0	
							0	
25						Brown coarse to fine SAND, little Silt	0	
							0	
							0	
							0	
30							0	
							0	
							0	
							0	
35							0	
							0	
							0	
							0	
40							0	
							0	
							0	
							0	


Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1 3/8 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.

				PROJECT NAME: 1 Water Street		GEOPROBE NO. <b>SB-24</b>					
				LOCATION: White Plains, NY		JOB NO. 12392					
				METHOD: Direct Push		GROUND ELEVATION:					
GEOPROBE BY: Coastal				DATE STARTED: 6/9/2022		GROUNDWATER TABLE DEPTH:					
INSPECTOR: Matthew Majorossy				DATE COMPLETED: 6/9/2022		0 Hr.	12.05	24 Hr.	N/A	Date	N/A
DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH		ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID				
			FROM (ft)	TO (ft)							
0											
5	30				SB-24 (2-2.5)	4-inch Black Asphalt	0				
						Fill: Gray/brown coarse to fine SAND, trace Silt, with Brick and Asphalt fragments	0				
							0				
							0				
10	24					Tan medium to fine SAND, trace Silt	0				
							0				
							0				
							0				
15	42				SB-24 (10-10.5)		0				
							0				
							0				
							0				
20	40					Wet at 18-feet	0				
						Brown coarse to fine SAND, trace Silt	0				
							0				
							0				
25						BORING COMPLETED AT 20± FEET					
30											
35											
40											

Nominal I.D. of Hole	in.
Nominal I.D. of Barrel Sampler	1 3/8 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.

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**Appendix D:**  
Laboratory Reports

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The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
*Automated Report*

## Technical Report for

### SESI Consulting Engineers

1 Water Street, White Plains, NY

12392

SGS Job Number: JD46262

Sampling Date: 06/08/22

### Report to:

SESI Consulting Engineers

chris.malvicini@sesi.org

ATTN: Christopher Malvicini

Total number of pages in report: 170



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A blue ink signature of David Chastain.

**David Chastain**  
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

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1

2

3

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## Sample Summary

SESI Consulting Engineers

**Job No:** JD46262

1 Water Street, White Plains, NY  
 Project No: 12392

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:  
 Organics ND = Not detected above the MDL

JD46262-1	06/08/22	08:00	MCM	06/08/22	SO	Soil	SB-16 (3-3.5)
JD46262-2	06/08/22	08:10	MCM	06/08/22	SO	Soil	SB-16 (12-12.5)
JD46262-3	06/08/22	08:30	MCM	06/08/22	SO	Soil	SB-17 (4.5-5)
JD46262-4	06/08/22	08:40	MCM	06/08/22	SO	Soil	SB-17 (12-12.5)
JD46262-5	06/08/22	09:00	MCM	06/08/22	SO	Soil	SB-18 (3-3.5)
JD46262-6	06/08/22	09:10	MCM	06/08/22	SO	Soil	SB-18 (10-10.5)
JD46262-7	06/08/22	10:00	MCM	06/08/22	SO	Soil	SB-19 (3.5-4)
JD46262-8	06/08/22	10:10	MCM	06/08/22	SO	Soil	SB-19 (11-11.5)
JD46262-9	06/08/22	11:00	MCM	06/08/22	SO	Soil	SB-20 (4-4.5)
JD46262-10	06/08/22	11:10	MCM	06/08/22	SO	Soil	SB-20 (10-10.5)
JD46262-11	06/08/22	11:30	MCM	06/08/22	SO	Soil	SB-21 (3.5-4)
JD46262-12	06/08/22	11:46	MCM	06/08/22	SO	Soil	SB-21 (13-13.5)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.





## Sample Summary

(continued)

SESI Consulting Engineers

**Job No:** JD46262

1 Water Street, White Plains, NY

Project No: 12392

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JD46262-13	06/08/22	13:00	MCM	06/08/22	SO Soil	SB-22 (4-4.5)
JD46262-14	06/08/22	13:15	MCM	06/08/22	SO Soil	SB-22 (11-11.5)
JD46262-15	06/08/22	13:30	MCM	06/08/22	AQ Ground Water	GW-4
JD46262-16	06/08/22	13:30	MCM	06/08/22	AQ Trip Blank Water	TB

---

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** SESI Consulting Engineers

**Job No:** JD46262

**Site:** 1 Water Street, White Plains, NY

**Report Date** 6/24/2022 10:34:15 A

On 06/08/2022, 15 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 2.8 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD46262 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

### MS Volatiles By Method SW846 8260D

**Matrix:** AQ

**Batch ID:** V3D7502

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD45945-1MS, JD45945-1MSD were used as the QC samples indicated.
- JD46262-15 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-16 for Acetone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

**Matrix:** SO

**Batch ID:** V1C8114

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46010-6MS, JD46010-6MSD were used as the QC samples indicated.
- RPD(s) for MS/MSD for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, Methyl Acetate are outside control limits. Outside control limits due to matrix interference.

**Matrix:** SO

**Batch ID:** V3C7744

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD46262-8MS, JD46262-9DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Bromoform are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for Duplicate for Acetone are outside control limits. RPD acceptable due to low DUP and sample concentrations.
- JD46262-12 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-13 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46262-13 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-13 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-13 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-14 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-14 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-9 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

Friday, June 24, 2022

Page 1 of 7

## MS Volatiles By Method SW846 8260D

**Matrix:** SO

**Batch ID:** V3C7744

- JD46262-11 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46262-8 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46262-12 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-12 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-12 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46262-11 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-11 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-11 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-11 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-14 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46262-13 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-14 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-13 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-8MS for Bromomethane: Outside in house control limits.
- JD46262-12 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-10 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-14 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V3C7744-BS for Chloroethane: High percent recovery and no associated positive reported in the QC batch.
- JD46262-14 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-9 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46262-10 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-10 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-10 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-10 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-10 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46262-9 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-9 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-8 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-8 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

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## MS Volatiles By Method SW846 8260D

**Matrix:** SO

**Batch ID:** V3C7744

- JD46262-8 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-9 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-8 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V3C7744-BS for Bromomethane: High percent recovery and no associated positive reported in the QC batch.
- JD46262-8 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-11 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46262-8MS for Chloroethane: Outside in house control limits.
- JD46262-12 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46262-9 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

## MS Semi-volatiles By Method SW846 8270E

**Matrix:** AQ

**Batch ID:** OP40157

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JD46262-15 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

**Matrix:** SO

**Batch ID:** OP40218

- All samples were extracted within the recommended method holding time.
- Sample(s) JD46262-1MS, JD46262-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 1,4-Dioxane, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, 4-Nitrophenol, Hexachlorocyclopentadiene, Hexachloroethane are outside control limits. Outside control limits due to matrix interference and dilution.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Hexachlorocyclopentadiene, Phenanthrene are outside control limits. Outside control limits due to matrix interference and dilution.
- RPD(s) for MS/MSD for 1,1'-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,4-Dioxane, 2,2'-Oxybis(1-chloropropane), 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitrophenol, 3&4-Methylphenol, 4-Bromophenyl phenyl ether, 4-Chloro-3-methyl phenol, 4-Chlorophenyl phenyl ether, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Acetophenone, Anthracene, Atrazine, Benzaldehyde, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-Ethylhexyl)phthalate, Butyl benzyl phthalate, Caprolactam, Carbazole, Chrysene, Di-n-butyl phthalate, Di-n-octyl phthalate, Dibenzo(a,h)anthracene, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Naphthalene, Nitrobenzene, Phenanthrene, Phenol, Pyrene are outside control limits of in house control limits.
- JD46262-1: Dilution required due to viscosity of the extract matrix.

## MS Semi-volatiles By Method SW846 8270E BY SIM

**Matrix:** AQ

**Batch ID:** OP40157A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

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## GC/LC Semi-volatiles By Method SW846 8081B

**Matrix:** AQ

**Batch ID:** OP40206A

- All samples were extracted within the recommended method holding time.
- Sample(s) JD46262-15 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- JD46262-15: Detections could be due to lab contamination.

**Matrix:** SO

**Batch ID:** OP40223

- All samples were extracted within the recommended method holding time.
- Sample(s) JD46262-3MS, JD46262-3MSD were used as the QC samples indicated.
- Sample(s) JD46262-1, JD46262-10, JD46262-11, JD46262-12, JD46262-13, JD46262-14, JD46262-2, JD46262-3, JD46262-4, JD46262-5, JD46262-6, JD46262-7, JD46262-8, JD46262-9 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- Sample(s) JD46262-14 have surrogates outside control limits. Outside control limits due to matrix interference.
- JD46262-2: Detections could be due to lab contamination.
- JD46262-3: Had TBA cleanup. Detections could be due to lab contamination.
- JD46262-5: Detections could be due to lab contamination.
- JD46262-6: Detections could be due to lab contamination.
- JD46262-10: Detections could be due to lab contamination.
- JD46262-13: Detections could be due to lab contamination.
- JD46262-7: Detections could be due to lab contamination.
- JD46262-8: Detections could be due to lab contamination.
- JD46262-12: Had TBA cleanup. Detections could be due to lab contamination.
- JD46262-11: Detections could be due to lab contamination.
- JD46262-14: Had TBA cleanup. Detections could be due to lab contamination.
- JD46262-1: Detections could be due to lab contamination.
- JD46262-4: Detections could be due to lab contamination.
- JD46262-9: Detections could be due to lab contamination.
- OP40223-MB1: Had TBA cleanup.
- OP40223-MB1: Detections due to lab contamination.
- JD46262-12 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.
- JD46262-7 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- JD46262-10 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD46262-9 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD46262-11 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD46262-1 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD46262-14 for Tetrachloro-m-xylene: Outside control limits due to matrix interference.
- JD46262-5 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- JD46262-3 for beta-BHC: More than 40 % RPD for detected concentrations between the two GC columns.
- JD46262-14 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.
- JD46262-3 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.
- OP40223-BS1 for 4,4'-DDT: Outside in house control limits due to lab contamination.

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## GC/LC Semi-volatiles By Method SW846 8082A

**Matrix:** AQ

**Batch ID:** OP40207A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

**Matrix:** SO

**Batch ID:** OP40224

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46262-4MS, JD46262-4MSD were used as the QC samples indicated.
- JD46262-3: Had TBA cleanup.
- JD46262-14: Had TBA cleanup.
- JD46262-12: Had TBA cleanup.
- OP40224-MB1: Had TBA cleanup.

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## Metals Analysis By Method SW846 6010D

**Matrix:** AQ

**Batch ID:** MP33394

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46208-13MS, JD46208-13MSD, JD46208-13SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Chromium, Iron, Manganese, Nickel, Selenium, Silver, Zinc are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- Samples(s) JD46262-15: New York does not offer 3010A certification for antimony and silver. The laboratory is certified for method 3010A (Acid Digestion for Total Metals) for all other metals and is certified for the associated analytical methods of 6010C (ICP Analysis) and 6020A (ICP-MS Analysis). New York does certify for method 3005A (Acid Digestion for Total Recoverable or Dissolved Metals) for antimony and silver and the laboratory holds that certification, but that provides total recoverable rather than total metals results.
- JD46262-15 for Chromium: Elevated detection limit due to dilution required for high interfering element.
- JD46262-15 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD46262-15 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD46262-15 for Lead: Elevated detection limit due to dilution required for high interfering element.
- JD46262-15 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- JD46262-15 for Selenium: Elevated detection limit due to dilution required for high interfering element.

**Matrix:** SO

**Batch ID:** MP33381

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46224-1MS, JD46224-1MSD, JD46224-1PS, JD46224-1SDL were used as the QC samples for metals.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Antimony, Magnesium, Manganese, Potassium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- Matrix Spike Recovery(s) for Aluminum, Calcium, Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Cadmium, Silver are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JD46262-8 for Copper: Elevated detection limit due to dilution required for high interfering element.
- MP33381-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- MP33381-SD1 for Vanadium: Serial dilution indicates possible matrix interference.
- MP33381-SD1 for Manganese: Serial dilution indicates possible matrix interference.
- JD46262-4 for Lead: Elevated detection limit due to dilution required for high interfering element.
- JD46262-4 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD46262-4 for Beryllium: Elevated detection limit due to dilution required for high interfering element.
- MP33381-SD1 for Magnesium: Serial dilution indicates possible matrix interference.
- JD46262-4 for Cobalt: Elevated detection limit due to dilution required for high interfering element.
- JD46262-8 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- JD46262-8 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD46262-4 for Antimony: Elevated detection limit due to dilution required for high interfering element.
- JD46262-4 for Thallium: Elevated detection limit due to dilution required for high interfering element.
- JD46262-8 for Cobalt: Elevated detection limit due to dilution required for high interfering element.
- JD46262-4 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- JD46262-8 for Beryllium: Elevated detection limit due to dilution required for high interfering element.
- JD46262-8 for Arsenic: Elevated detection limit due to dilution required for high interfering element.

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## Metals Analysis By Method SW846 6010D

<b>Matrix:</b> SO	<b>Batch ID:</b> MP33381
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- JD46262-4 for Copper: Elevated detection limit due to dilution required for high interfering element.
- JD46262-8 for Antimony: Elevated detection limit due to dilution required for high interfering element.
- MP33381-SD1 for Calcium: Serial dilution indicates possible matrix interference.
- JD46262-4 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD46262-8 for Lead: Elevated detection limit due to dilution required for high interfering element.
- JD46262-8 for Selenium: Elevated detection limit due to dilution required for high interfering element.

## Metals Analysis By Method SW846 7470A

<b>Matrix:</b> AQ	<b>Batch ID:</b> MP33471
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- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD45382-2MS, JD45382-2MSD were used as the QC samples for metals.

## Metals Analysis By Method SW846 7471B

<b>Matrix:</b> SO	<b>Batch ID:</b> MP33468
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- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD45392-1MS, JD45392-1MSD were used as the QC samples for metals.

## General Chemistry By Method EPA 335.4/LACHAT

<b>Matrix:</b> AQ	<b>Batch ID:</b> GP40617
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- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46262-15DUP, JD46262-15MS were used as the QC samples for Cyanide.

## General Chemistry By Method SM2540 G 18TH ED MOD

<b>Matrix:</b> SO	<b>Batch ID:</b> GN30199
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- Sample(s) JD46427-1DUP were used as the QC samples for Solids, Percent.

## General Chemistry By Method SW846 9012B/LACHAT

<b>Matrix:</b> SO	<b>Batch ID:</b> GP40618
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- All samples were prepared within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46262-2DUP, JD46262-2MS, JD46262-3MS were used as the QC samples for Cyanide.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover



## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**JD46262-1 SB-16 (3-3.5)**

Acetone	21.5	10	4.3	ug/kg	SW846 8260D
Anthracene <sup>a</sup>	167 J	170	110	ug/kg	SW846 8270E
Benzo(a)anthracene <sup>a</sup>	451	170	49	ug/kg	SW846 8270E
Benzo(a)pyrene <sup>a</sup>	326	170	79	ug/kg	SW846 8270E
Benzo(b)fluoranthene <sup>a</sup>	394	170	76	ug/kg	SW846 8270E
Benzo(g,h,i)perylene <sup>a</sup>	197	170	87	ug/kg	SW846 8270E
Benzo(k)fluoranthene <sup>a</sup>	189	170	81	ug/kg	SW846 8270E
Carbazole <sup>a</sup>	62.8 J	350	25	ug/kg	SW846 8270E
Chrysene <sup>a</sup>	488	170	55	ug/kg	SW846 8270E
Dibenzofuran <sup>a</sup>	77.2 J	350	70	ug/kg	SW846 8270E
Fluoranthene <sup>a</sup>	852	170	77	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene <sup>a</sup>	258	170	81	ug/kg	SW846 8270E
Phenanthrene <sup>a</sup>	925	170	58	ug/kg	SW846 8270E
Pyrene <sup>a</sup>	971	170	55	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	1540 J			ug/kg	
Dieldrin <sup>b</sup>	1.2	0.65	0.45	ug/kg	SW846 8081B
4,4'-DDD <sup>c</sup>	1.1	0.65	0.60	ug/kg	SW846 8081B
4,4'-DDE <sup>b</sup>	1.6	0.65	0.57	ug/kg	SW846 8081B
4,4'-DDT <sup>b</sup>	8.3 B	0.65	0.58	ug/kg	SW846 8081B
Aluminum	7300	54		mg/kg	SW846 6010D
Barium	56.3	21		mg/kg	SW846 6010D
Beryllium	0.31	0.21		mg/kg	SW846 6010D
Calcium	17300	540		mg/kg	SW846 6010D
Chromium	16.0	1.1		mg/kg	SW846 6010D
Cobalt	5.9	5.4		mg/kg	SW846 6010D
Copper	21.3	2.7		mg/kg	SW846 6010D
Iron	14500	54		mg/kg	SW846 6010D
Lead	18.0	2.1		mg/kg	SW846 6010D
Magnesium	9130	540		mg/kg	SW846 6010D
Manganese	170	1.6		mg/kg	SW846 6010D
Nickel	12.2	4.3		mg/kg	SW846 6010D
Potassium	1760	1100		mg/kg	SW846 6010D
Vanadium	28.1	5.4		mg/kg	SW846 6010D
Zinc	38.7	5.4		mg/kg	SW846 6010D
Cyanide	0.29	0.28		mg/kg	SW846 9012B/LACHAT

**JD46262-2 SB-16 (12-12.5)**

Acetone	34.5	15	6.3	ug/kg	SW846 8260D
Carbon disulfide	1.0 J	3.0	0.81	ug/kg	SW846 8260D
4,4'-DDT <sup>b</sup>	13.1 B	0.63	0.56	ug/kg	SW846 8081B
Aluminum	5360	52		mg/kg	SW846 6010D
Barium	27.4	21		mg/kg	SW846 6010D

## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Beryllium		0.25	0.21		mg/kg	SW846 6010D
Calcium		1010	520		mg/kg	SW846 6010D
Chromium		9.8	1.0		mg/kg	SW846 6010D
Copper		9.5	2.6		mg/kg	SW846 6010D
Iron		9900	52		mg/kg	SW846 6010D
Lead		2.9	2.1		mg/kg	SW846 6010D
Magnesium		2480	520		mg/kg	SW846 6010D
Manganese		91.6	1.6		mg/kg	SW846 6010D
Nickel		9.0	4.2		mg/kg	SW846 6010D
Potassium		1200	1000		mg/kg	SW846 6010D
Vanadium		12.4	5.2		mg/kg	SW846 6010D
Zinc		23.1	5.2		mg/kg	SW846 6010D

**JD46262-3      SB-17 (4.5-5)**

Acetone		37.2	11	4.4	ug/kg	SW846 8260D
Acenaphthene		119	38	13	ug/kg	SW846 8270E
Acenaphthylene		150	38	19	ug/kg	SW846 8270E
Anthracene		308	38	23	ug/kg	SW846 8270E
Benzo(a)anthracene		591	38	11	ug/kg	SW846 8270E
Benzo(a)pyrene		590	38	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		739	38	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		426	38	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene		267	38	18	ug/kg	SW846 8270E
1,1'-Biphenyl		42.9 J	75	5.1	ug/kg	SW846 8270E
Carbazole		69.8 J	75	5.4	ug/kg	SW846 8270E
Chrysene		631	38	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		117	38	17	ug/kg	SW846 8270E
Dibenzofuran		64.5 J	75	15	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		66.2 J	75	8.8	ug/kg	SW846 8270E
Fluoranthene		1190	38	17	ug/kg	SW846 8270E
Fluorene		169	38	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		470	38	18	ug/kg	SW846 8270E
2-Methylnaphthalene		177	38	8.5	ug/kg	SW846 8270E
Naphthalene		115	38	11	ug/kg	SW846 8270E
Phenanthrene		763	38	13	ug/kg	SW846 8270E
Pyrene		1330	38	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		18690 J			ug/kg	
alpha-BHC <sup>d</sup>		1.9	0.73	0.59	ug/kg	SW846 8081B
beta-BHC <sup>e</sup>		1.3	0.73	0.66	ug/kg	SW846 8081B
alpha-Chlordane <sup>d</sup>		3.9	0.73	0.59	ug/kg	SW846 8081B
Dieldrin <sup>d</sup>		1.9	0.73	0.50	ug/kg	SW846 8081B
4,4'-DDD <sup>d</sup>		14.8 B	0.73	0.67	ug/kg	SW846 8081B
4,4'-DDE <sup>d</sup>		7.3	0.73	0.64	ug/kg	SW846 8081B
4,4'-DDT <sup>f</sup>		19.0 B	0.73	0.64	ug/kg	SW846 8081B

## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Heptachlor <sup>d</sup>		1.9	0.73	0.63	ug/kg	SW846 8081B
Heptachlor epoxide <sup>d</sup>		1.4	0.73	0.51	ug/kg	SW846 8081B
Aroclor 1262 <sup>g</sup>		31.7 J	36	24	ug/kg	SW846 8082A
Aluminum		8310	60		mg/kg	SW846 6010D
Arsenic		8.8	2.4		mg/kg	SW846 6010D
Barium		244	24		mg/kg	SW846 6010D
Beryllium		0.47	0.24		mg/kg	SW846 6010D
Cadmium		1.0	0.60		mg/kg	SW846 6010D
Calcium		31700	1200		mg/kg	SW846 6010D
Chromium		18.8	1.2		mg/kg	SW846 6010D
Cobalt		6.7	6.0		mg/kg	SW846 6010D
Copper		58.9	3.0		mg/kg	SW846 6010D
Iron		17600	60		mg/kg	SW846 6010D
Lead		777	2.4		mg/kg	SW846 6010D
Magnesium		4320	600		mg/kg	SW846 6010D
Manganese		249	1.8		mg/kg	SW846 6010D
Mercury		0.64	0.031		mg/kg	SW846 7471B
Nickel		17.2	4.8		mg/kg	SW846 6010D
Potassium		1310	1200		mg/kg	SW846 6010D
Silver		0.78	0.60		mg/kg	SW846 6010D
Vanadium		28.9	6.0		mg/kg	SW846 6010D
Zinc		318	6.0		mg/kg	SW846 6010D
Cyanide		0.35	0.28		mg/kg	SW846 9012B/LACHAT

**JD46262-4 SB-17 (12-12.5)**

1,1'-Biphenyl		6.9 J	85	5.8	ug/kg	SW846 8270E
4,4'-DDD <sup>b</sup>		1.6	0.81	0.75	ug/kg	SW846 8081B
4,4'-DDT <sup>b</sup>		8.7 B	0.81	0.72	ug/kg	SW846 8081B
Aluminum		17400	65		mg/kg	SW846 6010D
Barium		101	26		mg/kg	SW846 6010D
Beryllium <sup>h</sup>		0.89	0.52		mg/kg	SW846 6010D
Cadmium		1.1	0.65		mg/kg	SW846 6010D
Calcium		1780	650		mg/kg	SW846 6010D
Chromium		32.9	1.3		mg/kg	SW846 6010D
Cobalt <sup>h</sup>		13.0	13		mg/kg	SW846 6010D
Copper <sup>h</sup>		27.9	6.5		mg/kg	SW846 6010D
Iron		28000	130		mg/kg	SW846 6010D
Lead <sup>h</sup>		7.2	5.2		mg/kg	SW846 6010D
Magnesium		8070	650		mg/kg	SW846 6010D
Manganese		433	2.0		mg/kg	SW846 6010D
Nickel		29.0	5.2		mg/kg	SW846 6010D
Potassium		4840	1300		mg/kg	SW846 6010D
Vanadium		46.3	6.5		mg/kg	SW846 6010D
Zinc		66.6	6.5		mg/kg	SW846 6010D

## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**JD46262-5 SB-18 (3-3.5)**

Benzene	0.93	0.45	0.41	ug/kg	SW846 8260D
Toluene	0.75 J	0.91	0.48	ug/kg	SW846 8260D
Trichlorofluoromethane	0.87 J	4.5	0.62	ug/kg	SW846 8260D
Acenaphthene	29.9 J	35	12	ug/kg	SW846 8270E
Acenaphthylene	26.4 J	35	18	ug/kg	SW846 8270E
Anthracene	83.4	35	22	ug/kg	SW846 8270E
Benzo(a)anthracene	252	35	10	ug/kg	SW846 8270E
Benzo(a)pyrene	230	35	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene	278	35	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	162	35	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene	101	35	16	ug/kg	SW846 8270E
1,1'-Biphenyl	4.9 J	70	4.8	ug/kg	SW846 8270E
Carbazole	31.9 J	70	5.1	ug/kg	SW846 8270E
Chrysene	248	35	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene	44.5	35	16	ug/kg	SW846 8270E
Dibenzofuran	15.6 J	70	14	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	11.0 J	70	8.2	ug/kg	SW846 8270E
Fluoranthene	442	35	16	ug/kg	SW846 8270E
Fluorene	23.3 J	35	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	177	35	16	ug/kg	SW846 8270E
2-Methylnaphthalene	9.7 J	35	7.9	ug/kg	SW846 8270E
Naphthalene	18.7 J	35	9.9	ug/kg	SW846 8270E
Phenanthrene	336	35	12	ug/kg	SW846 8270E
Pyrene	495	35	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	1280 J			ug/kg	
4,4'-DDD <sup>b</sup>	0.91	0.67	0.61	ug/kg	SW846 8081B
4,4'-DDE <sup>c</sup>	0.73	0.67	0.58	ug/kg	SW846 8081B
4,4'-DDT <sup>b</sup>	6.0 B	0.67	0.59	ug/kg	SW846 8081B
Aluminum	8740	53		mg/kg	SW846 6010D
Arsenic	2.8	2.1		mg/kg	SW846 6010D
Barium	78.5	21		mg/kg	SW846 6010D
Beryllium	0.37	0.21		mg/kg	SW846 6010D
Calcium	18200	530		mg/kg	SW846 6010D
Chromium	16.1	1.1		mg/kg	SW846 6010D
Cobalt	6.0	5.3		mg/kg	SW846 6010D
Copper	21.1	2.6		mg/kg	SW846 6010D
Iron	14100	53		mg/kg	SW846 6010D
Lead	54.9	2.1		mg/kg	SW846 6010D
Magnesium	5030	530		mg/kg	SW846 6010D
Manganese	226	1.6		mg/kg	SW846 6010D
Mercury	0.059	0.036		mg/kg	SW846 7471B
Nickel	11.8	4.2		mg/kg	SW846 6010D

## Summary of Hits

**Job Number:** JD46262  
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**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID	Client Sample ID	Result/Qual	RL	MDL	Units	Method
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Potassium		1800	1100		mg/kg	SW846 6010D
Vanadium		24.7	5.3		mg/kg	SW846 6010D
Zinc		69.1	5.3		mg/kg	SW846 6010D
Cyanide		0.29	0.25		mg/kg	SW846 9012B/LACHAT

**JD46262-6 SB-18 (10-10.5)**

4,4'-DDD <sup>b</sup>		2.0	0.67	0.61	ug/kg	SW846 8081B
4,4'-DDT <sup>b</sup>		12.8 B	0.67	0.59	ug/kg	SW846 8081B
Aluminum		8770	57		mg/kg	SW846 6010D
Barium		45.6	23		mg/kg	SW846 6010D
Beryllium		0.41	0.23		mg/kg	SW846 6010D
Calcium		2130	570		mg/kg	SW846 6010D
Chromium		15.8	1.1		mg/kg	SW846 6010D
Cobalt		6.6	5.7		mg/kg	SW846 6010D
Copper		15.1	2.9		mg/kg	SW846 6010D
Iron		14200	57		mg/kg	SW846 6010D
Lead		4.2	2.3		mg/kg	SW846 6010D
Magnesium		4440	570		mg/kg	SW846 6010D
Manganese		285	1.7		mg/kg	SW846 6010D
Nickel		13.0	4.6		mg/kg	SW846 6010D
Potassium		1610	1100		mg/kg	SW846 6010D
Vanadium		20.7	5.7		mg/kg	SW846 6010D
Zinc		62.0	5.7		mg/kg	SW846 6010D
Cyanide		0.31	0.29		mg/kg	SW846 9012B/LACHAT

**JD46262-7 SB-19 (3.5-4)**

Acenaphthene		25.3 J	37	13	ug/kg	SW846 8270E
Anthracene		71.0	37	22	ug/kg	SW846 8270E
Benzo(a)anthracene		238	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		207	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		234	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		141	37	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		95.1	37	17	ug/kg	SW846 8270E
Carbazole		20.6 J	73	5.3	ug/kg	SW846 8270E
Chrysene		230	37	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		41.8	37	16	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		10.5 J	73	8.6	ug/kg	SW846 8270E
Fluoranthene		400	37	16	ug/kg	SW846 8270E
Fluorene		23.3 J	37	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		164	37	17	ug/kg	SW846 8270E
Phenanthrene		329	37	12	ug/kg	SW846 8270E
Pyrene		494	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		810 J			ug/kg	

## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
4,4' -DDE <sup>c</sup>		0.90	0.73	0.64	ug/kg	SW846 8081B
4,4' -DDT <sup>b</sup>		8.0 B	0.73	0.65	ug/kg	SW846 8081B
Aluminum		8530	55		mg/kg	SW846 6010D
Barium		82.8	22		mg/kg	SW846 6010D
Beryllium		0.37	0.22		mg/kg	SW846 6010D
Calcium		8350	550		mg/kg	SW846 6010D
Chromium		17.3	1.1		mg/kg	SW846 6010D
Cobalt		6.4	5.5		mg/kg	SW846 6010D
Copper		18.6	2.7		mg/kg	SW846 6010D
Iron		14300	55		mg/kg	SW846 6010D
Lead		38.9	2.2		mg/kg	SW846 6010D
Magnesium		4410	550		mg/kg	SW846 6010D
Manganese		299	1.6		mg/kg	SW846 6010D
Mercury		0.095	0.034		mg/kg	SW846 7471B
Nickel		12.1	4.4		mg/kg	SW846 6010D
Potassium		1770	1100		mg/kg	SW846 6010D
Vanadium		22.8	5.5		mg/kg	SW846 6010D
Zinc		59.0	5.5		mg/kg	SW846 6010D
Cyanide		0.31	0.28		mg/kg	SW846 9012B/LACHAT

**JD46262-8 SB-19 (11-11.5)**

Acetone		34.0	11	4.5	ug/kg	SW846 8260D
4,4' -DDT <sup>b</sup>		5.1 B	0.73	0.65	ug/kg	SW846 8081B
Aluminum		14600	57		mg/kg	SW846 6010D
Barium		68.0	23		mg/kg	SW846 6010D
Beryllium <sup>h</sup>		0.73	0.46		mg/kg	SW846 6010D
Calcium		1470	570		mg/kg	SW846 6010D
Chromium		26.5	1.1		mg/kg	SW846 6010D
Cobalt <sup>h</sup>		11.7	11		mg/kg	SW846 6010D
Copper <sup>h</sup>		22.0	5.7		mg/kg	SW846 6010D
Iron		22100	110		mg/kg	SW846 6010D
Lead <sup>h</sup>		7.9	4.6		mg/kg	SW846 6010D
Magnesium		5820	570		mg/kg	SW846 6010D
Manganese		472	1.7		mg/kg	SW846 6010D
Mercury		0.041	0.035		mg/kg	SW846 7471B
Nickel		21.7	4.6		mg/kg	SW846 6010D
Potassium		3130	1100		mg/kg	SW846 6010D
Vanadium		32.6	5.7		mg/kg	SW846 6010D
Zinc		60.4	5.7		mg/kg	SW846 6010D
Cyanide		0.31	0.26		mg/kg	SW846 9012B/LACHAT

**JD46262-9 SB-20 (4-4.5)**

Acetone		4.0 J	9.2	3.8	ug/kg	SW846 8260D
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## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID Analyte	Client Sample ID Result/ Qual	RL	MDL	Units	Method
Trichlorofluoromethane	1.1 J	4.6	0.63	ug/kg	SW846 8260D
Acenaphthene	83.3	36	12	ug/kg	SW846 8270E
Anthracene	224	36	22	ug/kg	SW846 8270E
Benzo(a)anthracene	670	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene	523	36	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene	601	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	332	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene	207	36	17	ug/kg	SW846 8270E
1,1'-Biphenyl	6.2 J	72	4.9	ug/kg	SW846 8270E
Carbazole	58.1 J	72	5.2	ug/kg	SW846 8270E
Chrysene	658	36	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene	94.7	36	16	ug/kg	SW846 8270E
Dibenzofuran	39.0 J	72	15	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	29.8 J	72	8.4	ug/kg	SW846 8270E
Fluoranthene	1150	36	16	ug/kg	SW846 8270E
Fluorene	70.5	36	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	357	36	17	ug/kg	SW846 8270E
2-Methylnaphthalene	29.0 J	36	8.1	ug/kg	SW846 8270E
Naphthalene	36.4	36	10	ug/kg	SW846 8270E
Phenanthrene	1070	36	12	ug/kg	SW846 8270E
Pyrene	1420	36	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	3600 J			ug/kg	
4,4'-DDD <sup>c</sup>	1.5	0.68	0.63	ug/kg	SW846 8081B
4,4'-DDE <sup>c</sup>	1.1	0.68	0.60	ug/kg	SW846 8081B
4,4'-DDT <sup>b</sup>	8.8 B	0.68	0.60	ug/kg	SW846 8081B
Aluminum	8440	54		mg/kg	SW846 6010D
Barium	82.9	22		mg/kg	SW846 6010D
Beryllium	0.37	0.22		mg/kg	SW846 6010D
Calcium	5230	540		mg/kg	SW846 6010D
Chromium	18.0	1.1		mg/kg	SW846 6010D
Cobalt	6.0	5.4		mg/kg	SW846 6010D
Copper	17.0	2.7		mg/kg	SW846 6010D
Iron	14800	54		mg/kg	SW846 6010D
Lead	32.9	2.2		mg/kg	SW846 6010D
Magnesium	3520	540		mg/kg	SW846 6010D
Manganese	239	1.6		mg/kg	SW846 6010D
Mercury	0.040	0.028		mg/kg	SW846 7471B
Nickel	13.1	4.3		mg/kg	SW846 6010D
Potassium	2020	1100		mg/kg	SW846 6010D
Vanadium	24.5	5.4		mg/kg	SW846 6010D
Zinc	44.3	5.4		mg/kg	SW846 6010D
Cyanide	0.34	0.31		mg/kg	SW846 9012B/LACHAT

## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**JD46262-10 SB-20 (10-10.5)**

Acetone	27.1	11	4.4	ug/kg	SW846 8260D
Carbon disulfide	3.6	2.1	0.56	ug/kg	SW846 8260D
Total TIC, Volatile	378 J			ug/kg	
Benzo(a)anthracene	45.7	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene	43.7	36	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene	53.2	36	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	39.7	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene	21.5 J	36	17	ug/kg	SW846 8270E
Chrysene	39.8	36	11	ug/kg	SW846 8270E
Fluoranthene	57.5	36	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	38.3	36	17	ug/kg	SW846 8270E
Phenanthrene	23.4 J	36	12	ug/kg	SW846 8270E
Pyrene	61.8	36	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	490 J			ug/kg	
alpha-Chlordane <sup>b</sup>	1.0	0.73	0.59	ug/kg	SW846 8081B
gamma-Chlordane <sup>b</sup>	0.67 J	0.73	0.33	ug/kg	SW846 8081B
4,4'-DDD <sup>c</sup>	1.1	0.73	0.67	ug/kg	SW846 8081B
4,4'-DDT <sup>b</sup>	9.2 B	0.73	0.64	ug/kg	SW846 8081B
Aluminum	9420	55		mg/kg	SW846 6010D
Barium	64.1	22		mg/kg	SW846 6010D
Beryllium	0.39	0.22		mg/kg	SW846 6010D
Calcium	3450	550		mg/kg	SW846 6010D
Chromium	18.3	1.1		mg/kg	SW846 6010D
Cobalt	6.7	5.5		mg/kg	SW846 6010D
Copper	19.7	2.7		mg/kg	SW846 6010D
Iron	14800	55		mg/kg	SW846 6010D
Lead	19.8	2.2		mg/kg	SW846 6010D
Magnesium	3930	550		mg/kg	SW846 6010D
Manganese	226	1.6		mg/kg	SW846 6010D
Mercury	0.064	0.032		mg/kg	SW846 7471B
Nickel	13.2	4.4		mg/kg	SW846 6010D
Potassium	1660	1100		mg/kg	SW846 6010D
Vanadium	23.9	5.5		mg/kg	SW846 6010D
Zinc	38.8	5.5		mg/kg	SW846 6010D

**JD46262-11 SB-21 (3.5-4)**

Trichlorofluoromethane	1.4 J	4.8	0.66	ug/kg	SW846 8260D
Total TIC, Volatile	7.7 J			ug/kg	
Anthracene	40.1	36	22	ug/kg	SW846 8270E
Benzo(a)anthracene	148	36	10	ug/kg	SW846 8270E
Benzo(a)pyrene	139	36	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene	144	36	16	ug/kg	SW846 8270E



## Summary of Hits

**Job Number:** JD46262  
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**Project:** 1 Water Street, White Plains, NY  
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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(g,h,i)perylene		103	36	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		61.4	36	17	ug/kg	SW846 8270E
Carbazole		8.0 J	72	5.2	ug/kg	SW846 8270E
Chrysene		143	36	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		21.9 J	36	16	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		9.0 J	72	8.4	ug/kg	SW846 8270E
Fluoranthene		215	36	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		109	36	17	ug/kg	SW846 8270E
Phenanthrene		137	36	12	ug/kg	SW846 8270E
Pyrene		301	36	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		450 J			ug/kg	
Dieldrin <sup>b</sup>		0.77	0.71	0.49	ug/kg	SW846 8081B
4,4'-DDD <sup>c</sup>		1.2	0.71	0.65	ug/kg	SW846 8081B
4,4'-DDE <sup>b</sup>		0.86	0.71	0.62	ug/kg	SW846 8081B
4,4'-DDT <sup>b</sup>		11.7 B	0.71	0.63	ug/kg	SW846 8081B
Aluminum		10400	54		mg/kg	SW846 6010D
Barium		64.4	22		mg/kg	SW846 6010D
Beryllium		0.44	0.22		mg/kg	SW846 6010D
Calcium		2890	540		mg/kg	SW846 6010D
Chromium		17.7	1.1		mg/kg	SW846 6010D
Cobalt		6.0	5.4		mg/kg	SW846 6010D
Copper		18.5	2.7		mg/kg	SW846 6010D
Iron		15000	54		mg/kg	SW846 6010D
Lead		13.5	2.2		mg/kg	SW846 6010D
Magnesium		3440	540		mg/kg	SW846 6010D
Manganese		199	1.6		mg/kg	SW846 6010D
Nickel		12.9	4.3		mg/kg	SW846 6010D
Potassium		1740	1100		mg/kg	SW846 6010D
Vanadium		24.1	5.4		mg/kg	SW846 6010D
Zinc		38.6	5.4		mg/kg	SW846 6010D

**JD46262-12      SB-21 (13-13.5)**

Acetone		116	12	4.8	ug/kg	SW846 8260D
2-Butanone (MEK)		12.6	12	2.8	ug/kg	SW846 8260D
Anthracene		28.5 J	41	25	ug/kg	SW846 8270E
Benzo(a)anthracene		120	41	12	ug/kg	SW846 8270E
Benzo(a)pyrene		112	41	19	ug/kg	SW846 8270E
Benzo(b)fluoranthene		139	41	18	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		80.0	41	21	ug/kg	SW846 8270E
Benzo(k)fluoranthene		53.7	41	19	ug/kg	SW846 8270E
Carbazole		14.9 J	82	6.0	ug/kg	SW846 8270E
Chrysene		122	41	13	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		29.6 J	41	18	ug/kg	SW846 8270E
Fluoranthene		210	41	18	ug/kg	SW846 8270E

## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Indeno(1,2,3-cd)pyrene		97.6	41	19	ug/kg	SW846 8270E
Phenanthrene		131	41	14	ug/kg	SW846 8270E
Pyrene		203	41	13	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		670 J			ug/kg	
4,4'-DDD <sup>d</sup>		3.5 B	0.83	0.76	ug/kg	SW846 8081B
4,4'-DDT <sup>f</sup>		9.9 B	0.83	0.73	ug/kg	SW846 8081B
Aluminum		18100	62		mg/kg	SW846 6010D
Arsenic		6.1	2.5		mg/kg	SW846 6010D
Barium		236	25		mg/kg	SW846 6010D
Beryllium		0.73	0.25		mg/kg	SW846 6010D
Calcium		1870	620		mg/kg	SW846 6010D
Chromium		27.4	1.2		mg/kg	SW846 6010D
Cobalt		9.1	6.2		mg/kg	SW846 6010D
Copper		37.6	3.1		mg/kg	SW846 6010D
Iron		23500	62		mg/kg	SW846 6010D
Lead		365	2.5		mg/kg	SW846 6010D
Magnesium		4850	620		mg/kg	SW846 6010D
Manganese		297	1.9		mg/kg	SW846 6010D
Mercury		0.21	0.035		mg/kg	SW846 7471B
Nickel		20.2	5.0		mg/kg	SW846 6010D
Potassium		1970	1200		mg/kg	SW846 6010D
Vanadium		35.9	6.2		mg/kg	SW846 6010D
Zinc		234	6.2		mg/kg	SW846 6010D

### JD46262-13 SB-22 (4-4.5)

Acetone		51.9	9.7	4.0	ug/kg	SW846 8260D
2-Butanone (MEK)		8.3 J	9.7	2.3	ug/kg	SW846 8260D
Trichlorofluoromethane		8.0	4.8	0.66	ug/kg	SW846 8260D
Acenaphthylene		55.9	38	19	ug/kg	SW846 8270E
Anthracene		66.6	38	24	ug/kg	SW846 8270E
Benzo(a)anthracene		250	38	11	ug/kg	SW846 8270E
Benzo(a)pyrene		293	38	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		364	38	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		218	38	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene		131	38	18	ug/kg	SW846 8270E
1,1'-Biphenyl		8.1 J	77	5.3	ug/kg	SW846 8270E
Carbazole		23.3 J	77	5.6	ug/kg	SW846 8270E
Chrysene		278	38	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		62.3	38	17	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		13.4 J	77	9.0	ug/kg	SW846 8270E
Fluoranthene		400	38	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		254	38	18	ug/kg	SW846 8270E
2-Methylnaphthalene		28.1 J	38	8.7	ug/kg	SW846 8270E
Naphthalene		28.9 J	38	11	ug/kg	SW846 8270E

## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Phenanthrene		191	38	13	ug/kg	SW846 8270E
Pyrene		415	38	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		1680 J			ug/kg	
Dieldrin <sup>b</sup>		0.73	0.73	0.50	ug/kg	SW846 8081B
4,4'-DDD <sup>b</sup>		2.4	0.73	0.67	ug/kg	SW846 8081B
4,4'-DDE <sup>b</sup>		1.2	0.73	0.64	ug/kg	SW846 8081B
4,4'-DDT <sup>b</sup>		7.3 B	0.73	0.65	ug/kg	SW846 8081B
Aluminum		12600	58		mg/kg	SW846 6010D
Arsenic		5.3	2.3		mg/kg	SW846 6010D
Barium		92.3	23		mg/kg	SW846 6010D
Beryllium		0.54	0.23		mg/kg	SW846 6010D
Calcium		3690	580		mg/kg	SW846 6010D
Chromium		27.1	1.2		mg/kg	SW846 6010D
Cobalt		8.2	5.8		mg/kg	SW846 6010D
Copper		39.0	2.9		mg/kg	SW846 6010D
Iron		20500	58		mg/kg	SW846 6010D
Lead		190	2.3		mg/kg	SW846 6010D
Magnesium		5760	580		mg/kg	SW846 6010D
Manganese		292	1.7		mg/kg	SW846 6010D
Mercury		0.19	0.034		mg/kg	SW846 7471B
Nickel		21.8	4.6		mg/kg	SW846 6010D
Potassium		2130	1200		mg/kg	SW846 6010D
Vanadium		32.9	5.8		mg/kg	SW846 6010D
Zinc		136	5.8		mg/kg	SW846 6010D

### JD46262-14 SB-22 (11-11.5)

Acetone		320	11	4.6	ug/kg	SW846 8260D
Benzene		0.52 J	0.55	0.50	ug/kg	SW846 8260D
2-Butanone (MEK)		52.0	11	2.7	ug/kg	SW846 8260D
Carbon disulfide		3.6	2.2	0.59	ug/kg	SW846 8260D
Chlorobenzene		0.69 J	2.2	0.51	ug/kg	SW846 8260D
Trichlorofluoromethane		169	5.5	0.76	ug/kg	SW846 8260D
o-Xylene		0.59 J	1.1	0.51	ug/kg	SW846 8260D
Xylene (total)		0.59 J	1.1	0.51	ug/kg	SW846 8260D
Total TIC, Volatile		35.3 J			ug/kg	
Acenaphthene		208	39	13	ug/kg	SW846 8270E
Acenaphthylene		81.8	39	20	ug/kg	SW846 8270E
Anthracene		875	39	24	ug/kg	SW846 8270E
Benzo(a)anthracene		1670	39	11	ug/kg	SW846 8270E
Benzo(a)pyrene		1200	39	18	ug/kg	SW846 8270E
Benzo(b)fluoranthene		1350	39	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		547	39	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene		512	39	18	ug/kg	SW846 8270E
1,1'-Biphenyl		25.9 J	77	5.3	ug/kg	SW846 8270E

## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Carbazole		111	77	5.6	ug/kg	SW846 8270E
Chrysene		1510	39	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		205	39	17	ug/kg	SW846 8270E
Dibenzofuran		62.9 J	77	16	ug/kg	SW846 8270E
Fluoranthene		2710	39	17	ug/kg	SW846 8270E
Fluorene		255	39	18	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		705	39	18	ug/kg	SW846 8270E
2-Methylnaphthalene		79.2	39	8.7	ug/kg	SW846 8270E
Naphthalene		177	39	11	ug/kg	SW846 8270E
Phenanthrene		2360	39	13	ug/kg	SW846 8270E
Pyrene		2670	39	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		11870 J			ug/kg	
4,4'-DDD <sup>d</sup>		2.5 B	0.77	0.71	ug/kg	SW846 8081B
4,4'-DDE <sup>d</sup>		1.3	0.77	0.67	ug/kg	SW846 8081B
4,4'-DDT <sup>f</sup>		9.9 B	0.77	0.68	ug/kg	SW846 8081B
Aluminum		16200	61		mg/kg	SW846 6010D
Arsenic		4.5	2.4		mg/kg	SW846 6010D
Barium		126	24		mg/kg	SW846 6010D
Beryllium		0.62	0.24		mg/kg	SW846 6010D
Calcium		5050	610		mg/kg	SW846 6010D
Chromium		27.0	1.2		mg/kg	SW846 6010D
Cobalt		8.5	6.1		mg/kg	SW846 6010D
Copper		29.5	3.0		mg/kg	SW846 6010D
Iron		23400	61		mg/kg	SW846 6010D
Lead		134	2.4		mg/kg	SW846 6010D
Magnesium		5360	610		mg/kg	SW846 6010D
Manganese		336	1.8		mg/kg	SW846 6010D
Mercury		0.29	0.037		mg/kg	SW846 7471B
Nickel		18.3	4.8		mg/kg	SW846 6010D
Potassium		2220	1200		mg/kg	SW846 6010D
Sodium		1360	1200		mg/kg	SW846 6010D
Vanadium		33.5	6.1		mg/kg	SW846 6010D
Zinc		129	6.1		mg/kg	SW846 6010D
Cyanide		0.50	0.31		mg/kg	SW846 9012B/LACHAT

### JD46262-15 GW-4

Total TIC, Semi-Volatile	13 J				ug/l	
4,4'-DDT <sup>b</sup>	0.047 B	0.0067	0.0046		ug/l	SW846 8081B
Aluminum	50400	200			ug/l	SW846 6010D
Barium	2130	200			ug/l	SW846 6010D
Beryllium	2.1	1.0			ug/l	SW846 6010D
Calcium	848000	25000			ug/l	SW846 6010D
Chromium <sup>h</sup>	85.9	50			ug/l	SW846 6010D
Cobalt	59.4	50			ug/l	SW846 6010D

## Summary of Hits

**Job Number:** JD46262  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/08/22

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		132	10		ug/l	SW846 6010D
Iron		87600	100		ug/l	SW846 6010D
Lead <sup>h</sup>		38.8	15		ug/l	SW846 6010D
Magnesium		217000	5000		ug/l	SW846 6010D
Manganese		14700	75		ug/l	SW846 6010D
Mercury		1.7	1.2		ug/l	SW846 7470A
Nickel		101	10		ug/l	SW846 6010D
Potassium		46000	10000		ug/l	SW846 6010D
Sodium		735000	50000		ug/l	SW846 6010D
Vanadium		89.3	50		ug/l	SW846 6010D
Zinc		219	20		ug/l	SW846 6010D

### JD46262-16 TB

No hits reported in this sample.

- (a) Dilution required due to viscosity of the extract matrix.
- (b) Detections could be due to lab contamination.
- (c) Detections could be due to lab contamination. More than 40 % RPD for detected concentrations between the two GC columns.
- (d) Had TBA cleanup. Detections could be due to lab contamination.
- (e) Had TBA cleanup. Detections could be due to lab contamination. More than 40 % RPD for detected concentrations between the two GC columns.
- (f) Had TBA cleanup. Detections could be due to lab contamination. This compound outside control limits biased high in the associated BS.
- (g) Had TBA cleanup.
- (h) Elevated detection limit due to dilution required for high interfering element.

Sample Results

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Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b> SB-16 (3-3.5)		
<b>Lab Sample ID:</b> JD46262-1		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 93.2
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	1C186533.D	1	06/14/22 12:35	BK	06/09/22 11:46	n/a	VIC8114

Run #1	Initial Weight
Run #2	5.2 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	21.5	10	4.3	ug/kg	
71-43-2	Benzene	ND	0.52	0.47	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	0.58	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.44	ug/kg	
75-25-2	Bromoform	ND	5.2	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.79	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	0.55	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.64	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.47	ug/kg	
75-00-3	Chloroethane	ND	5.2	0.61	ug/kg	
67-66-3	Chloroform	ND	2.1	0.54	ug/kg	
74-87-3	Chloromethane	ND	5.2	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.68	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.72	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.58	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.56	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.51	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.2	0.75	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.68	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.87	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.49	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.47	ug/kg	
76-13-1	Freon 113	ND	5.2	2.8	ug/kg	
591-78-6	2-Hexanone	ND	5.2	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-16 (3-3.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-1		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 93.2
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> 1 Water Street, White Plains, NY		

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.2	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.90	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.2	2.7	ug/kg	
100-42-5	Styrene	ND	2.1	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.62	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.60	ug/kg	
108-88-3	Toluene	ND	1.0	0.54	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.57	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.79	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	0.71	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.50	ug/kg	
	m,p-Xylene	ND	1.0	0.92	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-124%
17060-07-0	1,2-Dichloroethane-D4	104%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	100%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	16.30	6.9	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound



# Report of Analysis

<b>Client Sample ID:</b> SB-16 (3-3.5)	
<b>Lab Sample ID:</b> JD46262-1	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546	<b>Percent Solids:</b> 93.2
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	Z157930.D	5	06/15/22 14:49	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

### ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	350	85	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	870	110	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	870	150	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	870	310	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	650	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	870	190	ug/kg	
95-48-7	2-Methylphenol	ND	350	110	ug/kg	
	3&4-Methylphenol	ND	350	140	ug/kg	
88-75-5	2-Nitrophenol	ND	870	110	ug/kg	
100-02-7	4-Nitrophenol	ND	1700	460	ug/kg	
87-86-5	Pentachlorophenol	ND	690	160	ug/kg	
108-95-2	Phenol	ND	350	90	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	870	110	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	870	130	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	870	100	ug/kg	
83-32-9	Acenaphthene	ND	170	60	ug/kg	
208-96-8	Acenaphthylene	ND	170	88	ug/kg	
98-86-2	Acetophenone	ND	870	37	ug/kg	
120-12-7	Anthracene	167	170	110	ug/kg	J
1912-24-9	Atrazine	ND	350	74	ug/kg	
56-55-3	Benzo(a)anthracene	451	170	49	ug/kg	
50-32-8	Benzo(a)pyrene	326	170	79	ug/kg	
205-99-2	Benzo(b)fluoranthene	394	170	76	ug/kg	
191-24-2	Benzo(g,h,i)perylene	197	170	87	ug/kg	
207-08-9	Benzo(k)fluoranthene	189	170	81	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	350	67	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	42	ug/kg	
92-52-4	1,1'-Biphenyl	ND	350	24	ug/kg	
100-52-7	Benzaldehyde	ND	870	43	ug/kg	
91-58-7	2-Chloronaphthalene	ND	350	41	ug/kg	
106-47-8	4-Chloroaniline	ND	870	62	ug/kg	
86-74-8	Carbazole	62.8	350	25	ug/kg	J

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-16 (3-3.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-1	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	93.2
<b>Method:</b>	SW846 8270E SW846 3546		
<b>Project:</b>	1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	350	68	ug/kg	
218-01-9	Chrysene	488	170	55	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	350	37	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	350	75	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	350	62	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	350	56	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	54	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	170	87	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	350	140	ug/kg	
123-91-1	1,4-Dioxane	ND	170	110	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	76	ug/kg	
132-64-9	Dibenzofuran	77.2	350	70	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	350	28	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	43	ug/kg	
84-66-2	Diethyl phthalate	ND	350	37	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	31	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	40	ug/kg	
206-44-0	Fluoranthene	852	170	77	ug/kg	
86-73-7	Fluorene	ND	170	79	ug/kg	
118-74-1	Hexachlorobenzene	ND	350	44	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	70	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1700	69	ug/kg	
67-72-1	Hexachloroethane	ND	870	86	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	258	170	81	ug/kg	
78-59-1	Isophorone	ND	350	37	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	39	ug/kg	
88-74-4	2-Nitroaniline	ND	870	41	ug/kg	
99-09-2	3-Nitroaniline	ND	870	43	ug/kg	
100-01-6	4-Nitroaniline	ND	870	45	ug/kg	
91-20-3	Naphthalene	ND	170	49	ug/kg	
98-95-3	Nitrobenzene	ND	350	67	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	350	50	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	870	63	ug/kg	
85-01-8	Phenanthrene	925	170	58	ug/kg	
129-00-0	Pyrene	971	170	55	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	870	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%		10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-16 (3-3.5)	
<b>Lab Sample ID:</b> JD46262-1	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546	<b>Percent Solids:</b> 93.2
<b>Project:</b> 1 Water Street, White Plains, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	23%		10-96%
118-79-6	2,4,6-Tribromophenol	28%		10-123%
4165-60-0	Nitrobenzene-d5	27%		10-109%
321-60-8	2-Fluorobiphenyl	26%		11-109%
1718-51-0	Terphenyl-d14	27%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-unknown	10.46 15.36	800 740	ug/kg	JN J
	Total TIC, Semi-Volatile		1540	ug/kg	J

(a) Dilution required due to viscosity of the extract matrix.

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> SB-16 (3-3.5)	
<b>Lab Sample ID:</b> JD46262-1	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 93.2
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177238.D	1	06/16/22 00:44	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	16.5 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.65	0.54	ug/kg	
319-84-6	alpha-BHC	ND	0.65	0.53	ug/kg	
319-85-7	beta-BHC	ND	0.65	0.59	ug/kg	
319-86-8	delta-BHC	ND	0.65	0.62	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.65	0.48	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.65	0.52	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.65	0.29	ug/kg	
60-57-1	Dieldrin	1.2	0.65	0.45	ug/kg	
72-54-8	4,4'-DDD <sup>b</sup>	1.1	0.65	0.60	ug/kg	
72-55-9	4,4'-DDE	1.6	0.65	0.57	ug/kg	
50-29-3	4,4'-DDT	8.3	0.65	0.58	ug/kg	B
72-20-8	Endrin	ND	0.65	0.51	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.65	0.51	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.65	0.37	ug/kg	
959-98-8	Endosulfan-I	ND	0.65	0.37	ug/kg	
33213-65-9	Endosulfan-II	ND	0.65	0.41	ug/kg	
76-44-8	Heptachlor	ND	0.65	0.56	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.65	0.46	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.52	ug/kg	
53494-70-5	Endrin ketone	ND	0.65	0.47	ug/kg	
8001-35-2	Toxaphene	ND	16	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	37%		14-145%
877-09-8	Tetrachloro-m-xylene	39%		14-145%
2051-24-3	Decachlorobiphenyl	27%		10-197%
2051-24-3	Decachlorobiphenyl	80%		10-197%

(a) Detections could be due to lab contamination.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

MDL = Method Detection Limit  
 J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

4.1  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-16 (3-3.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-1		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 93.2
<b>Method:</b> SW846 8082A SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11799.D	1	06/20/22 10:45	CL	06/14/22 19:20	OP40224	GRK304
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.5 g	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	13	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	17	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	39%		10-163%
877-09-8	Tetrachloro-m-xylene	42%		10-163%
2051-24-3	Decachlorobiphenyl	28%		10-215%
2051-24-3	Decachlorobiphenyl	61%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-16 (3-3.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-1		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 93.2
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	7300	54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.1	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	< 2.1	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	56.3	21	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.31	0.21	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.54	0.54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	17300	540	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	16.0	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	5.9	5.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	21.3	2.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	14500	54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	18.0	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	9130	540	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	170	1.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	< 0.031	0.031	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	12.2	4.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1760	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.1	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.54	0.54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	28.1	5.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	38.7	5.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

4.1  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-16 (3-3.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-1	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 93.2
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.29	0.28	mg/kg	1	06/13/22 09:45	MM	SW846 9012B/LACHAT
Solids, Percent	93.2		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.1  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-16 (12-12.5)	
<b>Lab Sample ID:</b> JD46262-2	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035	<b>Percent Solids:</b> 96.6
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	1C186534.D	1	06/14/22 13:02	BK	06/09/22 11:46	n/a	VIC8114

Run #1	Initial Weight
Run #2	3.4 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	34.5	15	6.3	ug/kg	
71-43-2	Benzene	ND	0.76	0.69	ug/kg	
74-97-5	Bromochloromethane	ND	7.6	0.85	ug/kg	
75-27-4	Bromodichloromethane	ND	3.0	0.65	ug/kg	
75-25-2	Bromoform	ND	7.6	2.1	ug/kg	
74-83-9	Bromomethane	ND	7.6	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	3.7	ug/kg	
75-15-0	Carbon disulfide	1.0	3.0	0.81	ug/kg	J
56-23-5	Carbon tetrachloride	ND	3.0	0.94	ug/kg	
108-90-7	Chlorobenzene	ND	3.0	0.70	ug/kg	
75-00-3	Chloroethane	ND	7.6	0.90	ug/kg	
67-66-3	Chloroform	ND	3.0	0.79	ug/kg	
74-87-3	Chloromethane	ND	7.6	3.0	ug/kg	
110-82-7	Cyclohexane	ND	3.0	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.0	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	3.0	0.85	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.5	0.64	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.5	0.83	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.5	0.76	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.5	0.75	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.6	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.5	0.75	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.72	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.5	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	0.93	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.0	0.72	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.0	0.72	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.0	0.70	ug/kg	
100-41-4	Ethylbenzene	ND	1.5	0.69	ug/kg	
76-13-1	Freon 113	ND	7.6	4.1	ug/kg	
591-78-6	2-Hexanone	ND	7.6	3.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-16 (12-12.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-2		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 96.6
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> 1 Water Street, White Plains, NY		

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	3.0	2.2	ug/kg	
79-20-9	Methyl Acetate	ND	7.6	2.1	ug/kg	
108-87-2	Methylcyclohexane	ND	3.0	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.71	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.6	3.5	ug/kg	
75-09-2	Methylene chloride	ND	7.6	4.0	ug/kg	
100-42-5	Styrene	ND	3.0	0.61	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.0	0.91	ug/kg	
127-18-4	Tetrachloroethene	ND	3.0	0.88	ug/kg	
108-88-3	Toluene	ND	1.5	0.80	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.6	3.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.6	3.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.0	0.74	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.0	0.84	ug/kg	
79-01-6	Trichloroethene	ND	1.5	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.6	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	3.0	0.73	ug/kg	
	m,p-Xylene	ND	1.5	1.4	ug/kg	
95-47-6	o-Xylene	ND	1.5	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	1.5	0.70	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-124%
17060-07-0	1,2-Dichloroethane-D4	102%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	95%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	16.30	8.8	ug/kg	J
	system artifact	18.00	13	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.2  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-16 (12-12.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-2		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 96.6
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157917.D	1	06/15/22 09:44	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	69	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	21	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	29	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	37	ug/kg	
95-48-7	2-Methylphenol	ND	69	22	ug/kg	
	3&4-Methylphenol	ND	69	28	ug/kg	
88-75-5	2-Nitrophenol	ND	170	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	92	ug/kg	
87-86-5	Pentachlorophenol	ND	140	32	ug/kg	
108-95-2	Phenol	ND	69	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	ND	35	18	ug/kg	
98-86-2	Acetophenone	ND	170	7.4	ug/kg	
120-12-7	Anthracene	ND	35	21	ug/kg	
1912-24-9	Atrazine	ND	69	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	9.8	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	8.4	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	8.2	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	69	5.0	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-16 (12-12.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-2	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 96.6
<b>Method:</b> SW846 8270E SW846 3546	
<b>Project:</b> 1 Water Street, White Plains, NY	

**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	38%		10-96%
118-79-6	2,4,6-Tribromophenol	47%		10-123%
4165-60-0	Nitrobenzene-d5	40%		10-109%
321-60-8	2-Fluorobiphenyl	43%		11-109%
1718-51-0	Terphenyl-d14	48%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.06	240	ug/kg	J
	system artifact	3.26	220	ug/kg	J
	system artifact/aldol-condensation	3.30	140	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

4.2  
4



## Report of Analysis

<b>Client Sample ID:</b> SB-16 (12-12.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-2	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 96.6
<b>Method:</b> SW846 8082A SW846 3546	
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11767.D	1	06/19/22 22:04	TL	06/14/22 19:20	OP40224	GRK303
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	32	15	ug/kg	
11104-28-2	Aroclor 1221	ND	32	20	ug/kg	
11141-16-5	Aroclor 1232	ND	32	20	ug/kg	
53469-21-9	Aroclor 1242	ND	32	13	ug/kg	
12672-29-6	Aroclor 1248	ND	32	28	ug/kg	
11097-69-1	Aroclor 1254	ND	32	17	ug/kg	
11096-82-5	Aroclor 1260	ND	32	13	ug/kg	
11100-14-4	Aroclor 1268	ND	32	13	ug/kg	
37324-23-5	Aroclor 1262	ND	32	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	65%		10-163%
877-09-8	Tetrachloro-m-xylene	72%		10-163%
2051-24-3	Decachlorobiphenyl	57%		10-215%
2051-24-3	Decachlorobiphenyl	57%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.2  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-16 (12-12.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-2	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 96.6
<b>Project:</b> 1 Water Street, White Plains, NY	

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5360	52	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.1	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	< 2.1	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	27.4	21	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.25	0.21	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.52	0.52	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	1010	520	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	9.8	1.0	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	< 5.2	5.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	9.5	2.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	9900	52	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	2.9	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	2480	520	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	91.6	1.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	< 0.032	0.032	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	9.0	4.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1200	1000	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.1	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.52	0.52	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1000	1000	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.0	1.0	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	12.4	5.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	23.1	5.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

4.2  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-16 (12-12.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-2	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 96.6
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	06/13/22 09:46	MM	SW846 9012B/LACHAT
Solids, Percent	96.6		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.2  
4



## Report of Analysis

<b>Client Sample ID:</b> SB-17 (4.5-5)	
<b>Lab Sample ID:</b> JD46262-3	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035	<b>Percent Solids:</b> 88.1
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C186536.D	1	06/14/22 13:57	BK	06/09/22 11:46	n/a	VIC8114
Run #2							

Run #1	Initial Weight
Run #1	5.3 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	37.2	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.54	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.46	ug/kg	
75-25-2	Bromoform	ND	5.4	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.4	0.82	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	0.57	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.66	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.49	ug/kg	
75-00-3	Chloroethane	ND	5.4	0.63	ug/kg	
67-66-3	Chloroform	ND	2.1	0.56	ug/kg	
74-87-3	Chloromethane	ND	5.4	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.70	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.74	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.60	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.45	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.58	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.53	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.53	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.4	0.78	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.53	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.70	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.90	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.65	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.49	ug/kg	
76-13-1	Freon 113	ND	5.4	2.9	ug/kg	
591-78-6	2-Hexanone	ND	5.4	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-17 (4.5-5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-3		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 88.1
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> 1 Water Street, White Plains, NY		

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.4	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.94	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.50	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.4	2.4	ug/kg	
75-09-2	Methylene chloride	ND	5.4	2.8	ug/kg	
100-42-5	Styrene	ND	2.1	0.43	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.64	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.62	ug/kg	
108-88-3	Toluene	ND	1.1	0.56	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.4	2.7	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.4	2.7	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.52	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.59	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.82	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.4	0.73	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.52	ug/kg	
	m,p-Xylene	ND	1.1	0.96	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.49	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-124%
17060-07-0	1,2-Dichloroethane-D4	102%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	98%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	16.30	7.7	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.3  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-17 (4.5-5)		
<b>Lab Sample ID:</b> JD46262-3		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546		<b>Percent Solids:</b> 88.1
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157926.D	1	06/15/22 13:15	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	75	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	32	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	67	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	40	ug/kg	
95-48-7	2-Methylphenol	ND	75	24	ug/kg	
	3&4-Methylphenol	ND	75	31	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	35	ug/kg	
108-95-2	Phenol	ND	75	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	28	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	22	ug/kg	
83-32-9	Acenaphthene	119	38	13	ug/kg	
208-96-8	Acenaphthylene	150	38	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.1	ug/kg	
120-12-7	Anthracene	308	38	23	ug/kg	
1912-24-9	Atrazine	ND	75	16	ug/kg	
56-55-3	Benzo(a)anthracene	591	38	11	ug/kg	
50-32-8	Benzo(a)pyrene	590	38	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	739	38	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	426	38	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	267	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	9.2	ug/kg	
92-52-4	1,1'-Biphenyl	42.9	75	5.1	ug/kg	J
100-52-7	Benzaldehyde	ND	190	9.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	8.9	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	69.8	75	5.4	ug/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





## Report of Analysis

<b>Client Sample ID:</b> SB-17 (4.5-5)	
<b>Lab Sample ID:</b> JD46262-3	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 88.1
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177314.D	1	06/21/22 00:00	CP	06/14/22 19:20	OP40223	G1G6151
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.73	0.60	ug/kg	
319-84-6	alpha-BHC	1.9	0.73	0.59	ug/kg	
319-85-7	beta-BHC <sup>b</sup>	1.3	0.73	0.66	ug/kg	
319-86-8	delta-BHC	ND	0.73	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.73	0.54	ug/kg	
5103-71-9	alpha-Chlordane	3.9	0.73	0.59	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.73	0.33	ug/kg	
60-57-1	Dieldrin	1.9	0.73	0.50	ug/kg	
72-54-8	4,4'-DDD	14.8	0.73	0.67	ug/kg	B
72-55-9	4,4'-DDE	7.3	0.73	0.64	ug/kg	
50-29-3	4,4'-DDT <sup>c</sup>	19.0	0.73	0.64	ug/kg	B
72-20-8	Endrin	ND	0.73	0.57	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.73	0.57	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.73	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.73	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.73	0.45	ug/kg	
76-44-8	Heptachlor	1.9	0.73	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	1.4	0.73	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	0.73	0.53	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	50%		14-145%
877-09-8	Tetrachloro-m-xylene	69%		14-145%
2051-24-3	Decachlorobiphenyl	48%		10-197%
2051-24-3	Decachlorobiphenyl	149%		10-197%

(a) Had TBA cleanup. Detections could be due to lab contamination.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

(c) This compound outside control limits biased high in the associated BS.

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-17 (4.5-5)	
<b>Lab Sample ID:</b> JD46262-3	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8082A SW846 3546	<b>Percent Solids:</b> 88.1
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	RK11804.D	1	06/20/22 12:35	CL	06/14/22 19:20	OP40224	GRK304
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	23	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	20	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	31.7	36	24	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	50%		10-163%
877-09-8	Tetrachloro-m-xylene	46%		10-163%
2051-24-3	Decachlorobiphenyl	51%		10-215%
2051-24-3	Decachlorobiphenyl	88%		10-215%

(a) Had TBA cleanup.

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.3  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-17 (4.5-5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-3		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 88.1
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8310	60	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Antimony	< 2.4	2.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Arsenic	8.8	2.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Barium	244	24	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Beryllium	0.47	0.24	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Cadmium	1.0	0.60	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Calcium	31700	1200	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Chromium	18.8	1.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Cobalt	6.7	6.0	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Copper	58.9	3.0	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Iron	17600	60	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Lead	777	2.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Magnesium	4320	600	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Manganese	249	1.8	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Mercury	0.64	0.031	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>3</sup>	SW846 7471B <sup>5</sup>
Nickel	17.2	4.8	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Potassium	1310	1200	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Selenium	< 2.4	2.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Silver	0.78	0.60	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1200	1200	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Thallium	< 1.2	1.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Vanadium	28.9	6.0	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Zinc	318	6.0	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>

- (1) Instrument QC Batch: MA52552
- (2) Instrument QC Batch: MA52562
- (3) Instrument QC Batch: MA52566
- (4) Prep QC Batch: MP33381
- (5) Prep QC Batch: MP33468

RL = Reporting Limit

4.3  
4



## Report of Analysis

<b>Client Sample ID:</b> SB-17 (4.5-5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-3	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 88.1
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.35	0.28	mg/kg	1	06/13/22 09:47	MM	SW846 9012B/LACHAT
Solids, Percent	88.1		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.3  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-17 (12-12.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-4		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 78.2
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	1C186537.D	1	06/14/22 14:24	BK	06/09/22 11:46	n/a	VIC8114

Run #1	Initial Weight
Run #2	5.2 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	5.1	ug/kg	
71-43-2	Benzene	ND	0.61	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	0.69	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.53	ug/kg	
75-25-2	Bromoform	ND	6.1	1.7	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.94	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.5	0.66	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.56	ug/kg	
75-00-3	Chloroethane	ND	6.1	0.73	ug/kg	
67-66-3	Chloroform	ND	2.5	0.64	ug/kg	
74-87-3	Chloromethane	ND	6.1	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.5	0.81	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.85	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.69	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.52	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.67	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.61	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	0.89	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.61	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.75	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.58	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.56	ug/kg	
76-13-1	Freon 113	ND	6.1	3.3	ug/kg	
591-78-6	2-Hexanone	ND	6.1	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-17 (12-12.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-4	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	78.2
<b>Method:</b>	SW846 8260D SW846 5035		
<b>Project:</b>	1 Water Street, White Plains, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.5	1.7	ug/kg	
79-20-9	Methyl Acetate	ND	6.1	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.5	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.58	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	2.8	ug/kg	
75-09-2	Methylene chloride	ND	6.1	3.2	ug/kg	
100-42-5	Styrene	ND	2.5	0.49	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.74	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.71	ug/kg	
108-88-3	Toluene	ND	1.2	0.65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	3.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.59	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.68	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.94	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.84	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.59	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-124%
17060-07-0	1,2-Dichloroethane-D4	99%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	98%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-17 (12-12.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-4		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 78.2
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157914.D	1	06/15/22 08:33	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	85	21	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	26	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	75	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	210	160	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	210	45	ug/kg	
95-48-7	2-Methylphenol	ND	85	27	ug/kg	
	3&4-Methylphenol	ND	85	35	ug/kg	
88-75-5	2-Nitrophenol	ND	210	28	ug/kg	
100-02-7	4-Nitrophenol	ND	420	110	ug/kg	
87-86-5	Pentachlorophenol	ND	170	40	ug/kg	
108-95-2	Phenol	ND	85	22	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	210	28	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	25	ug/kg	
83-32-9	Acenaphthene	ND	42	15	ug/kg	
208-96-8	Acenaphthylene	ND	42	22	ug/kg	
98-86-2	Acetophenone	ND	210	9.1	ug/kg	
120-12-7	Anthracene	ND	42	26	ug/kg	
1912-24-9	Atrazine	ND	85	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	42	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	42	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	42	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	42	21	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	42	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	85	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	85	10	ug/kg	
92-52-4	1,1'-Biphenyl	6.9	85	5.8	ug/kg	J
100-52-7	Benzaldehyde	ND	210	11	ug/kg	
91-58-7	2-Chloronaphthalene	ND	85	10	ug/kg	
106-47-8	4-Chloroaniline	ND	210	15	ug/kg	
86-74-8	Carbazole	ND	85	6.1	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-17 (12-12.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-4	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	78.2
<b>Method:</b>	SW846 8270E SW846 3546		
<b>Project:</b>	1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	85	17	ug/kg	
218-01-9	Chrysene	ND	42	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	85	9.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	85	18	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	85	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	85	14	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	42	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	42	21	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	85	35	ug/kg	
123-91-1	1,4-Dioxane	ND	42	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	42	19	ug/kg	
132-64-9	Dibenzofuran	ND	85	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	85	6.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	85	11	ug/kg	
84-66-2	Diethyl phthalate	ND	85	9.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	85	7.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	85	9.9	ug/kg	
206-44-0	Fluoranthene	ND	42	19	ug/kg	
86-73-7	Fluorene	ND	42	19	ug/kg	
118-74-1	Hexachlorobenzene	ND	85	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	420	17	ug/kg	
67-72-1	Hexachloroethane	ND	210	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42	20	ug/kg	
78-59-1	Isophorone	ND	85	9.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	42	9.6	ug/kg	
88-74-4	2-Nitroaniline	ND	210	10	ug/kg	
99-09-2	3-Nitroaniline	ND	210	11	ug/kg	
100-01-6	4-Nitroaniline	ND	210	11	ug/kg	
91-20-3	Naphthalene	ND	42	12	ug/kg	
98-95-3	Nitrobenzene	ND	85	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	85	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	15	ug/kg	
85-01-8	Phenanthrene	ND	42	14	ug/kg	
129-00-0	Pyrene	ND	42	14	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	210	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-17 (12-12.5)	
<b>Lab Sample ID:</b> JD46262-4	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546	<b>Percent Solids:</b> 78.2
<b>Project:</b> 1 Water Street, White Plains, NY	

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	47%		10-96%
118-79-6	2,4,6-Tribromophenol	54%		10-123%
4165-60-0	Nitrobenzene-d5	49%		10-109%
321-60-8	2-Fluorobiphenyl	51%		11-109%
1718-51-0	Terphenyl-d14	55%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.06	390	ug/kg	J
	system artifact	3.26	320	ug/kg	J
	system artifact	3.44	200	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

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 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> SB-17 (12-12.5)	
<b>Lab Sample ID:</b> JD46262-4	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 78.2
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177243.D	1	06/16/22 02:15	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

### Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.81	0.67	ug/kg	
319-84-6	alpha-BHC	ND	0.81	0.66	ug/kg	
319-85-7	beta-BHC	ND	0.81	0.74	ug/kg	
319-86-8	delta-BHC	ND	0.81	0.78	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.81	0.60	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.81	0.66	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.81	0.37	ug/kg	
60-57-1	Dieldrin	ND	0.81	0.56	ug/kg	
72-54-8	4,4'-DDD	1.6	0.81	0.75	ug/kg	
72-55-9	4,4'-DDE	ND	0.81	0.71	ug/kg	
50-29-3	4,4'-DDT	8.7	0.81	0.72	ug/kg	B
72-20-8	Endrin	ND	0.81	0.63	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.81	0.64	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.81	0.46	ug/kg	
959-98-8	Endosulfan-I	ND	0.81	0.47	ug/kg	
33213-65-9	Endosulfan-II	ND	0.81	0.51	ug/kg	
76-44-8	Heptachlor	ND	0.81	0.70	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.81	0.57	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.65	ug/kg	
53494-70-5	Endrin ketone	ND	0.81	0.59	ug/kg	
8001-35-2	Toxaphene	ND	20	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		14-145%
877-09-8	Tetrachloro-m-xylene	58%		14-145%
2051-24-3	Decachlorobiphenyl	31%		10-197%
2051-24-3	Decachlorobiphenyl	44%		10-197%

(a) Detections could be due to lab contamination.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.4  
 4

## Report of Analysis

<b>Client Sample ID:</b> SB-17 (12-12.5)	
<b>Lab Sample ID:</b> JD46262-4	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8082A SW846 3546	<b>Percent Solids:</b> 78.2
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11768.D	1	06/19/22 22:20	TL	06/14/22 19:20	OP40224	GRK303
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	41	19	ug/kg	
11104-28-2	Aroclor 1221	ND	41	25	ug/kg	
11141-16-5	Aroclor 1232	ND	41	26	ug/kg	
53469-21-9	Aroclor 1242	ND	41	17	ug/kg	
12672-29-6	Aroclor 1248	ND	41	36	ug/kg	
11097-69-1	Aroclor 1254	ND	41	22	ug/kg	
11096-82-5	Aroclor 1260	ND	41	17	ug/kg	
11100-14-4	Aroclor 1268	ND	41	17	ug/kg	
37324-23-5	Aroclor 1262	ND	41	27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		10-163%
877-09-8	Tetrachloro-m-xylene	81%		10-163%
2051-24-3	Decachlorobiphenyl	68%		10-215%
2051-24-3	Decachlorobiphenyl	68%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.4  
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## Report of Analysis

<b>Client Sample ID:</b> SB-17 (12-12.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-4		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 78.2
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	17400	65	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Antimony <sup>a</sup>	< 5.2	5.2	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic <sup>a</sup>	< 5.2	5.2	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	101	26	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Beryllium <sup>a</sup>	0.89	0.52	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	1.1	0.65	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Calcium	1780	650	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Chromium	32.9	1.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Cobalt <sup>a</sup>	13.0	13	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper <sup>a</sup>	27.9	6.5	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	28000	130	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead <sup>a</sup>	7.2	5.2	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	8070	650	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Manganese	433	2.0	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Mercury	< 0.039	0.039	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>3</sup>	SW846 7471B <sup>5</sup>
Nickel	29.0	5.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Potassium	4840	1300	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Selenium <sup>a</sup>	< 5.2	5.2	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver <sup>a</sup>	< 1.3	1.3	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1300	1300	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Thallium <sup>a</sup>	< 2.6	2.6	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	46.3	6.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Zinc	66.6	6.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>

- (1) Instrument QC Batch: MA52552
- (2) Instrument QC Batch: MA52562
- (3) Instrument QC Batch: MA52566
- (4) Prep QC Batch: MP33381
- (5) Prep QC Batch: MP33468

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

4.4  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-17 (12-12.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-4	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 78.2
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.32	0.32	mg/kg	1	06/13/22 09:48	MM	SW846 9012B/LACHAT
Solids, Percent	78.2		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.4  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (3-3.5)		
<b>Lab Sample ID:</b> JD46262-5		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 92.0
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	1C186538.D	1	06/14/22 14:50	BK	06/09/22 11:46	n/a	VIC8114

Run #1	Initial Weight
Run #2	6.0 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.1	3.7	ug/kg	
71-43-2	Benzene	0.93	0.45	0.41	ug/kg	
74-97-5	Bromochloromethane	ND	4.5	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.39	ug/kg	
75-25-2	Bromoform	ND	4.5	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.5	0.69	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.1	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	1.8	0.48	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.8	0.56	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.42	ug/kg	
75-00-3	Chloroethane	ND	4.5	0.54	ug/kg	
67-66-3	Chloroform	ND	1.8	0.47	ug/kg	
74-87-3	Chloromethane	ND	4.5	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.60	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.63	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.91	0.38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.91	0.49	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.91	0.45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.91	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.5	0.66	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.91	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.91	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.91	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.91	0.76	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.91	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.43	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.41	ug/kg	
100-41-4	Ethylbenzene	ND	0.91	0.41	ug/kg	
76-13-1	Freon 113	ND	4.5	2.4	ug/kg	
591-78-6	2-Hexanone	ND	4.5	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (3-3.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-5		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 92.0
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> 1 Water Street, White Plains, NY		

**VOA TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.8	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.5	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.8	0.79	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.91	0.42	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.5	2.1	ug/kg	
75-09-2	Methylene chloride	ND	4.5	2.4	ug/kg	
100-42-5	Styrene	ND	1.8	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.54	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.53	ug/kg	
108-88-3	Toluene	0.75	0.91	0.48	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	4.5	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.44	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.50	ug/kg	
79-01-6	Trichloroethene	ND	0.91	0.69	ug/kg	
75-69-4	Trichlorofluoromethane	0.87	4.5	0.62	ug/kg	J
75-01-4	Vinyl chloride	ND	1.8	0.44	ug/kg	
	m,p-Xylene	ND	0.91	0.81	ug/kg	
95-47-6	o-Xylene	ND	0.91	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	0.91	0.41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	99%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.5  
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## Report of Analysis

<b>Client Sample ID:</b> SB-18 (3-3.5)		
<b>Lab Sample ID:</b> JD46262-5		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546		<b>Percent Solids:</b> 92.0
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157923.D	1	06/15/22 12:04	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	70	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	70	22	ug/kg	
	3&4-Methylphenol	ND	70	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	94	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	70	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	29.9	35	12	ug/kg	J
208-96-8	Acenaphthylene	26.4	35	18	ug/kg	J
98-86-2	Acetophenone	ND	180	7.6	ug/kg	
120-12-7	Anthracene	83.4	35	22	ug/kg	
1912-24-9	Atrazine	ND	70	15	ug/kg	
56-55-3	Benzo(a)anthracene	252	35	10	ug/kg	
50-32-8	Benzo(a)pyrene	230	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	278	35	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	162	35	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	101	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	8.6	ug/kg	
92-52-4	1,1'-Biphenyl	4.9	70	4.8	ug/kg	J
100-52-7	Benzaldehyde	ND	180	8.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	8.4	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	31.9	70	5.1	ug/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-18 (3-3.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-5	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	92.0
<b>Method:</b>	SW846 8270E SW846 3546		
<b>Project:</b>	1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	70	14	ug/kg	
218-01-9	Chrysene	248	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	7.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	70	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	70	29	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	44.5	35	16	ug/kg	
132-64-9	Dibenzofuran	15.6	70	14	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	70	5.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	8.8	ug/kg	
84-66-2	Diethyl phthalate	ND	70	7.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	6.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	11.0	70	8.2	ug/kg	J
206-44-0	Fluoranthene	442	35	16	ug/kg	
86-73-7	Fluorene	23.3	35	16	ug/kg	J
118-74-1	Hexachlorobenzene	ND	70	8.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	17	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	177	35	16	ug/kg	
78-59-1	Isophorone	ND	70	7.5	ug/kg	
91-57-6	2-Methylnaphthalene	9.7	35	7.9	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	8.3	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.8	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.1	ug/kg	
91-20-3	Naphthalene	18.7	35	9.9	ug/kg	J
98-95-3	Nitrobenzene	ND	70	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	336	35	12	ug/kg	
129-00-0	Pyrene	495	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	8.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (3-3.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-5		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 92.0
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	37%		10-96%
118-79-6	2,4,6-Tribromophenol	48%		10-123%
4165-60-0	Nitrobenzene-d5	39%		10-109%
321-60-8	2-Fluorobiphenyl	46%		11-109%
1718-51-0	Terphenyl-d14	47%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.26	180	ug/kg	J
	unknown	9.16	160	ug/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	10.46	880	ug/kg	JN
	unknown PAH substance	14.06	240	ug/kg	J
	Total TIC, Semi-Volatile		1280	ug/kg	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

4.5  
4

# Report of Analysis

<b>Client Sample ID:</b> SB-18 (3-3.5)	
<b>Lab Sample ID:</b> JD46262-5	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 92.0
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177244.D	1	06/16/22 02:34	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.67	0.55	ug/kg	
319-84-6	alpha-BHC	ND	0.67	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.67	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.67	0.64	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	0.49	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.67	0.54	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.67	0.30	ug/kg	
60-57-1	Dieldrin	ND	0.67	0.46	ug/kg	
72-54-8	4,4'-DDD	0.91	0.67	0.61	ug/kg	
72-55-9	4,4'-DDE <sup>b</sup>	0.73	0.67	0.58	ug/kg	
50-29-3	4,4'-DDT	6.0	0.67	0.59	ug/kg	B
72-20-8	Endrin	ND	0.67	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.67	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.67	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	0.67	0.48	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	51%		14-145%
877-09-8	Tetrachloro-m-xylene	53%		14-145%
2051-24-3	Decachlorobiphenyl	29%		10-197%
2051-24-3	Decachlorobiphenyl	64%		10-197%

(a) Detections could be due to lab contamination.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-18 (3-3.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-5		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 92.0
<b>Method:</b> SW846 8082A SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11771.D	1	06/19/22 23:09	TL	06/14/22 19:20	OP40224	GRK303
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	16	ug/kg	
11104-28-2	Aroclor 1221	ND	33	21	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	30	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		10-163%
877-09-8	Tetrachloro-m-xylene	73%		10-163%
2051-24-3	Decachlorobiphenyl	63%		10-215%
2051-24-3	Decachlorobiphenyl	66%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.5  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (3-3.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-5		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 92.0
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8740	53	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.1	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	2.8	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	78.5	21	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.37	0.21	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.53	0.53	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	18200	530	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	16.1	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	6.0	5.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	21.1	2.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	14100	53	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	54.9	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	5030	530	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	226	1.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.059	0.036	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	11.8	4.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1800	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.1	2.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.53	0.53	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	24.7	5.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	69.1	5.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

4.5  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (3-3.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-5	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 92.0
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.29	0.25	mg/kg	1	06/13/22 09:50	MM	SW846 9012B/LACHAT
Solids, Percent	92		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (10-10.5)		
<b>Lab Sample ID:</b> JD46262-6		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 88.8
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	1C186539.D	1	06/14/22 15:17	BK	06/09/22 11:46	n/a	VIC8114

Run #1	Initial Weight
Run #2	4.4 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	5.3	ug/kg	
71-43-2	Benzene	ND	0.64	0.58	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	0.72	ug/kg	
75-27-4	Bromodichloromethane	ND	2.6	0.55	ug/kg	
75-25-2	Bromoform	ND	6.4	1.7	ug/kg	
74-83-9	Bromomethane	ND	6.4	0.98	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	2.6	0.68	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.6	0.79	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	0.59	ug/kg	
75-00-3	Chloroethane	ND	6.4	0.76	ug/kg	
67-66-3	Chloroform	ND	2.6	0.66	ug/kg	
74-87-3	Chloromethane	ND	6.4	2.5	ug/kg	
110-82-7	Cyclohexane	ND	2.6	0.84	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.6	0.89	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	0.72	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.54	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.3	0.70	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.3	0.63	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.3	0.63	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	0.93	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.63	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.60	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.84	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.78	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	0.61	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	0.61	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	0.58	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.58	ug/kg	
76-13-1	Freon 113	ND	6.4	3.4	ug/kg	
591-78-6	2-Hexanone	ND	6.4	2.7	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-18 (10-10.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-6	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	88.8
<b>Method:</b>	SW846 8260D SW846 5035		
<b>Project:</b>	1 Water Street, White Plains, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.6	1.8	ug/kg	
79-20-9	Methyl Acetate	ND	6.4	1.8	ug/kg	
108-87-2	Methylcyclohexane	ND	2.6	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.60	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.4	2.9	ug/kg	
75-09-2	Methylene chloride	ND	6.4	3.3	ug/kg	
100-42-5	Styrene	ND	2.6	0.51	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	0.77	ug/kg	
127-18-4	Tetrachloroethene	ND	2.6	0.74	ug/kg	
108-88-3	Toluene	ND	1.3	0.67	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	3.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	3.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.6	0.62	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.6	0.71	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.98	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	0.88	ug/kg	
75-01-4	Vinyl chloride	ND	2.6	0.62	ug/kg	
	m,p-Xylene	ND	1.3	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.59	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-124%
17060-07-0	1,2-Dichloroethane-D4	99%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	98%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (10-10.5)		
<b>Lab Sample ID:</b> JD46262-6		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546		<b>Percent Solids:</b> 88.8
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157915.D	1	06/15/22 08:57	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	ND	37	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	ND	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	73	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-18 (10-10.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-6	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	88.8
<b>Method:</b>	SW846 8270E SW846 3546		
<b>Project:</b>	1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	73	14	ug/kg	
218-01-9	Chrysene	ND	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.8	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	8.6	ug/kg	
206-44-0	Fluoranthene	ND	37	16	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.8	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	37	12	ug/kg	
129-00-0	Pyrene	ND	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (10-10.5) <b>Lab Sample ID:</b> JD46262-6 <b>Matrix:</b> SO - Soil <b>Method:</b> SW846 8270E SW846 3546 <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/08/22 <b>Date Received:</b> 06/08/22 <b>Percent Solids:</b> 88.8
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**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	33%		10-96%
118-79-6	2,4,6-Tribromophenol	39%		10-123%
4165-60-0	Nitrobenzene-d5	34%		10-109%
321-60-8	2-Fluorobiphenyl	35%		11-109%
1718-51-0	Terphenyl-d14	39%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.06	270	ug/kg	J
	system artifact	3.26	240	ug/kg	J
	system artifact	3.44	150	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

4.6  
4



# Report of Analysis

<b>Client Sample ID:</b> SB-18 (10-10.5)	
<b>Lab Sample ID:</b> JD46262-6	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 88.8
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177245.D	1	06/16/22 02:52	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	16.9 g	10.0 ml
Run #2		

### Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.67	0.55	ug/kg	
319-84-6	alpha-BHC	ND	0.67	0.54	ug/kg	
319-85-7	beta-BHC	ND	0.67	0.60	ug/kg	
319-86-8	delta-BHC	ND	0.67	0.64	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.67	0.49	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.67	0.54	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.67	0.30	ug/kg	
60-57-1	Dieldrin	ND	0.67	0.46	ug/kg	
72-54-8	4,4'-DDD	2.0	0.67	0.61	ug/kg	
72-55-9	4,4'-DDE	ND	0.67	0.58	ug/kg	
50-29-3	4,4'-DDT	12.8	0.67	0.59	ug/kg	B
72-20-8	Endrin	ND	0.67	0.52	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.67	0.52	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.67	0.38	ug/kg	
959-98-8	Endosulfan-I	ND	0.67	0.38	ug/kg	
33213-65-9	Endosulfan-II	ND	0.67	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.67	0.57	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.67	0.47	ug/kg	
72-43-5	Methoxychlor	ND	1.3	0.53	ug/kg	
53494-70-5	Endrin ketone	ND	0.67	0.48	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	47%		14-145%
877-09-8	Tetrachloro-m-xylene	50%		14-145%
2051-24-3	Decachlorobiphenyl	35%		10-197%
2051-24-3	Decachlorobiphenyl	50%		10-197%

(a) Detections could be due to lab contamination.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.6  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (10-10.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-6	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 88.8
<b>Method:</b> SW846 8082A SW846 3546	
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11776.D	1	06/20/22 00:32	TL	06/14/22 19:20	OP40224	GRK303
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.9 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	16	ug/kg	
11104-28-2	Aroclor 1221	ND	33	21	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	14	ug/kg	
12672-29-6	Aroclor 1248	ND	33	30	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	57%		10-163%
877-09-8	Tetrachloro-m-xylene	61%		10-163%
2051-24-3	Decachlorobiphenyl	65%		10-215%
2051-24-3	Decachlorobiphenyl	68%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.6  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (10-10.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-6		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 88.8
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8770	57	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.3	2.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	< 2.3	2.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	45.6	23	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.41	0.23	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.57	0.57	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	2130	570	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	15.8	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	6.6	5.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	15.1	2.9	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	14200	57	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	4.2	2.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	4440	570	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	285	1.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	< 0.032	0.032	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	13.0	4.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1610	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.3	2.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.57	0.57	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	20.7	5.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	62.0	5.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

4.6  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-18 (10-10.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-6	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 88.8
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.31	0.29	mg/kg	1	06/13/22 09:51	MM	SW846 9012B/LACHAT
Solids, Percent	88.8		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (3.5-4)		
<b>Lab Sample ID:</b> JD46262-7		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 90.3
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	1C186540.D	1	06/14/22 15:44	BK	06/09/22 11:46	n/a	VIC8114

Run #1	Initial Weight
Run #2	5.4 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.2	ug/kg	
71-43-2	Benzene	ND	0.51	0.47	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.44	ug/kg	
75-25-2	Bromoform	ND	5.1	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.1	0.78	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.1	0.55	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.47	ug/kg	
75-00-3	Chloroethane	ND	5.1	0.61	ug/kg	
67-66-3	Chloroform	ND	2.1	0.53	ug/kg	
74-87-3	Chloromethane	ND	5.1	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.67	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.71	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.57	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.56	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.51	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	0.75	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.86	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.49	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.46	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.1	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-19 (3.5-4)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-7	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	90.3
<b>Method:</b>	SW846 8260D SW846 5035		
<b>Project:</b>	1 Water Street, White Plains, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.1	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.90	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.1	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.1	2.7	ug/kg	
100-42-5	Styrene	ND	2.1	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.61	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.59	ug/kg	
108-88-3	Toluene	ND	1.0	0.54	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.57	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	0.70	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.49	ug/kg	
	m,p-Xylene	ND	1.0	0.92	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	98%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (3.5-4)		
<b>Lab Sample ID:</b> JD46262-7		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546		<b>Percent Solids:</b> 90.3
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157921.D	1	06/15/22 11:17	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	25.3	37	13	ug/kg	J
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	71.0	37	22	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	238	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	207	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	234	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	141	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	95.1	37	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	8.9	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	20.6	73	5.3	ug/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound





## Report of Analysis

<b>Client Sample ID:</b> SB-19 (3.5-4) <b>Lab Sample ID:</b> JD46262-7 <b>Matrix:</b> SO - Soil <b>Method:</b> SW846 8270E SW846 3546 <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/08/22 <b>Date Received:</b> 06/08/22 <b>Percent Solids:</b> 90.3
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**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	29%		10-96%
118-79-6	2,4,6-Tribromophenol	40%		10-123%
4165-60-0	Nitrobenzene-d5	33%		10-109%
321-60-8	2-Fluorobiphenyl	35%		11-109%
1718-51-0	Terphenyl-d14	37%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	3.26	210	ug/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	10.45	420	ug/kg	JN
	unknown PAH substance	14.06	180	ug/kg	J
	Total TIC, Semi-Volatile		810	ug/kg	J

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.7  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (3.5-4)	
<b>Lab Sample ID:</b> JD46262-7	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 90.3
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177246.D	1	06/16/22 03:10	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.73	0.60	ug/kg	
319-84-6	alpha-BHC	ND	0.73	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.73	0.66	ug/kg	
319-86-8	delta-BHC	ND	0.73	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.73	0.54	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.73	0.59	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.73	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.73	0.50	ug/kg	
72-54-8	4,4'-DDD	ND	0.73	0.67	ug/kg	
72-55-9	4,4'-DDE <sup>b</sup>	0.90	0.73	0.64	ug/kg	
50-29-3	4,4'-DDT	8.0	0.73	0.65	ug/kg	B
72-20-8	Endrin	ND	0.73	0.57	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.73	0.57	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.73	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.73	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.73	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.73	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.73	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	0.73	0.53	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	43%		14-145%
877-09-8	Tetrachloro-m-xylene	46%		14-145%
2051-24-3	Decachlorobiphenyl	27%		10-197%
2051-24-3	Decachlorobiphenyl	50%		10-197%

(a) Detections could be due to lab contamination.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (3.5-4)	
<b>Lab Sample ID:</b> JD46262-7	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8082A SW846 3546	<b>Percent Solids:</b> 90.3
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11777.D	1	06/20/22 00:48	TL	06/14/22 19:20	OP40224	GRK303
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	23	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	20	ug/kg	
11096-82-5	Aroclor 1260	ND	36	16	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	43%		10-163%
877-09-8	Tetrachloro-m-xylene	43%		10-163%
2051-24-3	Decachlorobiphenyl	36%		10-215%
2051-24-3	Decachlorobiphenyl	44%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.7  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (3.5-4)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-7		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 90.3
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8530	55	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	82.8	22	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.37	0.22	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.55	0.55	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	8350	550	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	17.3	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	6.4	5.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	18.6	2.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	14300	55	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	38.9	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	4410	550	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	299	1.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.095	0.034	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	12.1	4.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1770	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.55	0.55	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	22.8	5.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	59.0	5.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

4.7  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (3.5-4)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-7	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 90.3
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.31	0.28	mg/kg	1	06/13/22 09:52	MM	SW846 9012B/LACHAT
Solids, Percent	90.3		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.7  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (11-11.5)	
<b>Lab Sample ID:</b> JD46262-8	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035	<b>Percent Solids:</b> 84.3
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C176320.D	1	06/14/22 12:28	BK	06/09/22 11:46	n/a	V3C7744
Run #2							

Run #	Initial Weight
Run #1	5.5 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	34.0	11	4.5	ug/kg	
71-43-2	Benzene	ND	0.54	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.46	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	5.4	1.5	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	5.4	0.82	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	0.58	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.49	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	5.4	0.64	ug/kg	
67-66-3	Chloroform	ND	2.2	0.56	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	5.4	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.71	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.75	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.60	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.45	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.59	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.53	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.53	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	5.4	0.78	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.53	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.51	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.91	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.49	ug/kg	
76-13-1	Freon 113	ND	5.4	2.9	ug/kg	
591-78-6	2-Hexanone	ND	5.4	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-19 (11-11.5)	
<b>Lab Sample ID:</b> JD46262-8	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546	<b>Percent Solids:</b> 84.3
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157916.D	1	06/15/22 09:20	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	78	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	42	ug/kg	
95-48-7	2-Methylphenol	ND	78	25	ug/kg	
	3&4-Methylphenol	ND	78	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol	ND	78	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	39	13	ug/kg	
208-96-8	Acenaphthylene	ND	39	20	ug/kg	
98-86-2	Acetophenone	ND	190	8.4	ug/kg	
120-12-7	Anthracene	ND	39	24	ug/kg	
1912-24-9	Atrazine	ND	78	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	39	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	9.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	78	5.3	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	9.3	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	78	5.6	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





## Report of Analysis

<b>Client Sample ID:</b> SB-19 (11-11.5) <b>Lab Sample ID:</b> JD46262-8 <b>Matrix:</b> SO - Soil <b>Method:</b> SW846 8270E SW846 3546 <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/08/22 <b>Date Received:</b> 06/08/22 <b>Percent Solids:</b> 84.3
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**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	41%		10-96%
118-79-6	2,4,6-Tribromophenol	51%		10-123%
4165-60-0	Nitrobenzene-d5	42%		10-109%
321-60-8	2-Fluorobiphenyl	45%		11-109%
1718-51-0	Terphenyl-d14	53%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.06	260	ug/kg	J
	system artifact	3.26	250	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

4.8  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (11-11.5)	
<b>Lab Sample ID:</b> JD46262-8	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 84.3
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177247.D	1	06/16/22 03:28	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.73	0.60	ug/kg	
319-84-6	alpha-BHC	ND	0.73	0.60	ug/kg	
319-85-7	beta-BHC	ND	0.73	0.66	ug/kg	
319-86-8	delta-BHC	ND	0.73	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.73	0.54	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.73	0.59	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.73	0.33	ug/kg	
60-57-1	Dieldrin	ND	0.73	0.50	ug/kg	
72-54-8	4,4'-DDD	ND	0.73	0.67	ug/kg	
72-55-9	4,4'-DDE	ND	0.73	0.64	ug/kg	
50-29-3	4,4'-DDT	5.1	0.73	0.65	ug/kg	B
72-20-8	Endrin	ND	0.73	0.57	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.73	0.57	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.73	0.42	ug/kg	
959-98-8	Endosulfan-I	ND	0.73	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.73	0.46	ug/kg	
76-44-8	Heptachlor	ND	0.73	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.73	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	0.73	0.53	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	37%		14-145%
877-09-8	Tetrachloro-m-xylene	38%		14-145%
2051-24-3	Decachlorobiphenyl	23%		10-197%
2051-24-3	Decachlorobiphenyl	30%		10-197%

(a) Detections could be due to lab contamination.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (11-11.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-8	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 84.3
<b>Method:</b> SW846 8082A SW846 3546	
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11778.D	1	06/20/22 01:05	TL	06/14/22 19:20	OP40224	GRK303
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	17	ug/kg	
11104-28-2	Aroclor 1221	ND	37	23	ug/kg	
11141-16-5	Aroclor 1232	ND	37	23	ug/kg	
53469-21-9	Aroclor 1242	ND	37	15	ug/kg	
12672-29-6	Aroclor 1248	ND	37	33	ug/kg	
11097-69-1	Aroclor 1254	ND	37	20	ug/kg	
11096-82-5	Aroclor 1260	ND	37	16	ug/kg	
11100-14-4	Aroclor 1268	ND	37	15	ug/kg	
37324-23-5	Aroclor 1262	ND	37	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	47%		10-163%
877-09-8	Tetrachloro-m-xylene	50%		10-163%
2051-24-3	Decachlorobiphenyl	38%		10-215%
2051-24-3	Decachlorobiphenyl	40%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.8  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (11-11.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-8		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 84.3
<b>Project:</b> 1 Water Street, White Plains, NY		

**Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	14600	57	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Antimony <sup>a</sup>	< 4.6	4.6	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Arsenic <sup>a</sup>	< 4.6	4.6	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Barium	68.0	23	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Beryllium <sup>a</sup>	0.73	0.46	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Cadmium	< 0.57	0.57	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Calcium	1470	570	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Chromium	26.5	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Cobalt <sup>a</sup>	11.7	11	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Copper <sup>a</sup>	22.0	5.7	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Iron	22100	110	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Lead <sup>a</sup>	7.9	4.6	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Magnesium	5820	570	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Manganese	472	1.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Mercury	0.041	0.035	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>3</sup>	SW846 7471B <sup>5</sup>
Nickel	21.7	4.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Potassium	3130	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Selenium <sup>a</sup>	< 4.6	4.6	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Silver <sup>a</sup>	< 1.1	1.1	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Sodium	< 1100	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Thallium <sup>a</sup>	< 2.3	2.3	mg/kg	2	06/10/22	06/13/22	ND SW846 6010D <sup>2</sup>	SW846 3050B <sup>4</sup>
Vanadium	32.6	5.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>
Zinc	60.4	5.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>4</sup>

- (1) Instrument QC Batch: MA52552
- (2) Instrument QC Batch: MA52562
- (3) Instrument QC Batch: MA52566
- (4) Prep QC Batch: MP33381
- (5) Prep QC Batch: MP33468

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> SB-19 (11-11.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-8	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 84.3
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.31	0.26	mg/kg	1	06/13/22 09:53	MM	SW846 9012B/LACHAT
Solids, Percent	84.3		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.8  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-20 (4-4.5)		
<b>Lab Sample ID:</b> JD46262-9		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 92.3
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C176321.D	1	06/14/22 12:54	BK	06/09/22 11:46	n/a	V3C7744
Run #2							

Run #1	Initial Weight
Run #1	5.9 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.0	9.2	3.8	ug/kg	J
71-43-2	Benzene	ND	0.46	0.42	ug/kg	
74-97-5	Bromochloromethane	ND	4.6	0.51	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.39	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	4.6	1.2	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	4.6	0.70	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.2	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	1.8	0.49	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.8	0.57	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.42	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	4.6	0.54	ug/kg	
67-66-3	Chloroform	ND	1.8	0.48	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	4.6	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.60	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.64	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.51	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.92	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.92	0.50	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.92	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.92	0.45	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	4.6	0.67	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.92	0.45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.92	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.92	0.60	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.92	0.77	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.92	0.56	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.42	ug/kg	
100-41-4	Ethylbenzene	ND	0.92	0.42	ug/kg	
76-13-1	Freon 113	ND	4.6	2.5	ug/kg	
591-78-6	2-Hexanone	ND	4.6	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound





## Report of Analysis

<b>Client Sample ID:</b> SB-20 (4-4.5)		
<b>Lab Sample ID:</b> JD46262-9		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546		<b>Percent Solids:</b> 92.3
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157922.D	1	06/15/22 11:41	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	96	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	83.3	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	224	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	670	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	523	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	601	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	332	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	207	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	6.2	72	4.9	ug/kg	J
100-52-7	Benzaldehyde	ND	180	8.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	58.1	72	5.2	ug/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-20 (4-4.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-9	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	92.3
<b>Method:</b>	SW846 8270E SW846 3546		
<b>Project:</b>	1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	658	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	94.7	36	16	ug/kg	
132-64-9	Dibenzofuran	39.0	72	15	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	72	5.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	9.0	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.7	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	29.8	72	8.4	ug/kg	J
206-44-0	Fluoranthene	1150	36	16	ug/kg	
86-73-7	Fluorene	70.5	36	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	357	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	29.0	36	8.1	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.3	ug/kg	
91-20-3	Naphthalene	36.4	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	1070	36	12	ug/kg	
129-00-0	Pyrene	1420	36	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-20 (4-4.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-9	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	92.3
<b>Method:</b>	SW846 8270E SW846 3546		
<b>Project:</b>	1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	34%		10-96%
118-79-6	2,4,6-Tribromophenol	42%		10-123%
4165-60-0	Nitrobenzene-d5	37%		10-109%
321-60-8	2-Fluorobiphenyl	38%		11-109%
1718-51-0	Terphenyl-d14	39%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	3.26	210	ug/kg	J
	Phenanthrene methyl	9.02	290	ug/kg	J
	Phenanthrene methyl	9.05	330	ug/kg	J
	unknown	9.16	400	ug/kg	J
	Anthracene methyl	9.19	240	ug/kg	J
	unknown	9.44	330	ug/kg	J
	Phenanthrene dimethyl	9.78	200	ug/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	10.45	360	ug/kg	JN
	Pyrene methyl	10.82	260	ug/kg	J
	Pyrene methyl	10.96	150	ug/kg	J
	unknown	11.80	150	ug/kg	J
	Chrysene methyl	12.76	150	ug/kg	J
	unknown PAH substance	14.06	380	ug/kg	J
	unknown	15.41	150	ug/kg	J
	Total TIC, Semi-Volatile		3600	ug/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> SB-20 (4-4.5)	
<b>Lab Sample ID:</b> JD46262-9	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 92.3
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177248.D	1	06/16/22 03:47	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.68	0.56	ug/kg	
319-84-6	alpha-BHC	ND	0.68	0.55	ug/kg	
319-85-7	beta-BHC	ND	0.68	0.62	ug/kg	
319-86-8	delta-BHC	ND	0.68	0.65	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.68	0.50	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.68	0.55	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.68	0.31	ug/kg	
60-57-1	Dieldrin	ND	0.68	0.47	ug/kg	
72-54-8	4,4'-DDD <sup>b</sup>	1.5	0.68	0.63	ug/kg	
72-55-9	4,4'-DDE <sup>b</sup>	1.1	0.68	0.60	ug/kg	
50-29-3	4,4'-DDT	8.8	0.68	0.60	ug/kg	B
72-20-8	Endrin	ND	0.68	0.53	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.68	0.53	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.68	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.68	0.39	ug/kg	
33213-65-9	Endosulfan-II	ND	0.68	0.43	ug/kg	
76-44-8	Heptachlor	ND	0.68	0.59	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.68	0.48	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.54	ug/kg	
53494-70-5	Endrin ketone	ND	0.68	0.49	ug/kg	
8001-35-2	Toxaphene	ND	17	16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	58%		14-145%
877-09-8	Tetrachloro-m-xylene	56%		14-145%
2051-24-3	Decachlorobiphenyl	48%		10-197%
2051-24-3	Decachlorobiphenyl	96%		10-197%

(a) Detections could be due to lab contamination.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.9  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-20 (4-4.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-9	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 92.3
<b>Method:</b> SW846 8082A SW846 3546	
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11779.D	1	06/20/22 01:21	TL	06/14/22 19:20	OP40224	GRK303
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	22	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	15	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	54%		10-163%
877-09-8	Tetrachloro-m-xylene	56%		10-163%
2051-24-3	Decachlorobiphenyl	58%		10-215%
2051-24-3	Decachlorobiphenyl	84%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
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 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.9  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-20 (4-4.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-9		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 92.3
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8440	54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	82.9	22	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.37	0.22	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.54	0.54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	5230	540	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	18.0	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	6.0	5.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	17.0	2.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	14800	54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	32.9	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	3520	540	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	239	1.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.040	0.028	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	13.1	4.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	2020	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.54	0.54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	24.5	5.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	44.3	5.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> SB-20 (4-4.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-9	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 92.3
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.34	0.31	mg/kg	1	06/13/22 09:54	MM	SW846 9012B/LACHAT
Solids, Percent	92.3		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.9  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-20 (10-10.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-10		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 89.5
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C176322.D	1	06/14/22 13:19	BK	06/09/22 11:46	n/a	V3C7744
Run #2							

Run #1	Initial Weight
Run #1	5.3 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	27.1	11	4.4	ug/kg	
71-43-2	Benzene	ND	0.53	0.48	ug/kg	
74-97-5	Bromochloromethane	ND	5.3	0.59	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.45	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	5.3	1.4	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	5.3	0.81	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	3.6	2.1	0.56	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.1	0.65	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.48	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	5.3	0.62	ug/kg	
67-66-3	Chloroform	ND	2.1	0.55	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	5.3	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.69	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.73	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.59	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.44	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.58	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.52	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.52	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	5.3	0.77	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.52	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.69	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.89	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.64	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.50	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.50	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.48	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.48	ug/kg	
76-13-1	Freon 113	ND	5.3	2.8	ug/kg	
591-78-6	2-Hexanone	ND	5.3	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





## Report of Analysis

<b>Client Sample ID:</b> SB-20 (10-10.5) <b>Lab Sample ID:</b> JD46262-10 <b>Matrix:</b> SO - Soil <b>Method:</b> SW846 8260D SW846 5035 <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/08/22 <b>Date Received:</b> 06/08/22 <b>Percent Solids:</b> 89.5
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**VOA TCL List**

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-Indene-dihydro-trimethyl-isomer	11.67	19	ug/kg	J
	alkane	11.73	29	ug/kg	J
	Naphthalene, methyl- isomer	11.86	23	ug/kg	J
	Naphthalene, methyl- isomer	12.00	31	ug/kg	J
	unknown	12.09	22	ug/kg	J
	Total TIC, Volatile		378	ug/kg	J

- (a) Associated CCV outside of control limits high, sample was ND.
- (b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- (c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

4.10  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-20 (10-10.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-10		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 89.5
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157919.D	1	06/15/22 10:30	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	97	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.8	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	45.7	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	43.7	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	53.2	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	39.7	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	21.5	36	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.0	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.6	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	72	5.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-20 (10-10.5) <b>Lab Sample ID:</b> JD46262-10 <b>Matrix:</b> SO - Soil <b>Method:</b> SW846 8270E SW846 3546 <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/08/22 <b>Date Received:</b> 06/08/22 <b>Percent Solids:</b> 89.5
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**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	40%		10-96%
118-79-6	2,4,6-Tribromophenol	49%		10-123%
4165-60-0	Nitrobenzene-d5	43%		10-109%
321-60-8	2-Fluorobiphenyl	47%		11-109%
1718-51-0	Terphenyl-d14	51%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.26	250	ug/kg	J
	system artifact	3.44	160	ug/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	10.45	490	ug/kg	JN
	Total TIC, Semi-Volatile		490	ug/kg	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-20 (10-10.5)	
<b>Lab Sample ID:</b> JD46262-10	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 89.5
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177249.D	1	06/16/22 04:05	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.73	0.60	ug/kg	
319-84-6	alpha-BHC	ND	0.73	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.73	0.66	ug/kg	
319-86-8	delta-BHC	ND	0.73	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.73	0.53	ug/kg	
5103-71-9	alpha-Chlordane	1.0	0.73	0.59	ug/kg	
5103-74-2	gamma-Chlordane	0.67	0.73	0.33	ug/kg	J
60-57-1	Dieldrin	ND	0.73	0.50	ug/kg	
72-54-8	4,4'-DDD <sup>b</sup>	1.1	0.73	0.67	ug/kg	
72-55-9	4,4'-DDE	ND	0.73	0.64	ug/kg	
50-29-3	4,4'-DDT	9.2	0.73	0.64	ug/kg	B
72-20-8	Endrin	ND	0.73	0.56	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.73	0.57	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.73	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.73	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.73	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.73	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.73	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	0.73	0.52	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		14-145%
877-09-8	Tetrachloro-m-xylene	76%		14-145%
2051-24-3	Decachlorobiphenyl	44%		10-197%
2051-24-3	Decachlorobiphenyl	74%		10-197%

(a) Detections could be due to lab contamination.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-20 (10-10.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-10		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 89.5
<b>Method:</b> SW846 8082A SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11780.D	1	06/20/22 01:37	TL	06/14/22 19:20	OP40224	GRK303
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

**PCB List**

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	20	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		10-163%
877-09-8	Tetrachloro-m-xylene	101%		10-163%
2051-24-3	Decachlorobiphenyl	74%		10-215%
2051-24-3	Decachlorobiphenyl	90%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.10  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-20 (10-10.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-10		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 89.5
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	9420	55	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	64.1	22	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.39	0.22	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.55	0.55	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	3450	550	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	18.3	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	6.7	5.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	19.7	2.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	14800	55	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	19.8	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	3930	550	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	226	1.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.064	0.032	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	13.2	4.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1660	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.55	0.55	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	23.9	5.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	38.8	5.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b> SB-20 (10-10.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-10	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 89.5
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	06/13/22 09:55	MM	SW846 9012B/LACHAT
Solids, Percent	89.5		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.10  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-21 (3.5-4)	
<b>Lab Sample ID:</b> JD46262-11	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035	<b>Percent Solids:</b> 91.4
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C176323.D	1	06/14/22 13:45	BK	06/09/22 11:46	n/a	V3C7744
Run #2							

Run #	Initial Weight
Run #1	5.7 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.6	4.0	ug/kg	
71-43-2	Benzene	ND	0.48	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	0.54	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.41	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	4.8	1.3	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	4.8	0.73	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.6	2.3	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.51	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.59	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.44	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	4.8	0.57	ug/kg	
67-66-3	Chloroform	ND	1.9	0.50	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	4.8	1.9	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.63	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.67	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.54	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.96	0.40	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.96	0.52	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.96	0.48	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.96	0.47	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	4.8	0.70	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.96	0.48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.96	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.96	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.96	0.81	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.96	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.45	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	0.96	0.43	ug/kg	
76-13-1	Freon 113	ND	4.8	2.6	ug/kg	
591-78-6	2-Hexanone	ND	4.8	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-21 (3.5-4)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-11	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	91.4
<b>Method:</b>	SW846 8260D SW846 5035		
<b>Project:</b>	1 Water Street, White Plains, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	4.8	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.84	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.96	0.45	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.8	2.2	ug/kg	
75-09-2	Methylene chloride	ND	4.8	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.57	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.56	ug/kg	
108-88-3	Toluene	ND	0.96	0.50	ug/kg	
87-61-6	1,2,3-Trichlorobenzene <sup>c</sup>	ND	4.8	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.46	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.53	ug/kg	
79-01-6	Trichloroethene	ND	0.96	0.73	ug/kg	
75-69-4	Trichlorofluoromethane	1.4	4.8	0.66	ug/kg	J
75-01-4	Vinyl chloride	ND	1.9	0.46	ug/kg	
	m,p-Xylene	ND	0.96	0.86	ug/kg	
95-47-6	o-Xylene	ND	0.96	0.44	ug/kg	
1330-20-7	Xylene (total)	ND	0.96	0.44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-124%
17060-07-0	1,2-Dichloroethane-D4	109%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	94%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
1717-00-6	1,1-Dichloro-1-fluoroethane	1.94	7.7	ug/kg	JN
	system artifact	9.83	10	ug/kg	J
	Total TIC, Volatile		7.7	ug/kg	J

- (a) Associated CCV outside of control limits high, sample was ND.  
 (b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.  
 (c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-21 (3.5-4)		
<b>Lab Sample ID:</b> JD46262-11		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546		<b>Percent Solids:</b> 91.4
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157920.D	1	06/15/22 10:54	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	72	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	72	23	ug/kg	
	3&4-Methylphenol	ND	72	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	96	ug/kg	
87-86-5	Pentachlorophenol	ND	140	34	ug/kg	
108-95-2	Phenol	ND	72	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	40.1	36	22	ug/kg	
1912-24-9	Atrazine	ND	72	15	ug/kg	
56-55-3	Benzo(a)anthracene	148	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	139	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	144	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	103	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	61.4	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	8.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	4.9	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	8.0	72	5.2	ug/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> SB-21 (3.5-4)	
<b>Lab Sample ID:</b> JD46262-11	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546	<b>Percent Solids:</b> 91.4
<b>Project:</b> 1 Water Street, White Plains, NY	

**ABN TCL List (SOM0 2.0)**

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	14	ug/kg	
218-01-9	Chrysene	143	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	7.7	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	72	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	72	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	21.9	36	16	ug/kg	J
132-64-9	Dibenzofuran	ND	72	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	72	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	6.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	9.0	72	8.4	ug/kg	J
206-44-0	Fluoranthene	215	36	16	ug/kg	
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	9.1	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	109	36	17	ug/kg	
78-59-1	Isophorone	ND	72	7.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.1	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.5	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.0	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.3	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	72	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	137	36	12	ug/kg	
129-00-0	Pyrene	301	36	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-99%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.11  
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## Report of Analysis

<b>Client Sample ID:</b> SB-21 (3.5-4)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-11		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 91.4
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	41%		10-96%
118-79-6	2,4,6-Tribromophenol	50%		10-123%
4165-60-0	Nitrobenzene-d5	42%		10-109%
321-60-8	2-Fluorobiphenyl	46%		11-109%
1718-51-0	Terphenyl-d14	51%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.26	240	ug/kg	J
	system artifact/aldol-condensation	3.30	190	ug/kg	J
	system artifact	3.44	150	ug/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	10.45	450	ug/kg	JN
	Total TIC, Semi-Volatile		450	ug/kg	J

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

4.11  
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## Report of Analysis

<b>Client Sample ID:</b> SB-21 (3.5-4)	
<b>Lab Sample ID:</b> JD46262-11	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 91.4
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177250.D	1	06/16/22 04:23	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.71	0.59	ug/kg	
319-84-6	alpha-BHC	ND	0.71	0.58	ug/kg	
319-85-7	beta-BHC	ND	0.71	0.64	ug/kg	
319-86-8	delta-BHC	ND	0.71	0.68	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.71	0.52	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.71	0.57	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.71	0.32	ug/kg	
60-57-1	Dieldrin	0.77	0.71	0.49	ug/kg	
72-54-8	4,4'-DDD <sup>b</sup>	1.2	0.71	0.65	ug/kg	
72-55-9	4,4'-DDE	0.86	0.71	0.62	ug/kg	
50-29-3	4,4'-DDT	11.7	0.71	0.63	ug/kg	B
72-20-8	Endrin	ND	0.71	0.55	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.71	0.55	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.71	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.71	0.41	ug/kg	
33213-65-9	Endosulfan-II	ND	0.71	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.71	0.61	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.71	0.50	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.56	ug/kg	
53494-70-5	Endrin ketone	ND	0.71	0.51	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		14-145%
877-09-8	Tetrachloro-m-xylene	75%		14-145%
2051-24-3	Decachlorobiphenyl	50%		10-197%
2051-24-3	Decachlorobiphenyl	80%		10-197%

(a) Detections could be due to lab contamination.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-21 (3.5-4)	
<b>Lab Sample ID:</b> JD46262-11	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8082A SW846 3546	<b>Percent Solids:</b> 91.4
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11781.D	1	06/20/22 01:54	TL	06/14/22 19:20	OP40224	GRK303
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		10-163%
877-09-8	Tetrachloro-m-xylene	83%		10-163%
2051-24-3	Decachlorobiphenyl	68%		10-215%
2051-24-3	Decachlorobiphenyl	78%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.11  
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## Report of Analysis

<b>Client Sample ID:</b> SB-21 (3.5-4)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-11		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 91.4
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	10400	54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	64.4	22	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.44	0.22	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.54	0.54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	2890	540	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	17.7	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	6.0	5.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	18.5	2.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	15000	54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	13.5	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	3440	540	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	199	1.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	< 0.035	0.035	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	12.9	4.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1740	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.2	2.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.54	0.54	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	24.1	5.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	38.6	5.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

4.11  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-21 (3.5-4)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-11	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 91.4
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.29	0.29	mg/kg	1	06/13/22 09:58	MM	SW846 9012B/LACHAT
Solids, Percent	91.4		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.11  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-21 (13-13.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-12		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 79.9
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C176324.D	1	06/14/22 14:10	BK	06/09/22 11:46	n/a	V3C7744
Run #2							

Run #	Initial Weight
Run #1	5.4 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	116	12	4.8	ug/kg	
71-43-2	Benzene	ND	0.58	0.53	ug/kg	
74-97-5	Bromochloromethane	ND	5.8	0.65	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.50	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	5.8	1.6	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	5.8	0.89	ug/kg	
78-93-3	2-Butanone (MEK)	12.6	12	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	0.62	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.72	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.53	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	5.8	0.68	ug/kg	
67-66-3	Chloroform	ND	2.3	0.60	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	5.8	2.3	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.76	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.80	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.65	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.49	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.63	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.57	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.57	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	5.8	0.84	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.57	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.76	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.97	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.71	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.55	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.53	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.52	ug/kg	
76-13-1	Freon 113	ND	5.8	3.1	ug/kg	
591-78-6	2-Hexanone	ND	5.8	2.5	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-21 (13-13.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-12	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	79.9
<b>Method:</b>	SW846 8260D SW846 5035		
<b>Project:</b>	1 Water Street, White Plains, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	1.6	ug/kg	
79-20-9	Methyl Acetate	ND	5.8	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.54	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.8	2.6	ug/kg	
75-09-2	Methylene chloride	ND	5.8	3.0	ug/kg	
100-42-5	Styrene	ND	2.3	0.47	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.69	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.67	ug/kg	
108-88-3	Toluene	ND	1.2	0.61	ug/kg	
87-61-6	1,2,3-Trichlorobenzene <sup>c</sup>	ND	5.8	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.8	2.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.56	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.64	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.88	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.8	0.79	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.56	ug/kg	
	m,p-Xylene	ND	1.2	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.53	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.53	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-124%
17060-07-0	1,2-Dichloroethane-D4	108%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	96%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

- (a) Associated CCV outside of control limits high, sample was ND.  
 (b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.  
 (c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-21 (13-13.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-12		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 79.9
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157918.D	1	06/15/22 10:07	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	82	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	73	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	210	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	210	44	ug/kg	
95-48-7	2-Methylphenol	ND	82	26	ug/kg	
	3&4-Methylphenol	ND	82	34	ug/kg	
88-75-5	2-Nitrophenol	ND	210	27	ug/kg	
100-02-7	4-Nitrophenol	ND	410	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	39	ug/kg	
108-95-2	Phenol	ND	82	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	210	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	25	ug/kg	
83-32-9	Acenaphthene	ND	41	14	ug/kg	
208-96-8	Acenaphthylene	ND	41	21	ug/kg	
98-86-2	Acetophenone	ND	210	8.9	ug/kg	
120-12-7	Anthracene	28.5	41	25	ug/kg	J
1912-24-9	Atrazine	ND	82	18	ug/kg	
56-55-3	Benzo(a)anthracene	120	41	12	ug/kg	
50-32-8	Benzo(a)pyrene	112	41	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	139	41	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	80.0	41	21	ug/kg	
207-08-9	Benzo(k)fluoranthene	53.7	41	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	82	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	82	10	ug/kg	
92-52-4	1,1'-Biphenyl	ND	82	5.6	ug/kg	
100-52-7	Benzaldehyde	ND	210	10	ug/kg	
91-58-7	2-Chloronaphthalene	ND	82	9.8	ug/kg	
106-47-8	4-Chloroaniline	ND	210	15	ug/kg	
86-74-8	Carbazole	14.9	82	6.0	ug/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-21 (13-13.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-12		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 79.9
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%		10-96%
118-79-6	2,4,6-Tribromophenol	69%		10-123%
4165-60-0	Nitrobenzene-d5	59%		10-109%
321-60-8	2-Fluorobiphenyl	62%		11-109%
1718-51-0	Terphenyl-d14	69%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.26	310	ug/kg	J
	system artifact	3.44	190	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	10.05	440	ug/kg	JN
80-05-7	Phenol, 4,4'-(1-methylethylidene)b	10.45	230	ug/kg	JN
	Total TIC, Semi-Volatile		670	ug/kg	J

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.12  
4





## Report of Analysis

<b>Client Sample ID:</b> SB-21 (13-13.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-12	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 79.9
<b>Method:</b> SW846 8082A SW846 3546	
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	RK11803.D	1	06/20/22 12:18	CL	06/14/22 19:20	OP40224	GRK304
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	41	19	ug/kg	
11104-28-2	Aroclor 1221	ND	41	26	ug/kg	
11141-16-5	Aroclor 1232	ND	41	26	ug/kg	
53469-21-9	Aroclor 1242	ND	41	17	ug/kg	
12672-29-6	Aroclor 1248	ND	41	37	ug/kg	
11097-69-1	Aroclor 1254	ND	41	22	ug/kg	
11096-82-5	Aroclor 1260	ND	41	18	ug/kg	
11100-14-4	Aroclor 1268	ND	41	17	ug/kg	
37324-23-5	Aroclor 1262	ND	41	27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	43%		10-163%
877-09-8	Tetrachloro-m-xylene	45%		10-163%
2051-24-3	Decachlorobiphenyl	39%		10-215%
2051-24-3	Decachlorobiphenyl	49%		10-215%

(a) Had TBA cleanup.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.12  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-21 (13-13.5) <b>Lab Sample ID:</b> JD46262-12 <b>Matrix:</b> SO - Soil <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/08/22 <b>Date Received:</b> 06/08/22 <b>Percent Solids:</b> 79.9
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### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	18100	62	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.5	2.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	6.1	2.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	236	25	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.73	0.25	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.62	0.62	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	1870	620	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	27.4	1.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	9.1	6.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	37.6	3.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	23500	62	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	365	2.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	4850	620	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	297	1.9	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.21	0.035	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	20.2	5.0	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1970	1200	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.5	2.5	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.62	0.62	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1200	1200	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.2	1.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	35.9	6.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	234	6.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

4.12  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-21 (13-13.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-12	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 79.9
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.33	0.33	mg/kg	1	06/13/22 09:59	MM	SW846 9012B/LACHAT
Solids, Percent	79.9		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.12  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-22 (4-4.5)		
<b>Lab Sample ID:</b> JD46262-13		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 86.3
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C176326.D	1	06/14/22 15:33	BK	06/09/22 11:46	n/a	V3C7744
Run #2							

Run #	Initial Weight
Run #1	6.0 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	51.9	9.7	4.0	ug/kg	
71-43-2	Benzene	ND	0.48	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	4.8	0.54	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.41	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	4.8	1.3	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	4.8	0.74	ug/kg	
78-93-3	2-Butanone (MEK)	8.3	9.7	2.3	ug/kg	J
75-15-0	Carbon disulfide	ND	1.9	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.44	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	4.8	0.57	ug/kg	
67-66-3	Chloroform	ND	1.9	0.50	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	4.8	1.9	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.63	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.67	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.54	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.97	0.41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.97	0.53	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.97	0.48	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.97	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	4.8	0.70	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.97	0.48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.97	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.97	0.63	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.97	0.81	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.97	0.59	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	0.97	0.44	ug/kg	
76-13-1	Freon 113	ND	4.8	2.6	ug/kg	
591-78-6	2-Hexanone	ND	4.8	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-22 (4-4.5)		
<b>Lab Sample ID:</b> JD46262-13		<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546		<b>Percent Solids:</b> 86.3
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157924.D	1	06/15/22 12:28	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	77	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	68	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	41	ug/kg	
95-48-7	2-Methylphenol	ND	77	25	ug/kg	
	3&4-Methylphenol	ND	77	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	380	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	36	ug/kg	
108-95-2	Phenol	ND	77	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	25	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	38	13	ug/kg	
208-96-8	Acenaphthylene	55.9	38	19	ug/kg	
98-86-2	Acetophenone	ND	190	8.2	ug/kg	
120-12-7	Anthracene	66.6	38	24	ug/kg	
1912-24-9	Atrazine	ND	77	16	ug/kg	
56-55-3	Benzo(a)anthracene	250	38	11	ug/kg	
50-32-8	Benzo(a)pyrene	293	38	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	364	38	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	218	38	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	131	38	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	77	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	77	9.4	ug/kg	
92-52-4	1,1'-Biphenyl	8.1	77	5.3	ug/kg	J
100-52-7	Benzaldehyde	ND	190	9.5	ug/kg	
91-58-7	2-Chloronaphthalene	ND	77	9.1	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	23.3	77	5.6	ug/kg	J

ND = Not detected MDL = Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-22 (4-4.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-13		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 86.3
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	48%		10-96%
118-79-6	2,4,6-Tribromophenol	59%		10-123%
4165-60-0	Nitrobenzene-d5	53%		10-109%
321-60-8	2-Fluorobiphenyl	56%		11-109%
1718-51-0	Terphenyl-d14	52%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.26	250	ug/kg	J
	unknown	9.16	160	ug/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	10.46	870	ug/kg	JN
	unknown PAH substance	13.84	230	ug/kg	J
	unknown PAH substance	14.07	260	ug/kg	J
	alkane	15.00	160	ug/kg	J
	Total TIC, Semi-Volatile		1680	ug/kg	J

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.13  
4



## Report of Analysis

<b>Client Sample ID:</b> SB-22 (4-4.5)	
<b>Lab Sample ID:</b> JD46262-13	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 86.3
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177252.D	1	06/16/22 04:59	CP	06/14/22 19:20	OP40223	G1G6147
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.73	0.60	ug/kg	
319-84-6	alpha-BHC	ND	0.73	0.59	ug/kg	
319-85-7	beta-BHC	ND	0.73	0.66	ug/kg	
319-86-8	delta-BHC	ND	0.73	0.70	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.73	0.54	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.73	0.59	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.73	0.33	ug/kg	
60-57-1	Dieldrin	0.73	0.73	0.50	ug/kg	
72-54-8	4,4'-DDD	2.4	0.73	0.67	ug/kg	
72-55-9	4,4'-DDE	1.2	0.73	0.64	ug/kg	
50-29-3	4,4'-DDT	7.3	0.73	0.65	ug/kg	B
72-20-8	Endrin	ND	0.73	0.57	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.73	0.57	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.73	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.73	0.42	ug/kg	
33213-65-9	Endosulfan-II	ND	0.73	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.73	0.63	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.73	0.51	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.58	ug/kg	
53494-70-5	Endrin ketone	ND	0.73	0.53	ug/kg	
8001-35-2	Toxaphene	ND	18	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%		14-145%
877-09-8	Tetrachloro-m-xylene	70%		14-145%
2051-24-3	Decachlorobiphenyl	54%		10-197%
2051-24-3	Decachlorobiphenyl	90%		10-197%

(a) Detections could be due to lab contamination.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-22 (4-4.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-13		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 86.3
<b>Method:</b> SW846 8082A SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11801.D	1	06/20/22 11:30	CL	06/14/22 19:20	OP40224	GRK304
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	23	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	33	ug/kg	
11097-69-1	Aroclor 1254	ND	36	20	ug/kg	
11096-82-5	Aroclor 1260	ND	36	16	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%		10-163%
877-09-8	Tetrachloro-m-xylene	64%		10-163%
2051-24-3	Decachlorobiphenyl	44%		10-215%
2051-24-3	Decachlorobiphenyl	74%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.13  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-22 (4-4.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-13		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 86.3
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	12600	58	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.3	2.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	5.3	2.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	92.3	23	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.54	0.23	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.58	0.58	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	3690	580	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	27.1	1.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	8.2	5.8	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	39.0	2.9	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	20500	58	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	190	2.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	5760	580	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	292	1.7	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.19	0.034	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	21.8	4.6	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	2130	1200	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.3	2.3	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.58	0.58	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1200	1200	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.2	1.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	32.9	5.8	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	136	5.8	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

4.13  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-22 (4-4.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-13	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 86.3
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.29	0.29	mg/kg	1	06/13/22 10:00	MM	SW846 9012B/LACHAT
Solids, Percent	86.3		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.13  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-22 (11-11.5)	
<b>Lab Sample ID:</b> JD46262-14	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8260D SW846 5035	<b>Percent Solids:</b> 85.1
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C176327.D	1	06/14/22 15:58	BK	06/09/22 11:46	n/a	V3C7744
Run #2							

Run #1	Initial Weight
Run #1	5.3 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	320	11	4.6	ug/kg	
71-43-2	Benzene	0.52	0.55	0.50	ug/kg	J
74-97-5	Bromochloromethane	ND	5.5	0.62	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.48	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	5.5	1.5	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	5.5	0.85	ug/kg	
78-93-3	2-Butanone (MEK)	52.0	11	2.7	ug/kg	
75-15-0	Carbon disulfide	3.6	2.2	0.59	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.69	ug/kg	
108-90-7	Chlorobenzene	0.69	2.2	0.51	ug/kg	J
75-00-3	Chloroethane <sup>b</sup>	ND	5.5	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.58	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	5.5	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.73	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.77	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.62	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.55	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	5.5	0.81	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.50	ug/kg	
76-13-1	Freon 113	ND	5.5	3.0	ug/kg	
591-78-6	2-Hexanone	ND	5.5	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-22 (11-11.5)	
<b>Lab Sample ID:</b> JD46262-14	<b>Date Sampled:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/08/22
<b>Method:</b> SW846 8270E SW846 3546	<b>Percent Solids:</b> 85.1
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z157927.D	1	06/15/22 13:39	CS	06/14/22 09:00	OP40218	EZ7857
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	77	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	41	ug/kg	
95-48-7	2-Methylphenol	ND	77	25	ug/kg	
	3&4-Methylphenol	ND	77	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	25	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	150	36	ug/kg	
108-95-2	Phenol	ND	77	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	208	39	13	ug/kg	
208-96-8	Acenaphthylene	81.8	39	20	ug/kg	
98-86-2	Acetophenone	ND	190	8.3	ug/kg	
120-12-7	Anthracene	875	39	24	ug/kg	
1912-24-9	Atrazine	ND	77	16	ug/kg	
56-55-3	Benzo(a)anthracene	1670	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	1200	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	1350	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	547	39	19	ug/kg	
207-08-9	Benzo(k)fluoranthene	512	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	77	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	77	9.4	ug/kg	
92-52-4	1,1'-Biphenyl	25.9	77	5.3	ug/kg	J
100-52-7	Benzaldehyde	ND	190	9.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	77	9.2	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	111	77	5.6	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> SB-22 (11-11.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-14		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 85.1
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

**ABN TCL List (SOM0 2.0)**

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	77	15	ug/kg	
218-01-9	Chrysene	1510	39	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	77	8.2	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	77	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	77	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	77	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	19	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	77	32	ug/kg	
123-91-1	1,4-Dioxane	ND	39	25	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	205	39	17	ug/kg	
132-64-9	Dibenzofuran	62.9	77	16	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	77	6.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	77	9.6	ug/kg	
84-66-2	Diethyl phthalate	ND	77	8.2	ug/kg	
131-11-3	Dimethyl phthalate	ND	77	6.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	77	9.0	ug/kg	
206-44-0	Fluoranthene	2710	39	17	ug/kg	
86-73-7	Fluorene	255	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	77	9.7	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	390	15	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	705	39	18	ug/kg	
78-59-1	Isophorone	ND	77	8.2	ug/kg	
91-57-6	2-Methylnaphthalene	79.2	39	8.7	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.1	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.6	ug/kg	
100-01-6	4-Nitroaniline	ND	190	10	ug/kg	
91-20-3	Naphthalene	177	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	77	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	77	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	2360	39	13	ug/kg	
129-00-0	Pyrene	2670	39	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		10-99%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.14  
4



## Report of Analysis

<b>Client Sample ID:</b>	SB-22 (11-11.5)	<b>Date Sampled:</b>	06/08/22
<b>Lab Sample ID:</b>	JD46262-14	<b>Date Received:</b>	06/08/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	85.1
<b>Method:</b>	SW846 8270E SW846 3546		
<b>Project:</b>	1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	33%		10-96%
118-79-6	2,4,6-Tribromophenol	41%		10-123%
4165-60-0	Nitrobenzene-d5	37%		10-109%
321-60-8	2-Fluorobiphenyl	39%		11-109%
1718-51-0	Terphenyl-d14	39%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Naphthalene dimethyl	6.46	270	ug/kg	J
	Naphthalene dimethyl	6.52	350	ug/kg	J
	alkane	6.58	260	ug/kg	J
	Naphthalene dimethyl	6.62	290	ug/kg	J
615-22-5	Benzothiazole, 2-(methylthio)-	7.42	620	ug/kg	JN
	alkane	7.47	260	ug/kg	J
	alkane	7.76	320	ug/kg	J
	9H-Fluorene methyl	7.92	270	ug/kg	J
	Phenanthrene methyl	9.03	580	ug/kg	J
	Phenanthrene methyl	9.06	700	ug/kg	J
	Phenanthrene methyl	9.13	410	ug/kg	J
	unknown	9.17	1100	ug/kg	J
	Phenanthrene methyl	9.20	480	ug/kg	J
	unknown	9.45	640	ug/kg	J
	Phenanthrene dimethyl	9.79	460	ug/kg	J
	unknown	9.84	420	ug/kg	J
	Phenanthrene dimethyl	9.92	320	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	10.06	1000	ug/kg	JN
	Pyrene methyl	10.84	460	ug/kg	J
	Pyrene methyl	10.93	270	ug/kg	J
	Pyrene methyl	10.98	240	ug/kg	J
	Chrysene methyl	12.78	250	ug/kg	J
	unknown PAH substance	13.85	590	ug/kg	J
	unknown PAH substance	14.08	700	ug/kg	J
	unknown	15.44	320	ug/kg	J
	unknown	16.06	290	ug/kg	J
	Total TIC, Semi-Volatile		11870	ug/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-22 (11-11.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-14		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 85.1
<b>Method:</b> SW846 8082A SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	RK11802.D	1	06/20/22 12:01	CL	06/14/22 19:20	OP40224	GRK304
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	18	ug/kg	
11104-28-2	Aroclor 1221	ND	38	24	ug/kg	
11141-16-5	Aroclor 1232	ND	38	25	ug/kg	
53469-21-9	Aroclor 1242	ND	38	16	ug/kg	
12672-29-6	Aroclor 1248	ND	38	34	ug/kg	
11097-69-1	Aroclor 1254	ND	38	21	ug/kg	
11096-82-5	Aroclor 1260	ND	38	16	ug/kg	
11100-14-4	Aroclor 1268	ND	38	16	ug/kg	
37324-23-5	Aroclor 1262	ND	38	25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	47%		10-163%
877-09-8	Tetrachloro-m-xylene	48%		10-163%
2051-24-3	Decachlorobiphenyl	44%		10-215%
2051-24-3	Decachlorobiphenyl	62%		10-215%

(a) Had TBA cleanup.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.14  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-22 (11-11.5)		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-14		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 85.1
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	16200	61	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.4	2.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	4.5	2.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	126	24	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.62	0.24	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.61	0.61	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	5050	610	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	27.0	1.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	8.5	6.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	29.5	3.0	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	23400	61	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	134	2.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	5360	610	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	336	1.8	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.29	0.037	mg/kg	1	06/15/22	06/15/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	18.3	4.8	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	2220	1200	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.4	2.4	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.61	0.61	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	1360	1200	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.2	1.2	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	33.5	6.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	129	6.1	mg/kg	1	06/10/22	06/10/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52552

(2) Instrument QC Batch: MA52566

(3) Prep QC Batch: MP33381

(4) Prep QC Batch: MP33468

RL = Reporting Limit

4.14  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-22 (11-11.5)	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-14	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 85.1
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.50	0.31	mg/kg	1	06/13/22 10:01	MM	SW846 9012B/LACHAT
Solids, Percent	85.1		%	1	06/12/22 16:55	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.14  
4

## Report of Analysis

<b>Client Sample ID:</b> GW-4		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-15		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260D		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D177627.D	1	06/09/22 23:31	NH	n/a	n/a	V3D7502
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone <sup>a</sup>	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-4		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-15		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260D		
<b>Project:</b> 1 Water Street, White Plains, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-4		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-15		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270E SW846 3510C		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P150037.D	1	06/13/22 16:20	JY	06/10/22 09:15	OP40157	EP6937
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	5.0	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> GW-4		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-15		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270E SW846 3510C		
<b>Project:</b> 1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene <sup>a</sup>	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%		10-71%

ND = Not detected MDL = Method Detection Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-4	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-15	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270E SW846 3510C	
<b>Project:</b> 1 Water Street, White Plains, NY	

**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	16%		10-58%
118-79-6	2,4,6-Tribromophenol	82%		22-144%
4165-60-0	Nitrobenzene-d5	71%		28-118%
321-60-8	2-Fluorobiphenyl	69%		34-116%
1718-51-0	Terphenyl-d14	49%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Internal standard added for SIM test	4.41	4.3	ug/l	J
	Internal standard added for SIM test	5.79	4.5	ug/l	J
	Benzoic acid, -dichloro-	6.63	13	ug/l	J
	Internal standard added for SIM test	7.07	4.8	ug/l	J
	Internal standard added for SIM test	10.33	5.6	ug/l	J
	Internal standard added for SIM test	16.26	4.4	ug/l	J
	Total TIC, Semi-Volatile		13	ug/l	J

(a) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.15  
4

## Report of Analysis

<b>Client Sample ID:</b> GW-4 <b>Lab Sample ID:</b> JD46262-15 <b>Matrix:</b> AQ - Ground Water <b>Method:</b> SW846 8270E BY SIM SW846 3510C <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/08/22 <b>Date Received:</b> 06/08/22 <b>Percent Solids:</b> n/a
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	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M109100.D	1	06/14/22 08:43	CS	06/10/22 09:15	OP40157A	E4M5073
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.10	0.050	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	64%		23-127%		
321-60-8	2-Fluorobiphenyl	65%		23-114%		
1718-51-0	Terphenyl-d14	47%		10-121%		

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.15  
4



## Report of Analysis

<b>Client Sample ID:</b> GW-4		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-15		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8082A SW846 3510C		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G217370.D	1	06/17/22 12:21	CL	06/13/22 09:45	OP40207A	G2G5711
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	750 ml	5.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.17	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.15	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.084	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.10	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	90%		10-174%
877-09-8	Tetrachloro-m-xylene	95%		10-174%
2051-24-3	Decachlorobiphenyl	41%		10-151%
2051-24-3	Decachlorobiphenyl	43%		10-151%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.15  
4

### Report of Analysis

<b>Client Sample ID:</b> GW-4	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-15	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> 1 Water Street, White Plains, NY	

**Total Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	50400	200	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Antimony	< 6.0	6.0	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Arsenic <sup>a</sup>	< 15	15	ug/l	5	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Barium	2130	200	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Beryllium	2.1	1.0	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Cadmium	< 3.0	3.0	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Calcium	848000	25000	ug/l	5	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Chromium <sup>a</sup>	85.9	50	ug/l	5	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Cobalt	59.4	50	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Copper	132	10	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Iron	87600	100	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Lead <sup>a</sup>	38.8	15	ug/l	5	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Magnesium	217000	5000	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Manganese	14700	75	ug/l	5	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Mercury	1.7	1.2	ug/l	1	06/15/22	06/15/22	LM SW846 7470A <sup>2</sup>	SW846 7470A <sup>4</sup>
Nickel	101	10	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Potassium	46000	10000	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Selenium <sup>a</sup>	< 50	50	ug/l	5	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Silver <sup>a</sup>	< 50	50	ug/l	5	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Sodium	735000	50000	ug/l	5	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Thallium <sup>a</sup>	< 50	50	ug/l	5	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Vanadium	89.3	50	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>
Zinc	219	20	ug/l	1	06/12/22	06/13/22	ND SW846 6010D <sup>1</sup>	SW846 3010A <sup>3</sup>

(1) Instrument QC Batch: MA52562

(2) Instrument QC Batch: MA52568

(3) Prep QC Batch: MP33394

(4) Prep QC Batch: MP33471

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

4.15  
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## Report of Analysis

<b>Client Sample ID:</b> GW-4	<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-15	<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	06/13/22 09:37	MM	EPA 335.4/LACHAT

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> TB		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-16		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Trip Blank Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260D		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D177614.D	1	06/09/22 18:28	NH	n/a	n/a	V3D7502
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone <sup>a</sup>	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> TB		<b>Date Sampled:</b> 06/08/22
<b>Lab Sample ID:</b> JD46262-16		<b>Date Received:</b> 06/08/22
<b>Matrix:</b> AQ - Trip Blank Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260D		
<b>Project:</b> 1 Water Street, White Plains, NY		

### VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.90	ug/l	
108-88-3	Toluene	ND	1.0	0.53	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.79	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	94%		82-114%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.16  
4

Misc. Forms

Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



SO  
SLC  
FB  
TB

### CHAIN OF CUSTODY

SGS North America Inc. - Dayton  
2235 Route 130, Dayton, NJ 08810  
TEL: 732-329-0200 FAX: 732-329-3499/3480  
www.sgs.com/ehausa

EHSA-DAC-0023-04-FORM-Standard COC	FED-EX Tracking #	Bottle Control #
	SGS Quote #	1306122-47
		JD 46262

Client / Reporting Information		Project Information		Requested Analysis										Matrix Codes
Company Name: SESI Consulting Engineers		Project Name: 1 Water Street		TCL/TAL 730 PFAS 1,4-Dioxane										DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
Street Address: 12A Maple Ave, Pine Brook, NJ		Street: White Plains NY												
City: NJ		City: White Plains NY												
Project Contact: SS4@SESI.ORG		Project #: 12392												
Phone #:		Client Purchase Order #:												
Sampler(s) Name(s): Matthew Magrany		Project Manager: Steve Crustern												

SGS Sample #	Field ID / Point of Collection	MEQ/ID Vial #	Date	Time	Sampled by	Grab (G)	Source Characterized (YM)	Matrix	# of bottles	Number of preserved Bottles										pH Check (Lab Use Only)			LAB USE ONLY	
										HCl	NaOH	H2SO4	HNO3	None	DI Water	MEDIA	ENCORE							
1	SB-16 (3-3.5)		6/8/22	800	MCA	G	N	S	5						2		3	X	X	X				
2	SB-16 (12-12.5)			800					4						1		3	X						
3	SB-17 (4.5-5)			830					5						2		2	X	X	X				
4	SB-17 (12-2.5)			840					4						1		1	X						
5	SB-18 (3-3.5)			900					5						2			X	X	X				
6	SB-18 (10-10.5)			910					4						1			X						
7	SB-19 (3.5-4)			1000					5						2			X	X	X				
8	SB-19 (11-11.5)			10:0					4						1			X						
9	SB-20 (4-4.5)			1100					4						1			X						
10	SB-20 (10-10.5)			1110					5						2			X	X	X				
11	SB-21 (3.5-4)			1130					5						2			X	X	X				
12	SB-21 (13-13.5)			1140					5						1			X						

Turn Around Time (Business Days)	Approved By (SGS PM): / Date:	Commercial "A" (Level 1)	Commercial "B" (Level 2)	Commercial "C" (Level 3)	Commercial "D" (Level 4)	Commercial "E" (Level 5)	Commercial "F" (Level 6)	Commercial "G" (Level 7)	Commercial "H" (Level 8)	Commercial "I" (Level 9)	Commercial "J" (Level 10)	Commercial "K" (Level 11)	Commercial "L" (Level 12)	Commercial "M" (Level 13)	Commercial "N" (Level 14)	Commercial "O" (Level 15)	Commercial "P" (Level 16)	Commercial "Q" (Level 17)	Commercial "R" (Level 18)	Commercial "S" (Level 19)	Commercial "T" (Level 20)	Commercial "U" (Level 21)	Commercial "V" (Level 22)	Commercial "W" (Level 23)	Commercial "X" (Level 24)	Commercial "Y" (Level 25)	Commercial "Z" (Level 26)	Commercial "AA" (Level 27)	Commercial "AB" (Level 28)	Commercial "AC" (Level 29)	Commercial "AD" (Level 30)	Commercial "AE" (Level 31)	Commercial "AF" (Level 32)	Commercial "AG" (Level 33)	Commercial "AH" (Level 34)	Commercial "AI" (Level 35)	Commercial "AJ" (Level 36)	Commercial "AK" (Level 37)	Commercial "AL" (Level 38)	Commercial "AM" (Level 39)	Commercial "AN" (Level 40)	Commercial "AO" (Level 41)	Commercial "AP" (Level 42)	Commercial "AQ" (Level 43)	Commercial "AR" (Level 44)	Commercial "AS" (Level 45)	Commercial "AT" (Level 46)	Commercial "AU" (Level 47)	Commercial "AV" (Level 48)	Commercial "AW" (Level 49)	Commercial "AX" (Level 50)	Commercial "AY" (Level 51)	Commercial "AZ" (Level 52)	Commercial "BA" (Level 53)	Commercial "BB" (Level 54)	Commercial "BC" (Level 55)	Commercial "BD" (Level 56)	Commercial "BE" (Level 57)	Commercial "BF" (Level 58)	Commercial "BG" (Level 59)	Commercial "BH" (Level 60)	Commercial "BI" (Level 61)	Commercial "BJ" (Level 62)	Commercial "BK" (Level 63)	Commercial "BL" (Level 64)	Commercial "BM" (Level 65)	Commercial "BN" (Level 66)	Commercial "BO" (Level 67)	Commercial "BP" (Level 68)	Commercial "BQ" (Level 69)	Commercial "BR" (Level 70)	Commercial "BS" (Level 71)	Commercial "BT" (Level 72)	Commercial "BU" (Level 73)	Commercial "BV" (Level 74)	Commercial "BW" (Level 75)	Commercial "BX" (Level 76)	Commercial "BY" (Level 77)	Commercial "BZ" (Level 78)	Commercial "CA" (Level 79)	Commercial "CB" (Level 80)	Commercial "CC" (Level 81)	Commercial "CD" (Level 82)	Commercial "CE" (Level 83)	Commercial "CF" (Level 84)	Commercial "CG" (Level 85)	Commercial "CH" (Level 86)	Commercial "CI" (Level 87)	Commercial "CJ" (Level 88)	Commercial "CK" (Level 89)	Commercial "CL" (Level 90)	Commercial "CM" (Level 91)	Commercial "CN" (Level 92)	Commercial "CO" (Level 93)	Commercial "CP" (Level 94)	Commercial "CQ" (Level 95)	Commercial "CR" (Level 96)	Commercial "CS" (Level 97)	Commercial "CT" (Level 98)	Commercial "CU" (Level 99)	Commercial "CV" (Level 100)	Commercial "CW" (Level 101)	Commercial "CX" (Level 102)	Commercial "CY" (Level 103)	Commercial "CZ" (Level 104)	Commercial "DA" (Level 105)	Commercial "DB" (Level 106)	Commercial "DC" (Level 107)	Commercial "DD" (Level 108)	Commercial "DE" (Level 109)	Commercial "DF" (Level 110)	Commercial "DG" (Level 111)	Commercial "DH" (Level 112)	Commercial "DI" (Level 113)	Commercial "DJ" (Level 114)	Commercial "DK" (Level 115)	Commercial "DL" (Level 116)	Commercial "DM" (Level 117)	Commercial "DN" (Level 118)	Commercial "DO" (Level 119)	Commercial "DP" (Level 120)	Commercial "DQ" (Level 121)	Commercial "DR" (Level 122)	Commercial "DS" (Level 123)	Commercial "DT" (Level 124)	Commercial "DU" (Level 125)	Commercial "DV" (Level 126)	Commercial "DW" (Level 127)	Commercial "DX" (Level 128)	Commercial "DY" (Level 129)	Commercial "DZ" (Level 130)	Commercial "EA" (Level 131)	Commercial "EB" (Level 132)	Commercial "EC" (Level 133)	Commercial "ED" (Level 134)	Commercial "EE" (Level 135)	Commercial "EF" (Level 136)	Commercial "EG" (Level 137)	Commercial "EH" (Level 138)	Commercial "EI" (Level 139)	Commercial "EJ" (Level 140)	Commercial "EK" (Level 141)	Commercial "EL" (Level 142)	Commercial "EM" (Level 143)	Commercial "EN" (Level 144)	Commercial "EO" (Level 145)	Commercial "EP" (Level 146)	Commercial "EQ" (Level 147)	Commercial "ER" (Level 148)	Commercial "ES" (Level 149)	Commercial "ET" (Level 150)	Commercial "EU" (Level 151)	Commercial "EV" (Level 152)	Commercial "EW" (Level 153)	Commercial "EX" (Level 154)	Commercial "EY" (Level 155)	Commercial "EZ" (Level 156)	Commercial "FA" (Level 157)	Commercial "FB" (Level 158)	Commercial "FC" (Level 159)	Commercial "FD" (Level 160)	Commercial "FE" (Level 161)	Commercial "FF" (Level 162)	Commercial "FG" (Level 163)	Commercial "FH" (Level 164)	Commercial "FI" (Level 165)	Commercial "FJ" (Level 166)	Commercial "FK" (Level 167)	Commercial "FL" (Level 168)	Commercial "FM" (Level 169)	Commercial "FN" (Level 170)	Commercial "FO" (Level 171)	Commercial "FP" (Level 172)	Commercial "FQ" (Level 173)	Commercial "FR" (Level 174)	Commercial "FS" (Level 175)	Commercial "FT" (Level 176)	Commercial "FU" (Level 177)	Commercial "FV" (Level 178)	Commercial "FW" (Level 179)	Commercial "FX" (Level 180)	Commercial "FY" (Level 181)	Commercial "FZ" (Level 182)	Commercial "GA" (Level 183)	Commercial "GB" (Level 184)	Commercial "GC" (Level 185)	Commercial "GD" (Level 186)	Commercial "GE" (Level 187)	Commercial "GF" (Level 188)	Commercial "GG" (Level 189)	Commercial "GH" (Level 190)	Commercial "GI" (Level 191)	Commercial "GJ" (Level 192)	Commercial "GK" (Level 193)	Commercial "GL" (Level 194)	Commercial "GM" (Level 195)	Commercial "GN" (Level 196)	Commercial "GO" (Level 197)	Commercial "GP" (Level 198)	Commercial "GQ" (Level 199)	Commercial "GR" (Level 200)	Commercial "GS" (Level 201)	Commercial "GT" (Level 202)	Commercial "GU" (Level 203)	Commercial "GV" (Level 204)	Commercial "GW" (Level 205)	Commercial "GX" (Level 206)	Commercial "GY" (Level 207)	Commercial "GZ" (Level 208)	Commercial "HA" (Level 209)	Commercial "HB" (Level 210)	Commercial "HC" (Level 211)	Commercial "HD" (Level 212)	Commercial "HE" (Level 213)	Commercial "HF" (Level 214)	Commercial "HG" (Level 215)	Commercial "HH" (Level 216)	Commercial "HI" (Level 217)	Commercial "HJ" (Level 218)	Commercial "HK" (Level 219)	Commercial "HL" (Level 220)	Commercial "HM" (Level 221)	Commercial "HN" (Level 222)	Commercial "HO" (Level 223)	Commercial "HP" (Level 224)	Commercial "HQ" (Level 225)	Commercial "HR" (Level 226)	Commercial "HS" (Level 227)	Commercial "HT" (Level 228)	Commercial "HU" (Level 229)	Commercial "HV" (Level 230)	Commercial "HW" (Level 231)	Commercial "HX" (Level 232)	Commercial "HY" (Level 233)	Commercial "HZ" (Level 234)	Commercial "IA" (Level 235)	Commercial "IB" (Level 236)	Commercial "IC" (Level 237)	Commercial "ID" (Level 238)	Commercial "IE" (Level 239)	Commercial "IF" (Level 240)	Commercial "IG" (Level 241)	Commercial "IH" (Level 242)	Commercial "II" (Level 243)	Commercial "IJ" (Level 244)	Commercial "IK" (Level 245)	Commercial "IL" (Level 246)	Commercial "IM" (Level 247)	Commercial "IN" (Level 248)	Commercial "IO" (Level 249)	Commercial "IP" (Level 250)	Commercial "IQ" (Level 251)	Commercial "IR" (Level 252)	Commercial "IS" (Level 253)	Commercial "IT" (Level 254)	Commercial "IU" (Level 255)	Commercial "IV" (Level 256)	Commercial "IW" (Level 257)	Commercial "IX" (Level 258)	Commercial "IY" (Level 259)	Commercial "IZ" (Level 260)	Commercial "JA" (Level 261)	Commercial "JB" (Level 262)	Commercial "JC" (Level 263)	Commercial "JD" (Level 264)	Commercial "JE" (Level 265)	Commercial "JF" (Level 266)	Commercial "JG" (Level 267)	Commercial "JH" (Level 268)	Commercial "JI" (Level 269)	Commercial "JJ" (Level 270)	Commercial "JK" (Level 271)	Commercial "JL" (Level 272)	Commercial "JM" (Level 273)	Commercial "JN" (Level 274)	Commercial "JO" (Level 275)	Commercial "JP" (Level 276)	Commercial "JQ" (Level 277)	Commercial "JR" (Level 278)	Commercial "JS" (Level 279)	Commercial "JT" (Level 280)	Commercial "JU" (Level 281)	Commercial "JV" (Level 282)	Commercial "JW" (Level 283)	Commercial "JX" (Level 284)	Commercial "JY" (Level 285)	Commercial "JZ" (Level 286)	Commercial "KA" (Level 287)	Commercial "KB" (Level 288)	Commercial "KC" (Level 289)	Commercial "KD" (Level 290)	Commercial "KE" (Level 291)	Commercial "KF" (Level 292)	Commercial "KG" (Level 293)	Commercial "KH" (Level 294)	Commercial "KI" (Level 295)	Commercial "KJ" (Level 296)	Commercial "KK" (Level 297)	Commercial "KL" (Level 298)	Commercial "KM" (Level 299)	Commercial "KN" (Level 300)	Commercial "KO" (Level 301)	Commercial "KP" (Level 302)	Commercial "KQ" (Level 303)	Commercial "KR" (Level 304)	Commercial "KS" (Level 305)	Commercial "KT" (Level 306)	Commercial "KU" (Level 307)	Commercial "KV" (Level 308)	Commercial "KW" (Level 309)	Commercial "KX" (Level 310)	Commercial "KY" (Level 311)	Commercial "KZ" (Level 312)	Commercial "LA" (Level 313)	Commercial "LB" (Level 314)	Commercial "LC" (Level 315)	Commercial "LD" (Level 316)	Commercial "LE" (Level 317)	Commercial "LF" (Level 318)	Commercial "LG" (Level 319)	Commercial "LH" (Level 320)	Commercial "LI" (Level 321)	Commercial "LJ" (Level 322)	Commercial "LK" (Level 323)	Commercial "LL" (Level 324)	Commercial "LM" (Level 325)	Commercial "LN" (Level 326)	Commercial "LO" (Level 327)	Commercial "LP" (Level 328)	Commercial "LQ" (Level 329)	Commercial "LR" (Level 330)	Commercial "LS" (Level 331)	Commercial "LT" (Level 332)	Commercial "LU" (Level 333)	Commercial "LV" (Level 334)	Commercial "LW" (Level 335)	Commercial "LX" (Level 336)	Commercial "LY" (Level 337)	Commercial "LZ" (Level 338)	Commercial "MA" (Level 339)	Commercial "MB" (Level 340)	Commercial "MC" (Level 341)	Commercial "MD" (Level 342)	Commercial "ME" (Level 343)	Commercial "MF" (Level 344)	Commercial "MG" (Level 345)	Commercial "MH" (Level 346)	Commercial "MI" (Level 347)	Commercial "MJ" (Level 348)	Commercial "MK" (Level 349)	Commercial "ML" (Level 350)	Commercial "MM" (Level 351)	Commercial "MN" (Level 352)	Commercial "MO" (Level 353)	Commercial "MP" (Level 354)	Commercial "MQ" (Level 355)	Commercial "MR" (Level 356)	Commercial "MS" (Level 357)	Commercial "MT" (Level 358)	Commercial "MU" (Level 359)	Commercial "MV" (Level 360)	Commercial "MW" (Level 361)	Commercial "MX" (Level 362)	Commercial "MY" (Level 363)	Commercial "MZ" (Level 364)	Commercial "NA" (Level 365)	Commercial "NB" (Level 366)	Commercial "NC" (Level 367)	Commercial "ND" (Level 368)	Commercial "NE" (Level 369)	Commercial "NF" (Level 370)	Commercial "NG" (Level 371)	Commercial "NH" (Level 372)	Commercial "NI" (Level 373)	Commercial "NJ" (Level 374)	Commercial "NK" (Level 375)	Commercial "NL" (Level 376)	Commercial "NM" (Level 377)	Commercial "NN" (Level 378)	Commercial "NO" (Level 379)	Commercial "NP" (Level 380)	Commercial "NQ" (Level 381)	Commercial "NR" (Level 382)	Commercial "NS" (Level 383)	Commercial "NT" (Level 384)	Commercial "NU" (Level 385)	Commercial "NV" (Level 386)	Commercial "NW" (Level 387)	Commercial "NX" (Level 388)	Commercial "NY" (Level 389)	Commercial "NZ" (Level 390)	Commercial "OA" (Level 391)	Commercial "OB" (Level 392)	Commercial "OC" (Level 393)	Commercial "OD" (Level 394)	Commercial "OE" (Level 395)	Commercial "OF" (Level 396)	Commercial "OG" (Level 397)	Commercial "OH" (Level 398)	Commercial "OI" (Level 399)	Commercial "OJ" (Level 400)	Commercial "OK" (Level 401)	Commercial "OL" (Level 402)	Commercial "OM" (Level 403)	Commercial "ON" (Level 404)	Commercial "OO" (Level 405)	Commercial "OP" (Level 406)	Commercial "OQ" (Level 407)	Commercial "OR" (Level 408)	Commercial "OS" (Level 409)	Commercial "OT" (Level 410)	Commercial "OU" (Level 411)	Commercial "OV" (Level 412)	Commercial "OW" (Level 413)	Commercial "OX" (Level 414)	Commercial "OY" (Level 415)	Commercial "OZ" (Level 416)	Commercial "PA" (Level 417)	Commercial "PB" (Level 418)	Commercial "PC" (Level 419)	Commercial "PD" (Level 420)	Commercial "PE" (Level 421)	Commercial "PF" (Level 422)	Commercial "PG" (Level 423)	Commercial "PH" (Level 424)	Commercial "PI" (Level 425)	Commercial "PJ" (Level 426)	Commercial "PK" (Level 427)	Commercial "PL" (Level 428)	Commercial "PM" (Level 429)	Commercial "PN" (Level 430)	Commercial "PO" (Level 431)	Commercial "PP" (Level 432)	Commercial "PQ" (Level 433)	Commercial "PR" (Level 434)	Commercial "PS" (Level 435)	Commercial "PT" (Level 436)	Commercial "PU" (Level 437)	Commercial "PV" (Level 438)	Commercial "PW" (Level 439)	Commercial "PX" (Level 440)	Commercial "PY" (Level 441)	Commercial "PZ" (Level 442)	Commercial "QA" (Level 443)	Commercial "QB" (Level 444)	Commercial "QC" (Level 445)	Commercial "QD" (Level 446)	Commercial "QE" (Level 447)	Commercial "QF" (Level 448)	Commercial "QG" (Level 449)	Commercial "QH" (Level 450)	Commercial "QI" (Level 451)	Commercial "QJ" (Level 452)	Commercial "QK" (Level 453)	Commercial "QL" (Level 454)	Commercial "QM" (Level 455)	Commercial "QN" (Level 456)	Commercial "QO" (Level 457)	Commercial "QP" (Level 458)	Commercial "QQ" (Level 459)	Commercial "QR" (Level 460)	Commercial "QS" (Level 461)	Commercial "QT" (Level 462)	Commercial "QU" (Level 463)	Commercial "QV" (Level 464)	Commercial "QW" (Level 465)	Commercial "QX" (Level 466)	Commercial "QY" (Level 467)	Commercial "QZ" (Level 468)	Commercial "RA" (Level 469)	Commercial "RB" (Level 470)	Commercial "RC" (Level 471)	Commercial "RD" (Level 472)	Commercial "RE" (Level 473)	Commercial "RF" (Level 474)	Commercial "RG" (Level 475)	Commercial "RH" (Level 476)	Commercial "RI" (Level 477)	Commercial "RJ" (Level 478)	Commercial "RK" (Level 479)	Commercial "RL" (Level 480)	Commercial "RM" (Level 481)	Commercial "RN" (Level 482)	Commercial "RO" (Level 483)	Commercial "RP" (Level 484)	Commercial "RQ" (Level 485)	Commercial "RR" (Level 486)	Commercial "RS" (Level 487)	Commercial "RT" (Level 488)	Commercial "RU" (Level 489)	Commercial "RV" (Level 490)	Commercial "RW" (Level 491)	Commercial "RX" (Level 492)	Commercial "RY" (Level 493)	Commercial "RZ" (Level 494)	Commercial "SA" (Level 495)	Commercial "SB" (Level 496)	Commercial "SC" (Level 497)	Commercial "SD" (Level 498)	Commercial "SE" (Level 499)	Commercial "SF" (Level 500)	Commercial "SG" (Level 501)	Commercial "SH" (Level 502)	Commercial "SI" (Level 503)	Commercial "SJ" (Level 504)	Commercial "SK" (Level 505)	Commercial "SL" (Level 506)	Commercial "SM" (Level 507)	Commercial "SN" (Level 508)	Commercial "SO" (Level 509)	Commercial "SP" (Level 510)	Commercial "SQ" (Level 511)	Commercial "SR" (Level 512)	Commercial "SS" (Level 513)	Commercial "ST" (Level 514)	Commercial "SU" (Level 515)	Commercial "SV" (Level 516)	Commercial "SW" (Level 517)	Commercial "SX" (Level 518)	Commercial "SY" (Level 519)	Commercial "SZ" (Level 520)	Commercial "TA" (Level 521)	Commercial "TB" (Level 522)	Commercial "TC" (Level 523)	Commercial "TD" (Level 524)	Commercial "TE" (Level 525)	Commercial "TF" (Level 526)	Commercial "TG" (Level 527)	Commercial "TH" (Level 528)	Commercial "TI" (Level 529)	Commercial "TJ" (Level 530)	Commercial "TK" (Level 531)	Commercial "TL" (Level 532)	Commercial "TM" (Level 533)	Commercial "TN" (Level 534)	Commercial "TO" (Level 535)	Commercial "TP" (Level 536)	Commercial "TQ" (Level 537)	Commercial "TR" (Level 538)	Commercial "TS" (Level 539)	Commercial "TT" (Level 540)	Commercial "TU" (Level 541)	Commercial "TV" (Level 542)	Commercial "TW" (Level 543)	Commercial "TX" (Level 544)	Commercial "TY" (Level 545)	Commercial "TZ" (Level 546)	Commercial "UA" (Level 547)	Commercial "UB" (Level 548)	Commercial "UC" (Level 549)	Commercial "UD" (Level 550)	Commercial "UE" (Level 551)	Commercial "UF" (Level 552)	Commercial "UG" (Level 553)	Commercial "UH" (Level 554)	Commercial "UI" (Level 555)	Commercial "UJ" (Level 556)	Commercial "UK" (Level 557)	Commercial "UL" (Level 558)	Commercial "UM" (Level 559)	Commercial "UN" (Level 560)	Commercial "UO" (Level 561)	Commercial "UP" (Level 562)	Commercial "UQ" (Level 563)	Commercial "UR" (Level 564)	Commercial "US" (Level 565)	Commercial "UT" (Level 566)	Commercial "UU" (Level 567)	Commercial "UV" (Level 568)	Commercial "UW" (Level 569)	Commercial "UX" (Level 570)	Commercial "UY" (Level 571)	Commercial "UZ" (Level 572)	Commercial "VA" (Level 573)	Commercial "VB" (Level 574)	Commercial "VC" (Level 575)	Commercial "VD" (Level 576)	Commercial "VE" (Level 577)	Commercial "VF" (Level 578)	Commercial "VG" (Level 579)	Commercial "VH" (Level 580)	Commercial "VI" (Level 581)	Commercial "VJ" (Level 582)	Commercial "VK" (Level 583)	Commercial "VL" (Level 584)	Commercial "VM" (Level 585)	Commercial "VN" (Level 586)	Commercial "VO" (Level 587)	Commercial "VP" (Level 588)	Commercial "VQ" (Level 589)	Commercial "VR" (Level 590)	Commercial "VS" (Level 591)	Commercial "VT" (Level 592)	Commercial "
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## SGS Sample Receipt Summary

**Job Number:** JD46262

**Client:** SESI CONSULTING ENGINEERS

**Project:** 33-39 LAWTON STREET, NEW ROCHELLE, N

**Date / Time Received:** 6/8/2022 6:45:00 PM

**Delivery Method:**

**Airbill #'s:**

**Cooler Temps (Raw Measured) °C:** Cooler 1: (3.1); Cooler 2: (2.8);

**Cooler Temps (Corrected) °C:** Cooler 1: (2.8); Cooler 2: (2.5);

<b>Cooler Security</b>		<b>Y</b>	<b>or</b>	<b>N</b>		<b>Y</b>	<b>or</b>	<b>N</b>
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>		3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>		4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<b>Cooler Temperature</b>		<b>Y</b>	<b>or</b>	<b>N</b>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Cooler temp verification:	IR Gun			
3. Cooler media:	Ice (Bag)			
4. No. Coolers:	2			

<b>Quality Control Preservation</b>				<b>Y</b>	<b>or</b>	<b>N</b>	<b>N/A</b>
1. Trip Blank present / cooler:	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
2. Trip Blank listed on COC:	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		

<b>Sample Integrity - Documentation</b>		<b>Y</b>	<b>or</b>	<b>N</b>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	

<b>Sample Integrity - Condition</b>		<b>Y</b>	<b>or</b>	<b>N</b>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Condition of sample:	Intact			

<b>Sample Integrity - Instructions</b>				<b>Y</b>	<b>or</b>	<b>N</b>	<b>N/A</b>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>

Test Strip Lot #s:      pH 1-12: 231619      pH 12+: 203117A      Other: (Specify)

Comments 1). Sample -15 Did not received volume for PFAS analysis. Please confirm

**JD46262: Chain of Custody**

Page 3 of 5

Responded to by: Kelly Ramos

Response Date: 6/9/22

Please cancel PFAS for this sample, client is going to send in at later date

**JD46262: Chain of Custody**

**Page 4 of 5**

Job Change Order: JD46262

**Requested Date:** 6/9/2022      **Received Date:** 6/8/2022  
**Account Name:** SESI Consulting Engineers      **Due Date:** 6/9/2022  
**Project Description:** 1 Water Street, White Plains, NY      **Deliverable:** NYASPB  
**C/O Initiated By:** KELLY.RAM      **PM:** KR      **TAT (Days):** 14

=====  
**Sample #:** JD46262-1A, 3A, 5A, 7A, 10A,      **Change:**  
11A, 13A      Please cancel LCID537NY21, LCMS+14DAY, PFAS not needed  
**Dept:**  
**TAT:** 14  
=====

JD46262: Chain of Custody  
Page 5 of 5

**Above Changes Per:** Matt M.      **Date/Time:** 6/9/2022

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
*Automated Report*

## Technical Report for

### SESI Consulting Engineers

1 Water Street, White Plains, NY

12392

SGS Job Number: JD46395

Sampling Date: 06/09/22

#### Report to:

SESI Consulting Engineers

chris.malvicini@sesi.org

ATTN: Christopher Malvicini

Total number of pages in report: **28**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A blue ink signature of David Chastain.

David Chastain  
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.





**Jun 24, 2022**

**Mr. Matthew Majorossy  
SESI Consulting Engineers  
12 Maple Avenue Building A  
Pine Brook, NJ 07058**

**RE: SGS – Dayton, Job # JD46395- Reissues**

**Dear Mr. Majorossy,**

**The final report for SGS job number JD46395 has been edited to reflect corrections to the results. These edits have been incorporated into the revised report which is attached.**

**Specifically, there was an error of project's information entered on the sample receipt summary. The attached revised report incorporates these revisions.**

**SGS apologizes for this occurrence and for any inconvenience this situation may have caused. Please contact me if I can be of further assistance in this matter.**

**Sincerely,**

**Report Department**

**SGS North America Inc.**

---

**SGS North America Inc.** | Mid-Atlantic 2235 US Highway 130 Dayton, NJ 08810, USA t +1 (0)732 329 0200 www.sgs.com

Member of the SGS Group (SGS SA)

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## Sample Summary

SESI Consulting Engineers

**Job No:** JD46395

1 Water Street, White Plains, NY  
 Project No: 12392

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
---------------	----------------	---------	----------	------------------	------------------

This report contains results reported as ND = Not detected. The following applies:  
 Organics ND = Not detected above the MDL

JD46395-1	06/09/22	10:10 MM	06/09/22	AIR	Soil Vapor Comp.	VP-7
JD46395-2	06/09/22	11:20 MM	06/09/22	AIR	Soil Vapor Comp.	VP-8
JD46395-3	06/09/22	11:35 MM	06/09/22	AIR	Soil Vapor Comp.	VP-9
JD46395-4	06/09/22	09:51 MM	06/09/22	AIR	Ambient Air Comp.	AA-1

## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** SESI Consulting Engineers

**Job No:** JD46395

**Site:** 1 Water Street, White Plains, NY

**Report Date** 6/17/2022 4:56:29 PM

On 06/09/2022, 4 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. A SGS North America Inc. Job Number of JD46395 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

### MS Volatiles By Method TO-15

**Matrix:** AIR

**Batch ID:** V2W2661

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD46256-14DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD46395-4 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JD46395-2 for Heptane: This compound in blank spike is outside in house QC limits bias high.
- JD46395-1 for Heptane: This compound in blank spike is outside in house QC limits bias high.

**Matrix:** AIR

**Batch ID:** V2W2662

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD46397-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46395-3 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- V2W2662-BS for Benzyl Chloride: High percent recovery and no associated positive reported in the QC batch.
- JD46395-3 for Benzyl Chloride: This compound in blank spike is outside in house QC limits bias high.
- JD46395-3 for Hexachlorobutadiene: This compound in blank spike is outside in house QC limits bias high.

**Matrix:** AIR

**Batch ID:** V3W3010

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46666-1DUP were used as the QC samples indicated.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

## Summary of Hits

**Job Number:** JD46395  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**JD46395-1      VP-7**

Acetone (2-Propanone)	80.0	0.80	0.58	ppbv	TO-15
Benzene	3.2	0.20	0.062	ppbv	TO-15
Chloromethane	0.24	0.20	0.090	ppbv	TO-15
Cyclohexane	1.7	0.20	0.11	ppbv	TO-15
m-Dichlorobenzene	0.63	0.10	0.040	ppbv	TO-15
Ethanol	90.1	2.0	1.6	ppbv	TO-15
Ethylbenzene	1.3	0.20	0.061	ppbv	TO-15
Ethyl Acetate	17.4	0.20	0.10	ppbv	TO-15
4-Ethyltoluene	0.47	0.20	0.095	ppbv	TO-15
Freon 114	0.19	0.10	0.050	ppbv	TO-15
Heptane <sup>a</sup>	29.9	0.20	0.092	ppbv	TO-15
Hexane	36.6	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol	6.3	0.20	0.14	ppbv	TO-15
Methylene chloride	0.69	0.20	0.056	ppbv	TO-15
Methyl Isobutyl Ketone	9.6	0.20	0.073	ppbv	TO-15
1,2,4-Trimethylbenzene	1.9	0.20	0.087	ppbv	TO-15
1,3,5-Trimethylbenzene	0.50	0.20	0.080	ppbv	TO-15
2,2,4-Trimethylpentane	11.8	0.20	0.095	ppbv	TO-15
Tertiary Butyl Alcohol	3.9	0.20	0.093	ppbv	TO-15
Tetrachloroethylene	1.3	0.040	0.014	ppbv	TO-15
Tetrahydrofuran	2.1	0.20	0.090	ppbv	TO-15
Toluene	5.7	0.20	0.057	ppbv	TO-15
Trichloroethylene	0.10	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane	77.1	0.40	0.14	ppbv	TO-15
m,p-Xylene	4.8	0.20	0.14	ppbv	TO-15
o-Xylene	1.7	0.20	0.077	ppbv	TO-15
Xylenes (total)	6.5	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone)	190	1.9	1.4	ug/m3	TO-15
Benzene	10	0.64	0.20	ug/m3	TO-15
Chloromethane	0.50	0.41	0.19	ug/m3	TO-15
Cyclohexane	5.9	0.69	0.38	ug/m3	TO-15
m-Dichlorobenzene	3.8	0.60	0.24	ug/m3	TO-15
Ethanol	170	3.8	3.0	ug/m3	TO-15
Ethylbenzene	5.6	0.87	0.26	ug/m3	TO-15
Ethyl Acetate	62.6	0.72	0.36	ug/m3	TO-15
4-Ethyltoluene	2.3	0.98	0.47	ug/m3	TO-15
Freon 114	1.3	0.70	0.35	ug/m3	TO-15
Heptane <sup>a</sup>	123	0.82	0.38	ug/m3	TO-15
Hexane	129	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol	15	0.49	0.34	ug/m3	TO-15
Methylene chloride	2.4	0.69	0.19	ug/m3	TO-15
Methyl Isobutyl Ketone	39	0.82	0.30	ug/m3	TO-15
1,2,4-Trimethylbenzene	9.3	0.98	0.43	ug/m3	TO-15

## Summary of Hits

**Job Number:** JD46395  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,3,5-Trimethylbenzene		2.5	0.98	0.39	ug/m3	TO-15
2,2,4-Trimethylpentane		55.1	0.93	0.44	ug/m3	TO-15
Tertiary Butyl Alcohol		12	0.61	0.28	ug/m3	TO-15
Tetrachloroethylene		8.8	0.27	0.095	ug/m3	TO-15
Tetrahydrofuran		6.2	0.59	0.27	ug/m3	TO-15
Toluene		21	0.75	0.21	ug/m3	TO-15
Trichloroethylene		0.54	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane		433	2.2	0.79	ug/m3	TO-15
m,p-Xylene		21	0.87	0.61	ug/m3	TO-15
o-Xylene		7.4	0.87	0.33	ug/m3	TO-15
Xylenes (total)		28	0.87	0.33	ug/m3	TO-15

**JD46395-2      VP-8**

Acetone (2-Propanone)		123	0.80	0.58	ppbv	TO-15
1,3-Butadiene		1.2	0.20	0.084	ppbv	TO-15
Benzene		6.1	0.20	0.062	ppbv	TO-15
Carbon disulfide		0.64	0.20	0.045	ppbv	TO-15
Chloroform		0.50	0.20	0.037	ppbv	TO-15
Chloromethane		0.62	0.20	0.090	ppbv	TO-15
Carbon tetrachloride		0.096	0.040	0.040	ppbv	TO-15
m-Dichlorobenzene		1.5	0.10	0.040	ppbv	TO-15
Ethylbenzene		1.3	0.20	0.061	ppbv	TO-15
Ethyl Acetate		9.2	0.20	0.10	ppbv	TO-15
4-Ethyltoluene		0.47	0.20	0.095	ppbv	TO-15
Heptane <sup>a</sup>		1.3	0.20	0.092	ppbv	TO-15
Methyl ethyl ketone		7.4	0.20	0.11	ppbv	TO-15
Methyl Isobutyl Ketone		11.6	0.20	0.073	ppbv	TO-15
1,2,4-Trimethylbenzene		1.9	0.20	0.087	ppbv	TO-15
1,3,5-Trimethylbenzene		0.55	0.20	0.080	ppbv	TO-15
2,2,4-Trimethylpentane		2.7	0.20	0.095	ppbv	TO-15
Tetrachloroethylene		1.0	0.040	0.014	ppbv	TO-15
Tetrahydrofuran		4.8	0.20	0.090	ppbv	TO-15
Toluene		3.9	0.20	0.057	ppbv	TO-15
Trichloroethylene		0.088	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane		1.9	0.10	0.036	ppbv	TO-15
m,p-Xylene		5.7	0.20	0.14	ppbv	TO-15
o-Xylene		2.5	0.20	0.077	ppbv	TO-15
Xylenes (total)		8.2	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone)		292	1.9	1.4	ug/m3	TO-15
1,3-Butadiene		2.7	0.44	0.19	ug/m3	TO-15
Benzene		19	0.64	0.20	ug/m3	TO-15
Carbon disulfide		2.0	0.62	0.14	ug/m3	TO-15
Chloroform		2.4	0.98	0.18	ug/m3	TO-15
Chloromethane		1.3	0.41	0.19	ug/m3	TO-15

## Summary of Hits

**Job Number:** JD46395  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Carbon tetrachloride		0.60	0.25	0.25	ug/m3	TO-15
m-Dichlorobenzene		9.0	0.60	0.24	ug/m3	TO-15
Ethylbenzene		5.6	0.87	0.26	ug/m3	TO-15
Ethyl Acetate		33	0.72	0.36	ug/m3	TO-15
4-Ethyltoluene		2.3	0.98	0.47	ug/m3	TO-15
Heptane <sup>a</sup>		5.3	0.82	0.38	ug/m3	TO-15
Methyl ethyl ketone		22	0.59	0.32	ug/m3	TO-15
Methyl Isobutyl Ketone		47.5	0.82	0.30	ug/m3	TO-15
1,2,4-Trimethylbenzene		9.3	0.98	0.43	ug/m3	TO-15
1,3,5-Trimethylbenzene		2.7	0.98	0.39	ug/m3	TO-15
2,2,4-Trimethylpentane		13	0.93	0.44	ug/m3	TO-15
Tetrachloroethylene		6.8	0.27	0.095	ug/m3	TO-15
Tetrahydrofuran		14	0.59	0.27	ug/m3	TO-15
Toluene		15	0.75	0.21	ug/m3	TO-15
Trichloroethylene		0.47	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane		11	0.56	0.20	ug/m3	TO-15
m,p-Xylene		25	0.87	0.61	ug/m3	TO-15
o-Xylene		11	0.87	0.33	ug/m3	TO-15
Xylenes (total)		36	0.87	0.33	ug/m3	TO-15

**JD46395-3      VP-9**

Acetone (2-Propanone)		69.4	0.80	0.58	ppbv	TO-15
Benzene		6.9	0.80	0.25	ppbv	TO-15
Carbon disulfide		19.6	0.80	0.18	ppbv	TO-15
Chloroform		0.95	0.80	0.15	ppbv	TO-15
Chloromethane		1.2	0.80	0.36	ppbv	TO-15
Cyclohexane		3.0	0.80	0.44	ppbv	TO-15
Dichlorodifluoromethane		0.44 J	0.80	0.13	ppbv	TO-15
m-Dichlorobenzene		1.1	0.40	0.16	ppbv	TO-15
Ethanol		40.4	2.0	1.6	ppbv	TO-15
Ethylbenzene		1.3	0.80	0.24	ppbv	TO-15
Ethyl Acetate		3.4	0.80	0.42	ppbv	TO-15
4-Ethyltoluene		0.39 J	0.80	0.38	ppbv	TO-15
Freon 114		0.48	0.40	0.20	ppbv	TO-15
Heptane		1.7	0.80	0.37	ppbv	TO-15
Hexane		3.7	0.80	0.45	ppbv	TO-15
2-Hexanone		1.2	0.80	0.58	ppbv	TO-15
Isopropyl Alcohol		458 E	0.80	0.56	ppbv	TO-15
Methylene chloride		0.81	0.80	0.22	ppbv	TO-15
Methyl ethyl ketone		6.7	0.80	0.44	ppbv	TO-15
Methyl Isobutyl Ketone		7.8	0.80	0.29	ppbv	TO-15
Methylmethacrylate		0.39 J	0.80	0.28	ppbv	TO-15
Propylene		104	2.0	0.57	ppbv	TO-15
1,1,1-Trichloroethane		2.0	0.40	0.15	ppbv	TO-15

## Summary of Hits

**Job Number:** JD46395  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,2,4-Trimethylbenzene		1.5	0.80	0.35	ppbv	TO-15
1,3,5-Trimethylbenzene		0.46 J	0.80	0.32	ppbv	TO-15
Tertiary Butyl Alcohol		13.1	0.80	0.37	ppbv	TO-15
Tetrachloroethylene		0.98	0.16	0.056	ppbv	TO-15
Tetrahydrofuran		2.0	0.80	0.36	ppbv	TO-15
Toluene		5.5	0.80	0.23	ppbv	TO-15
Trichlorofluoromethane		61.9	0.40	0.14	ppbv	TO-15
m,p-Xylene		4.6	0.80	0.56	ppbv	TO-15
o-Xylene		1.9	0.80	0.31	ppbv	TO-15
Xylenes (total)		6.5	0.80	0.31	ppbv	TO-15
Acetone (2-Propanone)		165	1.9	1.4	ug/m3	TO-15
Benzene		22	2.6	0.80	ug/m3	TO-15
Carbon disulfide		61.0	2.5	0.56	ug/m3	TO-15
Chloroform		4.6	3.9	0.73	ug/m3	TO-15
Chloromethane		2.5	1.7	0.74	ug/m3	TO-15
Cyclohexane		10	2.8	1.5	ug/m3	TO-15
Dichlorodifluoromethane		2.2 J	4.0	0.64	ug/m3	TO-15
m-Dichlorobenzene		6.6	2.4	0.96	ug/m3	TO-15
Ethanol		76.1	3.8	3.0	ug/m3	TO-15
Ethylbenzene		5.6	3.5	1.0	ug/m3	TO-15
Ethyl Acetate		12	2.9	1.5	ug/m3	TO-15
4-Ethyltoluene		1.9 J	3.9	1.9	ug/m3	TO-15
Freon 114		3.4	2.8	1.4	ug/m3	TO-15
Heptane		7.0	3.3	1.5	ug/m3	TO-15
Hexane		13	2.8	1.6	ug/m3	TO-15
2-Hexanone		4.9	3.3	2.4	ug/m3	TO-15
Isopropyl Alcohol		1130 E	2.0	1.4	ug/m3	TO-15
Methylene chloride		2.8	2.8	0.76	ug/m3	TO-15
Methyl ethyl ketone		20	2.4	1.3	ug/m3	TO-15
Methyl Isobutyl Ketone		32	3.3	1.2	ug/m3	TO-15
Methylmethacrylate		1.6 J	3.3	1.1	ug/m3	TO-15
Propylene		179	3.4	0.98	ug/m3	TO-15
1,1,1-Trichloroethane		11	2.2	0.82	ug/m3	TO-15
1,2,4-Trimethylbenzene		7.4	3.9	1.7	ug/m3	TO-15
1,3,5-Trimethylbenzene		2.3 J	3.9	1.6	ug/m3	TO-15
Tertiary Butyl Alcohol		39.7	2.4	1.1	ug/m3	TO-15
Tetrachloroethylene		6.6	1.1	0.38	ug/m3	TO-15
Tetrahydrofuran		5.9	2.4	1.1	ug/m3	TO-15
Toluene		21	3.0	0.87	ug/m3	TO-15
Trichlorofluoromethane		348	2.2	0.79	ug/m3	TO-15
m,p-Xylene		20	3.5	2.4	ug/m3	TO-15
o-Xylene		8.3	3.5	1.3	ug/m3	TO-15
Xylenes (total)		28	3.5	1.3	ug/m3	TO-15



## Summary of Hits

**Job Number:** JD46395  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**JD46395-4      AA-1**

Acetone (2-Propanone)	7.0	0.16	0.12	ppbv	TO-15
Benzene	0.15 J	0.16	0.050	ppbv	TO-15
Chloromethane	0.62	0.16	0.072	ppbv	TO-15
Carbon tetrachloride	0.081	0.032	0.032	ppbv	TO-15
Dichlorodifluoromethane	0.31	0.16	0.026	ppbv	TO-15
Ethanol	10.8	0.40	0.32	ppbv	TO-15
Ethyl Acetate	2.9	0.16	0.083	ppbv	TO-15
Heptane <sup>a</sup>	0.15 J	0.16	0.074	ppbv	TO-15
Hexane	0.18	0.16	0.090	ppbv	TO-15
2-Hexanone	0.85	0.16	0.12	ppbv	TO-15
Isopropyl Alcohol	0.75	0.16	0.11	ppbv	TO-15
Methylene chloride	0.42	0.16	0.045	ppbv	TO-15
Methyl ethyl ketone	1.8	0.16	0.088	ppbv	TO-15
Methyl Isobutyl Ketone	0.31	0.16	0.058	ppbv	TO-15
Propylene	0.68	0.40	0.11	ppbv	TO-15
1,2,4-Trimethylbenzene	0.078 J	0.16	0.070	ppbv	TO-15
2,2,4-Trimethylpentane	0.12 J	0.16	0.076	ppbv	TO-15
Tertiary Butyl Alcohol	0.10 J	0.16	0.074	ppbv	TO-15
Tetrachloroethylene	0.051	0.032	0.011	ppbv	TO-15
Tetrahydrofuran	0.90	0.16	0.072	ppbv	TO-15
Toluene	0.32	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane	0.28	0.080	0.029	ppbv	TO-15
Vinyl Acetate	1.2	0.16	0.090	ppbv	TO-15
m,p-Xylene	0.22	0.16	0.11	ppbv	TO-15
Xylenes (total)	0.22	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)	17	0.38	0.29	ug/m3	TO-15
Benzene	0.48 J	0.51	0.16	ug/m3	TO-15
Chloromethane	1.3	0.33	0.15	ug/m3	TO-15
Carbon tetrachloride	0.51	0.20	0.20	ug/m3	TO-15
Dichlorodifluoromethane	1.5	0.79	0.13	ug/m3	TO-15
Ethanol	20.3	0.75	0.60	ug/m3	TO-15
Ethyl Acetate	10	0.58	0.30	ug/m3	TO-15
Heptane <sup>a</sup>	0.61 J	0.66	0.30	ug/m3	TO-15
Hexane	0.63	0.56	0.32	ug/m3	TO-15
2-Hexanone	3.5	0.65	0.49	ug/m3	TO-15
Isopropyl Alcohol	1.8	0.39	0.27	ug/m3	TO-15
Methylene chloride	1.5	0.56	0.16	ug/m3	TO-15
Methyl ethyl ketone	5.3	0.47	0.26	ug/m3	TO-15
Methyl Isobutyl Ketone	1.3	0.66	0.24	ug/m3	TO-15
Propylene	1.2	0.69	0.19	ug/m3	TO-15
1,2,4-Trimethylbenzene	0.38 J	0.79	0.34	ug/m3	TO-15
2,2,4-Trimethylpentane	0.56 J	0.75	0.35	ug/m3	TO-15
Tertiary Butyl Alcohol	0.30 J	0.49	0.22	ug/m3	TO-15

## Summary of Hits

**Job Number:** JD46395  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
		0.35	0.22	0.075	ug/m3	TO-15
		2.7	0.47	0.21	ug/m3	TO-15
		1.2	0.60	0.17	ug/m3	TO-15
		1.6	0.45	0.16	ug/m3	TO-15
		4.2	0.56	0.32	ug/m3	TO-15
		0.96	0.69	0.48	ug/m3	TO-15
		0.96	0.69	0.27	ug/m3	TO-15

(a) This compound in blank spike is outside in house QC limits bias high.

Sample Results

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Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b> VP-7		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-1		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Soil Vapor Comp. Summa ID: M113		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W59938.D	1	06/13/22 22:00	TCH	n/a	n/a	V2W2661
Run #2	3W76512.D	1	06/16/22 17:29	TCH	n/a	n/a	V3W3010

Run #	Initial Volume
Run #1	400 ml
Run #2	100 ml

## VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	80.0 <sup>a</sup>	0.80	0.58	ppbv		190 <sup>a</sup>	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	3.2	0.20	0.062	ppbv		10	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.24	0.20	0.090	ppbv		0.50	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	1.7	0.20	0.11	ppbv		5.9	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.63	0.10	0.040	ppbv		3.8	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> VP-7		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-1		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Soil Vapor Comp. Summa ID: M113		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

## VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	90.1 <sup>a</sup>	2.0	1.6	ppbv		170 <sup>a</sup>	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	1.3	0.20	0.061	ppbv		5.6	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	17.4	0.20	0.10	ppbv		62.6	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.47	0.20	0.095	ppbv		2.3	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	0.19	0.10	0.050	ppbv		1.3	0.70	0.35	ug/m3
142-82-5	100.2	Heptane <sup>b</sup>	29.9	0.20	0.092	ppbv		123	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	36.6	0.20	0.11	ppbv		129	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.3	0.20	0.14	ppbv		15	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.69	0.20	0.056	ppbv		2.4	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	9.6	0.20	0.073	ppbv		39	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	1.9	0.20	0.087	ppbv		9.3	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.50	0.20	0.080	ppbv		2.5	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	11.8	0.20	0.095	ppbv		55.1	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	3.9	0.20	0.093	ppbv		12	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.3	0.040	0.014	ppbv		8.8	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	2.1	0.20	0.090	ppbv		6.2	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	5.7	0.20	0.057	ppbv		21	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.10	0.040	0.019	ppbv		0.54	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	77.1 <sup>a</sup>	0.40	0.14	ppbv		433 <sup>a</sup>	2.2	0.79	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	4.8	0.20	0.14	ppbv		21	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	1.7	0.20	0.077	ppbv		7.4	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	6.5	0.20	0.077	ppbv		28	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%	109%	65-128%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.1  
4

## Report of Analysis

<b>Client Sample ID:</b> VP-7		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-1		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Soil Vapor Comp. Summa ID: M113		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

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**VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
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- (a) Result is from Run# 2
- (b) This compound in blank spike is outside in house QC limits bias high.

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ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> VP-8		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-2		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Soil Vapor Comp. Summa ID: A635		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W59939.D	1	06/13/22 22:42	TCH	n/a	n/a	V2W2661
Run #2	3W76513.D	1	06/16/22 18:10	TCH	n/a	n/a	V3W3010

Run #	Initial Volume
Run #1	400 ml
Run #2	100 ml

## VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	123 <sup>a</sup>	0.80	0.58	ppbv		292 <sup>a</sup>	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	1.2	0.20	0.084	ppbv		2.7	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	6.1	0.20	0.062	ppbv		19	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.64	0.20	0.045	ppbv		2.0	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	0.50	0.20	0.037	ppbv		2.4	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane	0.62	0.20	0.090	ppbv		1.3	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.096	0.040	0.040	ppbv		0.60	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	1.5	0.10	0.040	ppbv		9.0	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> VP-8		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-2		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Soil Vapor Comp. Summa ID: A635		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

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## VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	1.3	0.20	0.061	ppbv		5.6	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	9.2	0.20	0.10	ppbv		33	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.47	0.20	0.095	ppbv		2.3	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane <sup>b</sup>	1.3	0.20	0.092	ppbv		5.3	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	7.4	0.20	0.11	ppbv		22	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	11.6	0.20	0.073	ppbv		47.5	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	1.9	0.20	0.087	ppbv		9.3	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.55	0.20	0.080	ppbv		2.7	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	2.7	0.20	0.095	ppbv		13	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.0	0.040	0.014	ppbv		6.8	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	4.8	0.20	0.090	ppbv		14	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	3.9	0.20	0.057	ppbv		15	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.088	0.040	0.019	ppbv		0.47	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.9	0.10	0.036	ppbv		11	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	5.7	0.20	0.14	ppbv		25	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	2.5	0.20	0.077	ppbv		11	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	8.2	0.20	0.077	ppbv		36	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%	112%	65-128%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> VP-8		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-2		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Soil Vapor Comp. Summa ID: A635		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

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**VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
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- (a) Result is from Run# 2
- (b) This compound in blank spike is outside in house QC limits bias high.

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ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> VP-9		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-3		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Soil Vapor Comp. Summa ID: A364		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	2W59960.D	1	06/14/22 17:13	TCH	n/a	n/a	V2W2662

Run #1	Initial Volume
Run #2	100 ml

## VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	69.4	0.80	0.58	ppbv		165	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	6.9	0.80	0.25	ppbv		22	2.6	0.80	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride <sup>a</sup>	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	19.6	0.80	0.18	ppbv		61.0	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	0.95	0.80	0.15	ppbv		4.6	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	1.2	0.80	0.36	ppbv		2.5	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	3.0	0.80	0.44	ppbv		10	2.8	1.5	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.39	ppbv		ND	3.1	3.0	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.47	ppbv		ND	2.9	1.7	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.44	0.80	0.13	ppbv	J	2.2	4.0	0.64	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.16	0.31	ppbv		ND	0.63	1.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	1.1	0.40	0.16	ppbv		6.6	2.4	0.96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.62	ppbv		ND	0.96	3.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.76	ppbv		ND	2.4	4.6	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	ug/m3

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> VP-9		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-3		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Soil Vapor Comp. Summa ID: A364		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

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## VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	40.4	2.0	1.6	ppbv		76.1	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	1.3	0.80	0.24	ppbv		5.6	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	3.4	0.80	0.42	ppbv		12	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.39	0.80	0.38	ppbv	J	1.9	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	0.48	0.40	0.20	ppbv		3.4	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	1.7	0.80	0.37	ppbv		7.0	3.3	1.5	ug/m3
87-68-3	260.8	Hexachlorobutadiene <sup>a</sup>	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	3.7	0.80	0.45	ppbv		13	2.8	1.6	ug/m3
591-78-6	100	2-Hexanone	1.2	0.80	0.58	ppbv		4.9	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	458	0.80	0.56	ppbv	E	1130	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	0.81	0.80	0.22	ppbv		2.8	2.8	0.76	ug/m3
78-93-3	72.11	Methyl ethyl ketone	6.7	0.80	0.44	ppbv		20	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	7.8	0.80	0.29	ppbv		32	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	0.39	0.80	0.28	ppbv	J	1.6	3.3	1.1	ug/m3
115-07-1	42	Propylene	104	2.0	0.57	ppbv		179	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.47	ppbv		ND	3.4	2.0	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	2.0	0.40	0.15	ppbv		11	2.2	0.82	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	1.5	0.80	0.35	ppbv		7.4	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.46	0.80	0.32	ppbv	J	2.3	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.38	ppbv		ND	3.7	1.8	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	13.1	0.80	0.37	ppbv		39.7	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.98	0.16	0.056	ppbv		6.6	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	2.0	0.80	0.36	ppbv		5.9	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	5.5	0.80	0.23	ppbv		21	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.076	ppbv		ND	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	61.9	0.40	0.14	ppbv		348	2.2	0.79	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	0.28	ppbv		ND	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.45	ppbv		ND	2.8	1.6	ug/m3
	106.2	m,p-Xylene	4.6	0.80	0.56	ppbv		20	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	1.9	0.80	0.31	ppbv		8.3	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	6.5	0.80	0.31	ppbv		28	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		65-128%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> VP-9		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-3		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Soil Vapor Comp. Summa ID: A364		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

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**VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
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(a) This compound in blank spike is outside in house QC limits bias high.

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ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> AA-1		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-4		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Ambient Air Comp. Summa ID: M139		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	2W59941.D	1.58	06/14/22 00:12	TCH	n/a	n/a	V2W2661

Run #1	Initial Volume
Run #2	790 ml

## VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	7.0	0.16	0.12	ppbv		17	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.15	0.16	0.050	ppbv	J	0.48	0.51	0.16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane	0.62	0.16	0.072	ppbv		1.3	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.081	0.032	0.032	ppbv		0.51	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.088	ppbv		ND	0.55	0.30	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.078	ppbv		ND	0.61	0.60	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.094	ppbv		ND	0.58	0.34	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.31	0.16	0.026	ppbv		1.5	0.79	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	0.055	ppbv		ND	0.63	0.22	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.062	ppbv		ND	0.13	0.25	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.032	ppbv		ND	0.48	0.19	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.032	0.12	ppbv		ND	0.19	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.080	0.15	ppbv		ND	0.48	0.90	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> AA-1		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-4		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Ambient Air Comp. Summa ID: M139		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

## VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	10.8	0.40	0.32	ppbv		20.3	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	0.049	ppbv		ND	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	2.9	0.16	0.083	ppbv		10	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.076	ppbv		ND	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane <sup>a</sup>	0.15	0.16	0.074	ppbv	J	0.61	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	0.18	0.16	0.090	ppbv		0.63	0.56	0.32	ug/m3
591-78-6	100	2-Hexanone	0.85	0.16	0.12	ppbv		3.5	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.75	0.16	0.11	ppbv		1.8	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.42	0.16	0.045	ppbv		1.5	0.56	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.8	0.16	0.088	ppbv		5.3	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.31	0.16	0.058	ppbv		1.3	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene	0.68	0.40	0.11	ppbv		1.2	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.094	ppbv		ND	0.68	0.40	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.078	0.16	0.070	ppbv	J	0.38	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.12	0.16	0.076	ppbv	J	0.56	0.75	0.35	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.10	0.16	0.074	ppbv	J	0.30	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.051	0.032	0.011	ppbv		0.35	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.90	0.16	0.072	ppbv		2.7	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	0.32	0.16	0.046	ppbv		1.2	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.28	0.080	0.029	ppbv		1.6	0.45	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	1.2	0.16	0.090	ppbv		4.2	0.56	0.32	ug/m3
	106.2	m,p-Xylene	0.22	0.16	0.11	ppbv		0.96	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	0.062	ppbv		ND	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	0.22	0.16	0.062	ppbv		0.96	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		65-128%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.4  
4

## Report of Analysis

<b>Client Sample ID:</b> AA-1		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46395-4		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AIR - Ambient Air Comp. Summa ID: M139		<b>Percent Solids:</b> n/a
<b>Method:</b> TO-15		
<b>Project:</b> 1 Water Street, White Plains, NY		

4.4  
4

**VOA TO15 List**

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
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(a) This compound in blank spike is outside in house QC limits bias high.

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ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log





# CHAIN OF CUSTODY - AIR

FEDEX Tracking # 9622-96  
SGS Quota # JD46395

SGS North America Inc. - Dayton  
TEL: 732-329-0200 FAX: 732-329-3499  
www.sgs.com/usa

**Client / Receiving Information**

Client Name: W. J. ...  
 Street: W. J. ...  
 City: W. J. ...  
 State: ...  
 Zip: ...  
 Project Name: ...  
 Project Number: ...  
 Project Contact: ...  
 Project Email: ...  
 Phone #: ...

**Sampling Equipment Info**

Lab Sample #	Field ID / Point of Collection	Flow Controller Serial #	Canister Size (L or TL)	Canister Serial #	Flow Controller Serial #	Time (24hr clock)	Interior Pressure (Psi)	Sampler Temp (F)	Time (24hr clock)	Interior Pressure (Psi)	Sampler Temp (F)
1	VP-7	647	6	M113	647	6/19/12 8:12	-28.8	11.7	6/19/12 10:0	-5	14.4
2	VP-8	647	6	F304	647	9:43	-28.0	11.7	11:30	-6	14.4
3	VP-9	647	6	F304	647	9:55	-27.7	11.7	11:35	-6	14.4
4	AA-1	647	6	M129	647	8:15	-28.5	11.7	9:51	-5	14.4

**Start Sampling Information**

Start Date: 6/19/12 Start Time: 8:12  
 Stop Date: 6/19/12 Stop Time: 10:00

**Stop Sampling Information**

Stop Date: 6/19/12 Stop Time: 10:00  
 Interior Pressure (Psi): -5  
 Sampler Temp (F): 14.4

**Comments / Remarks**

Initial Assessment - 48 Day  
Sample inventory maintained upon receipt in the Laboratory

**Transportation Information**

Approved By: [Signature] Date: 6/19/12  
 Approved By: [Signature] Date: 6/19/12

**Received By:** [Signature] Date / Time: 6/19/12  
 Received By: [Signature] Date / Time: 6/19/12

JD46395: Chain of Custody  
Page 1 of 2



## SGS Sample Receipt Summary

Job Number: JD46395

Client: SESI CONSULTING ENGINEERS

Project: 1 Water Street, White Plains, NY

Date / Time Received: 6/9/2022 6:25:00 PM

Delivery Method: \_\_\_\_\_

Airbill #'s: \_\_\_\_\_

**Cooler Temps (Raw Measured) °C:**

**Cooler Temps (Corrected) °C:**

**Cooler Security**

Y or N

Y or N

- |                           |                                     |                          |                       |                                     |                          |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

Y or N

- |                              |                          |                          |
|------------------------------|--------------------------|--------------------------|
| 1. Temp criteria achieved:   | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | _____ N/A _____          |                          |
| 3. Cooler media:             | _____ N/A _____          |                          |
| 4. No. Coolers:              | _____ N/A _____          |                          |

**Quality Control Preservation**

Y or N

N/A

- |                                 |                                     |                                     |                                     |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. VOCs headspace free:         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**Sample Integrity - Documentation**

Y or N

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

Y or N

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | _____ Intact _____                  |                          |

**Sample Integrity - Instructions**

Y or N

N/A

- |   |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Test Strip Lot #'s:	pH 1-12: <u>231619</u>	pH 12+: <u>203117A</u>	Other: (Specify) _____
---------------------	------------------------	------------------------	------------------------

Comments

SM089-03  
Rev. Date 12/7/17

5.1  
5

# Summa Canister and Flow Controller Log

**Job Number:** JD46395  
**Account:** SESINJPB SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Received:** 06/09/22

SUMMA CANISTERS													
Shipping						Receiving							
Summa ID	Vac L	Date " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M113	6	29.4	06/01/22	ML	CP11705	2W59669.D	JD46395-1	06/10/22	AB	6			1
A635	6	29.4	06/01/22	ML	CP11705	2W59669.D	JD46395-2	06/10/22	AB	7			1
A364	6	29.4	06/01/22	ML	CP11705	2W59669.D	JD46395-3	06/10/22	AB	6.5			1
M139	6	29.4	06/01/22	ML	CP11705	2W59669.D	JD46395-4	06/10/22	AB	9.5		1.1	1.58

FLOW CONTROLLERS / OTHER										
Shipping					Receiving					
Flow Ctrl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type	
FC370	06/01/22	ML	42	2	06/14/22	AB	65	43*	Flow Controller	
FC493	06/01/22	ML	42	2	06/13/22	CB	43	2.4	Flow Controller	
FC794	06/01/22	ML	42	2	06/14/22	AB	43	2.4	Flow Controller	
FC906	06/01/22	ML	41	2	06/13/22	CB	44	7.1	Flow Controller	

\* Flow controller RPD > 20%

**SGS Bottle Order(s):**

MJ-06122-96

**Prep Date**      **Room Temp(F)**      **Bar Pres "Hg**  
 06/01/22      70      29.92

5.2  
5

The results set forth herein are provided by SGS North America Inc.

*e-Hardcopy 2.0*  
*Automated Report*

## Technical Report for

### SESI Consulting Engineers

1 Water Street, White Plains, NY

12392

SGS Job Number: JD46495

Sampling Date: 06/09/22

#### Report to:

SESI Consulting Engineers

chris.malvicini@sesi.org

ATTN: Christopher Malvicini

Total number of pages in report: **89**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A handwritten signature in blue ink, appearing to read 'D. Chastain'.

David Chastain  
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA(68-00408), RI, SC, TX, UT, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.  
Test results relate only to samples analyzed.

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## Sample Summary

SESI Consulting Engineers

**Job No:** JD46495

1 Water Street, White Plains, NY  
 Project No: 12392

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:  
 Organics ND = Not detected above the MDL

JD46495-1A	06/09/22	08:00 MM	06/09/22	AQ	Ground Water	GW-4
JD46495-2	06/09/22	09:00 MM	06/09/22	AQ	Ground Water	GW-5
JD46495-2A	06/09/22	09:00 MM	06/09/22	AQ	Ground Water	GW-5
JD46495-3	06/09/22	10:00 MM	06/09/22	AQ	Ground Water	GW-6
JD46495-3A	06/09/22	10:00 MM	06/09/22	AQ	Ground Water	GW-6
JD46495-4	06/09/22	08:30 MM	06/09/22	SO	Soil	SB-23(4-4.5)
JD46495-5	06/09/22	08:15 MM	06/09/22	SO	Soil	SB-23(11-11.5)
JD46495-6	06/09/22	09:30 MM	06/09/22	SO	Soil	SB-24(2-2.5)
JD46495-7	06/09/22	09:15 MM	06/09/22	SO	Soil	SB-24(10-10.5)
JD46495-8	06/09/22	10:00 MM	06/09/22	AQ	Trip Blank Water	TB

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## CASE NARRATIVE / CONFORMANCE SUMMARY

**Client:** SESI Consulting Engineers

**Job No:** JD46495

**Site:** 1 Water Street, White Plains, NY

**Report Date** 7/1/2022 8:31:56 AM

On 06/09/2022, 7 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. at a maximum corrected temperature of 7.2 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. Job Number of JD46495 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

### MS Volatiles By Method SW846 8260D

<b>Matrix:</b> AQ	<b>Batch ID:</b> V2D8828
-------------------	--------------------------

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD46386-29MS, JD46386-29MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for cis-1,3-Dichloropropene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MS/MSD for Bromochloromethane, Chlorobenzene, cis-1,2-Dichloroethene, Cyclohexane, Methyl Tert Butyl Ether, Toluene, trans-1,2-Dichloroethene are outside control limits. Outside control limits due to matrix interference.
- JD46495-2 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-8 for Carbon disulfide: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-2 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-2 for Carbon disulfide: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-3 for 1,1,2,2-Tetrachloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-3 for 1,1-Dichloroethene: This compound in blank spike is outside in house QC limits bias high.
- JD46495-3 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-2 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-2 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V2D8828-BS for Carbon disulfide: High percent recovery and no associated positive reported in the QC batch.
- JD46495-2 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- V2D8828-BS for 1,1-Dichloroethene: High percent recovery and no associated positive reported in the QC batch.
- JD46495-2 for 1,1,2,2-Tetrachloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-3 for Carbon disulfide: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-2 for 1,1-Dichloroethene: This compound in blank spike is outside in house QC limits bias high.
- JD46495-8 for 1,1,2,2-Tetrachloroethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

## MS Volatiles By Method SW846 8260D

**Matrix:** AQ

**Batch ID:** V2D8828

- JD46495-8 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-3 for 2-Hexanone: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-3 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-3 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-3 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-3 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-2 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-8 for 2-Butanone (MEK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-8 for 4-Methyl-2-pentanone(MIBK): Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-8 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-8 for 1,1-Dichloroethene: This compound in blank spike is outside in house QC limits bias high.
- JD46495-8 for Methyl Acetate: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-8 for 1,2-Dibromo-3-chloropropane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

**Matrix:** SO

**Batch ID:** V3C7744

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD46262-8MS, JD46262-9DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Bromoform are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for Duplicate for Acetone are outside control limits. RPD acceptable due to low DUP and sample concentrations.
- JD46495-7 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-7 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-6 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-7 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-6 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- V3C7744-BS for Bromomethane: High percent recovery and no associated positive reported in the QC batch.
- JD46495-7 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-7 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-7 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- V3C7744-BS for Chloroethane: High percent recovery and no associated positive reported in the QC batch.
- JD46495-4 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

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## MS Volatiles By Method SW846 8260D

**Matrix:** SO

**Batch ID:** V3C7744

- JD46262-8MS for Bromomethane, Chloroethane: Outside in house control limits.
- JD46495-4 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46495-4 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-4 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-4 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-6 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-4 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-5 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46495-5 for Chloroethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-5 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-5 for Chloromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-5 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD46495-6 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD46495-6 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-5 for Bromomethane: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD46495-6 for 1,2,3-Trichlorobenzene: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

## MS Semi-volatiles By Method EPA 537M BY ID

**Matrix:** AQ

**Batch ID:** F:OP91741

- The data for EPA 537M BY ID meets quality control requirements.
- JD46495-3A: Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
- JD46495-2A: Analysis performed at SGS Orlando, FL.
- JD46495-3A: Analysis performed at SGS Orlando, FL.
- JD46495-1A: Analysis performed at SGS Orlando, FL.

## MS Semi-volatiles By Method SW846 8270E

**Matrix:** AQ

**Batch ID:** OP40228

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46357-3MS, JD46357-3MSD were used as the QC samples indicated.
- JD46495-3: Dilution required due to viscosity of the extract matrix.
- JD46495-2: Dilution required due to viscosity of the extract matrix.
- JD46495-3 for Di-n-octyl phthalate: Associated CCV outside of control limits high, sample was ND.
- JD46495-2 for Di-n-octyl phthalate: Associated CCV outside of control limits high, sample was ND.

**Matrix:** SO

**Batch ID:** OP40254

- All samples were extracted within the recommended method holding time.
- Sample(s) JD46349-1MS, JD46349-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 2,4-Dinitrophenol, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.

## MS Semi-volatiles By Method SW846 8270E BY SIM

**Matrix:** AQ

**Batch ID:** OP40228A

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JD46495-2: Dilution required due to viscosity of the extract matrix.

## GC/LC Semi-volatiles By Method SW846 8081B

**Matrix:** AQ

**Batch ID:** OP40289

- All samples were extracted within the recommended method holding time.
- Sample(s) JD46495-2, JD46495-3 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- JD46495-3: Detections could be due to lab contamination. Confirmation run.
- JD46495-2: Detections could be due to lab contamination.
- JD46495-3: Detections could be due to lab contamination.
- JD46495-2 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- OP40289-BS1 for delta-BHC: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

**Matrix:** SO

**Batch ID:** OP40260

- All samples were extracted within the recommended method holding time.
- Sample(s) JD46495-4MS, JD46495-4MSD were used as the QC samples indicated.
- Sample(s) JD46495-4, JD46495-5, JD46495-6, JD46495-7 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- JD46495-6: Detections could be due to lab contamination.
- JD46495-5: Had TBA cleanup. Detections could be due to lab contamination.
- OP40260-MB1: Detection due to lab contamination.
- JD46495-5 for 4,4'-DDE: Associated CCV outside of control limits low.
- JD46495-7 for 4,4'-DDT: This compound outside control limits biased high in the associated BS.
- JD46495-4 for 4,4'-DDT: This compound outside control limits biased high in the associated BS. Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD46495-6 for 4,4'-DDT: This compound outside control limits biased high in the associated BS. Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP40260-BS1 for 4,4'-DDT: Outside of in house control limits due to lab contamination.

## GC/LC Semi-volatiles By Method SW846 8082A

**Matrix:** AQ

**Batch ID:** OP40290

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

**Matrix:** SO

**Batch ID:** OP40261

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46429-1MS, JD46429-1MSD were used as the QC samples indicated.
- OP40261-BS1 for Aroclor 1016: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP40261-BS1 for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

## Metals Analysis By Method SW846 6010D

**Matrix:** AQ

**Batch ID:** MP33445

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46533-3MS, JD46533-3MSD, JD46533-3SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Aluminum, Arsenic, Copper, Potassium, Vanadium are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- Samples(s) JD46495-2, JD46495-3: New York does not offer 3010A certification for antimony and silver. The laboratory is certified for method 3010A (Acid Digestion for Total Metals) for all other metals and is certified for the associated analytical methods of 6010C (ICP Analysis) and 6020A (ICP-MS Analysis). New York does certify for method 3005A (Acid Digestion for Total Recoverable or Dissolved Metals) for antimony and silver and the laboratory holds that certification, but that provides total recoverable rather than total metals results.
- JD46495-3 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD46495-2 for Lead: Elevated detection limit due to dilution required for high interfering element.
- JD46495-2 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JD46495-3 for Lead: Elevated detection limit due to dilution required for high interfering element.
- MP33445-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- JD46495-3 for Selenium: Elevated detection limit due to dilution required for high interfering element.

**Matrix:** SO

**Batch ID:** MP33458

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD46429-1MS, JD46429-1MSD, JD46429-1PS, JD46429-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Lead, Aluminum, Barium, Magnesium, Manganese, Potassium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Lead, Manganese, Copper are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Iron, Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MS/MSD for Calcium, Copper, Iron are outside control limits. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic, Selenium, Thallium, Beryllium are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP33458-SD1 for Iron: Serial dilution indicates possible matrix interference.

## Metals Analysis By Method SW846 7470A

**Matrix:** AQ

**Batch ID:** MP33509

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD45498-1MS, JD45498-1MSD were used as the QC samples for metals.



## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** SGS Dayton, NJ

**Job No:** JD46495

**Site:** SESINJPB: 1 Water Street, White Plains, NY

**Report Date:** 6/30/2022 12:06:10 PM

On 06/17/2022, 3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 4 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of JD46495 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

### MS Semi-volatiles By Method EPA 537M BY ID

**Matrix:** AQ

**Batch ID:** OP91741

Sample(s) JD46582-2AMS, JD46582-4ADUP were used as the QC samples indicated.

Sample(s) JD46495-3A have surrogates outside control limits.

JD46495-3A: Dilution required due to matrix interference (ID recovery standard failure).

JD46495-3A for 13C8-FOSA: Outside control limits.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

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Kim Benham, Client Services (*Signature on File*)

## Summary of Hits

**Job Number:** JD46495  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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### JD46495-1A GW-4

Perfluorobutanoic acid <sup>a</sup>	6.8	4.3	2.2	ng/l	EPA 537M BY ID
Perfluoropentanoic acid <sup>a</sup>	4.2	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorohexanoic acid <sup>a</sup>	4.1	2.2	1.1	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid <sup>a</sup>	3.9	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorooctanoic acid <sup>a</sup>	16.1	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid <sup>a</sup>	1.6 J	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid <sup>a</sup>	1.9 J	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid <sup>a</sup>	5.6	2.2	1.1	ng/l	EPA 537M BY ID

### JD46495-2 GW-5

Acenaphthene <sup>b</sup>	7.5	5.0	0.96	ug/l	SW846 8270E
Acenaphthylene <sup>b</sup>	2.6 J	5.0	0.68	ug/l	SW846 8270E
Anthracene <sup>b</sup>	15.3	5.0	1.1	ug/l	SW846 8270E
Benzo(a)anthracene <sup>b</sup>	40.3	5.0	1.0	ug/l	SW846 8270E
Benzo(a)pyrene <sup>b</sup>	34.2	5.0	1.1	ug/l	SW846 8270E
Benzo(b)fluoranthene <sup>b</sup>	37.5	5.0	1.0	ug/l	SW846 8270E
Benzo(g,h,i)perylene <sup>b</sup>	19.6	5.0	1.7	ug/l	SW846 8270E
Benzo(k)fluoranthene <sup>b</sup>	12.8	5.0	1.0	ug/l	SW846 8270E
1,1'-Biphenyl <sup>b</sup>	1.2 J	5.0	1.1	ug/l	SW846 8270E
Carbazole <sup>b</sup>	3.6 J	5.0	1.1	ug/l	SW846 8270E
Chrysene <sup>b</sup>	40.5	5.0	0.88	ug/l	SW846 8270E
1,4-Dioxane <sup>b</sup>	4.1 J	5.0	3.3	ug/l	SW846 8270E
Dibenzo(a,h)anthracene <sup>b</sup>	5.7	5.0	1.7	ug/l	SW846 8270E
Dibenzofuran <sup>b</sup>	3.2 J	25	1.1	ug/l	SW846 8270E
Diethyl phthalate <sup>b</sup>	1.9 J	10	1.3	ug/l	SW846 8270E
Fluoranthene <sup>b</sup>	69.2	5.0	0.85	ug/l	SW846 8270E
Fluorene <sup>b</sup>	7.5	5.0	0.86	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene <sup>b</sup>	19.5	5.0	1.7	ug/l	SW846 8270E
Naphthalene <sup>b</sup>	1.6 J	5.0	1.2	ug/l	SW846 8270E
Phenanthrene <sup>b</sup>	61.2	5.0	0.88	ug/l	SW846 8270E
Pyrene <sup>b</sup>	83.8	5.0	1.1	ug/l	SW846 8270E
1,4-Dioxane <sup>b</sup>	3.09	0.50	0.25	ug/l	SW846 8270E BY SIM
Total TIC, Semi-Volatile	116 J			ug/l	
4,4'-DDT <sup>c</sup>	0.055 B	0.0048	0.0033	ug/l	SW846 8081B
Aluminum	83300	200		ug/l	SW846 6010D
Arsenic <sup>d</sup>	20.1	15		ug/l	SW846 6010D
Barium	1060	200		ug/l	SW846 6010D
Beryllium	3.6	1.0		ug/l	SW846 6010D
Calcium	220000	25000		ug/l	SW846 6010D
Chromium	112	10		ug/l	SW846 6010D
Cobalt	86.1	50		ug/l	SW846 6010D
Copper	182	10		ug/l	SW846 6010D

## Summary of Hits

**Job Number:** JD46495  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Iron		106000	100		ug/l	SW846 6010D
Lead <sup>d</sup>		91.6	15		ug/l	SW846 6010D
Magnesium		65600	5000		ug/l	SW846 6010D
Manganese		4540	15		ug/l	SW846 6010D
Mercury		0.81	0.20		ug/l	SW846 7470A
Nickel		114	10		ug/l	SW846 6010D
Potassium		29400	10000		ug/l	SW846 6010D
Sodium		458000	50000		ug/l	SW846 6010D
Vanadium		158	50		ug/l	SW846 6010D
Zinc		346	20		ug/l	SW846 6010D

### JD46495-2A GW-5

Perfluorobutanoic acid <sup>a</sup>	6.2	4.3	2.2	ng/l	EPA 537M BY ID
Perfluoropentanoic acid <sup>a</sup>	7.4	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorohexanoic acid <sup>a</sup>	6.5	2.2	1.1	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid <sup>a</sup>	6.1	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorooctanoic acid <sup>a</sup>	21.9	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorononanoic acid <sup>a</sup>	10.2	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid <sup>a</sup>	7.1	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid <sup>a</sup>	3.3	2.2	1.1	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid <sup>a</sup>	38.9	2.2	1.1	ng/l	EPA 537M BY ID

### JD46495-3 GW-6

Acetone	4.3 J	10	3.1	ug/l	SW846 8260D
Benzo(a)anthracene <sup>b</sup>	2.5 J	5.0	1.0	ug/l	SW846 8270E
Benzo(a)pyrene <sup>b</sup>	2.5 J	5.0	1.1	ug/l	SW846 8270E
Benzo(b)fluoranthene <sup>b</sup>	2.9 J	5.0	1.0	ug/l	SW846 8270E
Benzo(g,h,i)perylene <sup>b</sup>	1.9 J	5.0	1.7	ug/l	SW846 8270E
Chrysene <sup>b</sup>	2.1 J	5.0	0.88	ug/l	SW846 8270E
Fluoranthene <sup>b</sup>	3.1 J	5.0	0.85	ug/l	SW846 8270E
Indeno(1,2,3-cd)pyrene <sup>b</sup>	1.8 J	5.0	1.7	ug/l	SW846 8270E
Phenanthrene <sup>b</sup>	1.3 J	5.0	0.88	ug/l	SW846 8270E
Pyrene <sup>b</sup>	3.1 J	5.0	1.1	ug/l	SW846 8270E
Total TIC, Semi-Volatile	60 J			ug/l	
Dieldrin <sup>e</sup>	0.022 J	0.025	0.019	ug/l	SW846 8081B
4,4'-DDT <sup>e</sup>	0.036 B	0.025	0.017	ug/l	SW846 8081B
Aluminum	88000	200		ug/l	SW846 6010D
Arsenic <sup>d</sup>	23.2	15		ug/l	SW846 6010D
Barium	1860	200		ug/l	SW846 6010D
Beryllium	3.0	1.0		ug/l	SW846 6010D
Cadmium	4.7	3.0		ug/l	SW846 6010D
Calcium	198000	5000		ug/l	SW846 6010D
Chromium	107	10		ug/l	SW846 6010D



## Summary of Hits

**Job Number:** JD46495  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Cobalt		116	50		ug/l	SW846 6010D
Copper		191	10		ug/l	SW846 6010D
Iron		98600	100		ug/l	SW846 6010D
Lead <sup>d</sup>		509	15		ug/l	SW846 6010D
Magnesium		46200	5000		ug/l	SW846 6010D
Manganese		9130	75		ug/l	SW846 6010D
Mercury		1.8	0.20		ug/l	SW846 7470A
Nickel		102	10		ug/l	SW846 6010D
Potassium		19500	10000		ug/l	SW846 6010D
Sodium		108000	10000		ug/l	SW846 6010D
Vanadium		158	50		ug/l	SW846 6010D
Zinc		560	20		ug/l	SW846 6010D
Cyanide		0.016	0.010		mg/l	EPA 335.4/LACHAT

### JD46495-3A GW-6

Perfluorobutanoic acid <sup>a</sup>	6.9	4.5	2.3	ng/l	EPA 537M BY ID
Perfluoropentanoic acid <sup>a</sup>	6.5	2.3	1.1	ng/l	EPA 537M BY ID
Perfluorohexanoic acid <sup>a</sup>	5.3	2.3	1.1	ng/l	EPA 537M BY ID
Perfluoroheptanoic acid <sup>a</sup>	6.1	2.3	1.1	ng/l	EPA 537M BY ID
Perfluorooctanoic acid <sup>a</sup>	22.4	2.3	1.1	ng/l	EPA 537M BY ID
Perfluorononanoic acid <sup>a</sup>	2.1 J	2.3	1.1	ng/l	EPA 537M BY ID
Perfluorobutanesulfonic acid <sup>a</sup>	5.5	2.3	1.1	ng/l	EPA 537M BY ID
Perfluorohexanesulfonic acid <sup>a</sup>	2.0 J	2.3	1.1	ng/l	EPA 537M BY ID
Perfluorooctanesulfonic acid <sup>a</sup>	17.9	2.3	1.1	ng/l	EPA 537M BY ID
6:2 Fluorotelomer sulfonate <sup>a</sup>	5.9 J	9.1	2.3	ng/l	EPA 537M BY ID

### JD46495-4 SB-23(4-4.5)

Acetone	11.3	11	4.5	ug/kg	SW846 8260D
Acenaphthylene	54.0	35	18	ug/kg	SW846 8270E
Anthracene	32.6 J	35	22	ug/kg	SW846 8270E
Benzo(a)anthracene	110	35	10	ug/kg	SW846 8270E
Benzo(a)pyrene	131	35	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene	181	35	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	87.2	35	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene	59.7	35	16	ug/kg	SW846 8270E
Carbazole	10.2 J	70	5.1	ug/kg	SW846 8270E
Chrysene	121	35	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene	28.5 J	35	16	ug/kg	SW846 8270E
Fluoranthene	125	35	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	118	35	17	ug/kg	SW846 8270E
2-Methylnaphthalene	12.4 J	35	8.0	ug/kg	SW846 8270E
Naphthalene	14.7 J	35	9.9	ug/kg	SW846 8270E
Phenanthrene	44.3	35	12	ug/kg	SW846 8270E

## Summary of Hits

**Job Number:** JD46495  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Pyrene		160	35	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		1510 J			ug/kg	
4,4'-DDT <sup>f</sup>		16.1 B	0.66	0.58	ug/kg	SW846 8081B
Aluminum		11500	52		mg/kg	SW846 6010D
Arsenic		2.5	2.1		mg/kg	SW846 6010D
Barium		100	21		mg/kg	SW846 6010D
Beryllium		0.45	0.21		mg/kg	SW846 6010D
Calcium		4370	520		mg/kg	SW846 6010D
Chromium		19.6	1.0		mg/kg	SW846 6010D
Cobalt		7.3	5.2		mg/kg	SW846 6010D
Copper		33.6	2.6		mg/kg	SW846 6010D
Iron		17000	52		mg/kg	SW846 6010D
Lead		188	2.1		mg/kg	SW846 6010D
Magnesium		4580	520		mg/kg	SW846 6010D
Manganese		336	1.6		mg/kg	SW846 6010D
Mercury		0.31	0.031		mg/kg	SW846 7471B
Nickel		13.9	4.2		mg/kg	SW846 6010D
Potassium		1770	1000		mg/kg	SW846 6010D
Silver		0.73	0.52		mg/kg	SW846 6010D
Vanadium		28.7	5.2		mg/kg	SW846 6010D
Zinc		107	10		mg/kg	SW846 6010D

**JD46495-5      SB-23(11-11.5)**

Acetone		51.2	16	6.8	ug/kg	SW846 8260D
2-Butanone (MEK)		10.1 J	16	4.0	ug/kg	SW846 8260D
Total TIC, Semi-Volatile		12900 J			ug/kg	
4,4'-DDT <sup>g</sup>		18.9 B	1.0	0.88	ug/kg	SW846 8081B
Aluminum		26000	77		mg/kg	SW846 6010D
Arsenic		3.5	3.1		mg/kg	SW846 6010D
Barium		173	31		mg/kg	SW846 6010D
Beryllium		0.94	0.31		mg/kg	SW846 6010D
Calcium		3110	770		mg/kg	SW846 6010D
Chromium		36.7	1.5		mg/kg	SW846 6010D
Cobalt		10.5	7.7		mg/kg	SW846 6010D
Copper		12.0	3.8		mg/kg	SW846 6010D
Iron		18700	77		mg/kg	SW846 6010D
Lead		9.5	3.1		mg/kg	SW846 6010D
Magnesium		5020	770		mg/kg	SW846 6010D
Manganese		237	2.3		mg/kg	SW846 6010D
Mercury		0.054	0.039		mg/kg	SW846 7471B
Nickel		21.1	6.1		mg/kg	SW846 6010D
Sodium		1640	1500		mg/kg	SW846 6010D
Vanadium		39.6	7.7		mg/kg	SW846 6010D
Zinc		73.6	15		mg/kg	SW846 6010D

## Summary of Hits

**Job Number:** JD46495  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**JD46495-6**      **SB-24(2-2.5)**

Acetone	5.1 J	10	4.2	ug/kg	SW846 8260D
Acenaphthylene	117	35	18	ug/kg	SW846 8270E
Anthracene	59.1	35	22	ug/kg	SW846 8270E
Benzo(a)anthracene	204	35	10	ug/kg	SW846 8270E
Benzo(a)pyrene	234	35	16	ug/kg	SW846 8270E
Benzo(b)fluoranthene	308	35	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene	209	35	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene	102	35	17	ug/kg	SW846 8270E
Carbazole	19.4 J	71	5.1	ug/kg	SW846 8270E
Chrysene	234	35	11	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene	53.0	35	16	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	14.7 J	71	8.3	ug/kg	SW846 8270E
Fluoranthene	303	35	16	ug/kg	SW846 8270E
Fluorene	19.4 J	35	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	207	35	17	ug/kg	SW846 8270E
2-Methylnaphthalene	21.2 J	35	8.0	ug/kg	SW846 8270E
Naphthalene	37.3	35	10	ug/kg	SW846 8270E
Phenanthrene	133	35	12	ug/kg	SW846 8270E
Pyrene	349	35	11	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	2640 J			ug/kg	
4,4'-DDT <sup>f</sup>	12.3 B	0.70	0.62	ug/kg	SW846 8081B
4,4'-DDT <sup>e</sup>	11.6 B	3.5	3.1	ug/kg	SW846 8081B
Aluminum	11600	55		mg/kg	SW846 6010D
Arsenic	2.9	2.2		mg/kg	SW846 6010D
Barium	64.1	22		mg/kg	SW846 6010D
Beryllium	0.46	0.22		mg/kg	SW846 6010D
Calcium	5030	550		mg/kg	SW846 6010D
Chromium	21.0	1.1		mg/kg	SW846 6010D
Cobalt	7.5	5.5		mg/kg	SW846 6010D
Copper	36.9	2.8		mg/kg	SW846 6010D
Iron	16700	55		mg/kg	SW846 6010D
Lead	57.7	2.2		mg/kg	SW846 6010D
Magnesium	4530	550		mg/kg	SW846 6010D
Manganese	292	1.7		mg/kg	SW846 6010D
Mercury	0.47	0.033		mg/kg	SW846 7471B
Nickel	14.7	4.4		mg/kg	SW846 6010D
Potassium	1670	1100		mg/kg	SW846 6010D
Vanadium	26.5	5.5		mg/kg	SW846 6010D
Zinc	52.1	11		mg/kg	SW846 6010D
Cyanide	0.30	0.25		mg/kg	SW846 9012B/LACHAT

## Summary of Hits

**Job Number:** JD46495  
**Account:** SESI Consulting Engineers  
**Project:** 1 Water Street, White Plains, NY  
**Collected:** 06/09/22



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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**JD46495-7 SB-24(10-10.5)**

Acetone	9.0 J	13	5.3	ug/kg	SW846 8260D
Total TIC, Semi-Volatile	270 J			ug/kg	
4,4'-DDD	0.69	0.67	0.62	ug/kg	SW846 8081B
4,4'-DDT <sup>h</sup>	9.7 B	0.67	0.60	ug/kg	SW846 8081B
Aluminum	5710	51		mg/kg	SW846 6010D
Barium	32.2	20		mg/kg	SW846 6010D
Beryllium	0.25	0.20		mg/kg	SW846 6010D
Calcium	767	510		mg/kg	SW846 6010D
Chromium	8.7	1.0		mg/kg	SW846 6010D
Copper	8.4	2.5		mg/kg	SW846 6010D
Iron	8030	51		mg/kg	SW846 6010D
Lead	2.3	2.0		mg/kg	SW846 6010D
Magnesium	2550	510		mg/kg	SW846 6010D
Manganese	175	1.5		mg/kg	SW846 6010D
Nickel	8.5	4.1		mg/kg	SW846 6010D
Potassium	1410	1000		mg/kg	SW846 6010D
Vanadium	11.6	5.1		mg/kg	SW846 6010D
Zinc	21.6	10		mg/kg	SW846 6010D

**JD46495-8 TB**

No hits reported in this sample.

- (a) Analysis performed at SGS Orlando, FL.
- (b) Dilution required due to viscosity of the extract matrix.
- (c) Detections could be due to lab contamination. More than 40 % RPD for detected concentrations between the two GC columns.
- (d) Elevated detection limit due to dilution required for high interfering element.
- (e) Detections could be due to lab contamination.
- (f) This compound outside control limits biased high in the associated BS. Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- (g) Had TBA cleanup. Detections could be due to lab contamination.
- (h) This compound outside control limits biased high in the associated BS.

Sample Results

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Report of Analysis

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## Report of Analysis

<b>Client Sample ID:</b> GW-4		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-1A		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 537M BY ID EPA 537 MOD		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	3Q61824.D	1	06/23/22 13:22	AFL	06/21/22 09:00	F:OP91741	F:S3Q844
Run #2							

Run #	Initial Volume	Final Volume
Run #1	230 ml	1.0 ml
Run #2		

## PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
<b>PERFLUOROALKYL CARBOXYLIC ACIDS</b>						
375-22-4	Perfluorobutanoic acid	6.8	4.3	2.2	ng/l	
2706-90-3	Perfluoropentanoic acid	4.2	2.2	1.1	ng/l	
307-24-4	Perfluorohexanoic acid	4.1	2.2	1.1	ng/l	
375-85-9	Perfluoroheptanoic acid	3.9	2.2	1.1	ng/l	
335-67-1	Perfluorooctanoic acid	16.1	2.2	1.1	ng/l	
375-95-1	Perfluorononanoic acid	ND	2.2	1.1	ng/l	
335-76-2	Perfluorodecanoic acid	ND	2.2	1.1	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	2.2	1.1	ng/l	
307-55-1	Perfluorododecanoic acid	ND	2.2	1.1	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	2.2	1.1	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	2.2	1.1	ng/l	
<b>PERFLUOROALKYL SULFONIC ACIDS</b>						
375-73-5	Perfluorobutanesulfonic acid	1.6	2.2	1.1	ng/l	J
355-46-4	Perfluorohexanesulfonic acid	1.9	2.2	1.1	ng/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	2.2	1.1	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	5.6	2.2	1.1	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	2.2	1.1	ng/l	
<b>PERFLUORO OCTANESULFONAMIDES</b>						
754-91-6	PFOSA	ND	4.3	2.2	ng/l	
<b>PERFLUORO OCTANESULFONAMIDOACETIC ACIDS</b>						
2355-31-9	MeFOSAA	ND	4.3	2.2	ng/l	
2991-50-6	EtFOSAA	ND	4.3	2.2	ng/l	
<b>FLUOROTELOMER SULFONATES</b>						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	8.7	2.2	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	8.7	2.2	ng/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-4 <b>Lab Sample ID:</b> JD46495-1A <b>Matrix:</b> AQ - Ground Water <b>Method:</b> EPA 537M BY ID EPA 537 MOD <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/09/22 <b>Date Received:</b> 06/09/22 <b>Percent Solids:</b> n/a
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**PFAS List**

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	84%		35-135%
	13C5-PFPeA	72%		50-150%
	13C5-PFHxA	67%		50-150%
	13C4-PFHpA	74%		50-150%
	13C8-PFOA	79%		50-150%
	13C9-PFNA	68%		50-150%
	13C6-PFDA	83%		50-150%
	13C7-PFUnDA	89%		40-140%
	13C2-PFDoDA	83%		40-140%
	13C2-PFTeDA	79%		30-130%
	13C3-PFBS	74%		50-150%
	13C3-PFHxS	84%		50-150%
	13C8-PFOS	70%		50-150%
	13C8-FOSA	30%		30-130%
	d3-MeFOSAA	98%		40-140%
	d5-EtFOSAA	93%		40-140%
	13C2-6:2FTS	92%		50-150%
	13C2-8:2FTS	80%		50-150%

(a) Analysis performed at SGS Orlando, FL.

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

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## Report of Analysis

<b>Client Sample ID:</b> GW-5		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260D		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D202784.D	1	06/14/22 19:52	ED	n/a	n/a	V2D8828
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) <sup>a</sup>	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide <sup>b</sup>	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane <sup>a</sup>	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan <sup>a</sup>	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene <sup>c</sup>	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone <sup>a</sup>	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





## Report of Analysis

<b>Client Sample ID:</b> GW-5		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270E SW846 3510C		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	Z157954.D	5	06/16/22 12:03	CS	06/14/22 08:45	OP40228	EZ7858
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	25	4.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	25	4.5	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	6.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	25	12	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	7.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	25	6.5	ug/l	
95-48-7	2-Methylphenol	ND	10	4.4	ug/l	
	3&4-Methylphenol	ND	10	4.4	ug/l	
88-75-5	2-Nitrophenol	ND	25	4.8	ug/l	
100-02-7	4-Nitrophenol	ND	50	5.8	ug/l	
87-86-5	Pentachlorophenol	ND	20	6.9	ug/l	
108-95-2	Phenol	ND	10	2.0	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	25	7.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	25	6.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	25	4.6	ug/l	
83-32-9	Acenaphthene	7.5	5.0	0.96	ug/l	
208-96-8	Acenaphthylene	2.6	5.0	0.68	ug/l	J
98-86-2	Acetophenone	ND	10	1.0	ug/l	
120-12-7	Anthracene	15.3	5.0	1.1	ug/l	
1912-24-9	Atrazine	ND	10	2.2	ug/l	
100-52-7	Benzaldehyde	ND	25	1.4	ug/l	
56-55-3	Benzo(a)anthracene	40.3	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	34.2	5.0	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	37.5	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	19.6	5.0	1.7	ug/l	
207-08-9	Benzo(k)fluoranthene	12.8	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	10	2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	2.3	ug/l	
92-52-4	1,1'-Biphenyl	1.2	5.0	1.1	ug/l	J
91-58-7	2-Chloronaphthalene	ND	10	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	25	1.7	ug/l	
86-74-8	Carbazole	3.6	5.0	1.1	ug/l	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-5		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270E SW846 3510C		
<b>Project:</b> 1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	10	3.2	ug/l	
218-01-9	Chrysene	40.5	5.0	0.88	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	10	1.4	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	10	1.2	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	10	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	10	1.8	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.8	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.4	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.5	ug/l	
123-91-1	1,4-Dioxane	4.1	5.0	3.3	ug/l	J
53-70-3	Dibenzo(a,h)anthracene	5.7	5.0	1.7	ug/l	
132-64-9	Dibenzofuran	3.2	25	1.1	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	10	2.5	ug/l	
117-84-0	Di-n-octyl phthalate <sup>b</sup>	ND	10	1.2	ug/l	
84-66-2	Diethyl phthalate	1.9	10	1.3	ug/l	J
131-11-3	Dimethyl phthalate	ND	10	1.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	8.3	ug/l	
206-44-0	Fluoranthene	69.2	5.0	0.85	ug/l	
86-73-7	Fluorene	7.5	5.0	0.86	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.6	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	50	14	ug/l	
67-72-1	Hexachloroethane	ND	10	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	19.5	5.0	1.7	ug/l	
78-59-1	Isophorone	ND	10	1.4	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.1	ug/l	
88-74-4	2-Nitroaniline	ND	25	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	25	1.9	ug/l	
100-01-6	4-Nitroaniline	ND	25	2.2	ug/l	
91-20-3	Naphthalene	1.6	5.0	1.2	ug/l	J
98-95-3	Nitrobenzene	ND	10	3.2	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	10	2.4	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	25	1.1	ug/l	
85-01-8	Phenanthrene	61.2	5.0	0.88	ug/l	
129-00-0	Pyrene	83.8	5.0	1.1	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%		10-71%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-5 <b>Lab Sample ID:</b> JD46495-2 <b>Matrix:</b> AQ - Ground Water <b>Method:</b> SW846 8270E SW846 3510C <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/09/22 <b>Date Received:</b> 06/09/22 <b>Percent Solids:</b> n/a
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**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	17%		10-58%
118-79-6	2,4,6-Tribromophenol	51%		22-144%
4165-60-0	Nitrobenzene-d5	66%		28-118%
321-60-8	2-Fluorobiphenyl	54%		34-116%
1718-51-0	Terphenyl-d14	24%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	2.87	22	ug/l	J
	Phenanthrene methyl	9.04	21	ug/l	J
	unknown	9.14	27	ug/l	J
	Pyrene methyl	10.79	20	ug/l	J
	unknown PAH substance	14.04	26	ug/l	J
	Total TIC, Semi-Volatile		116	ug/l	J

- (a) Dilution required due to viscosity of the extract matrix.
- (b) Associated CCV outside of control limits high, sample was ND.

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.2  
4

## Report of Analysis

<b>Client Sample ID:</b> GW-5		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270E BY SIM SW846 3510C		
<b>Project:</b> 1 Water Street, White Plains, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	4M109193.D	5	06/16/22 10:14	CS	06/14/22 08:45	OP40228A	E4M5077
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	3.09	0.50	0.25	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	65%		23-127%		
321-60-8	2-Fluorobiphenyl	48%		23-114%		
1718-51-0	Terphenyl-d14	23%		10-121%		

(a) Dilution required due to viscosity of the extract matrix.

---

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

4.2  
4

# Report of Analysis

<b>Client Sample ID:</b> GW-5		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8081B SW846 3510C		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	1G177266.D	1	06/16/22 17:50	TL	06/15/22 09:50	OP40289	G1G6148
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1050 ml	5.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0048	0.0025	ug/l	
319-84-6	alpha-BHC	ND	0.0048	0.0025	ug/l	
319-85-7	beta-BHC	ND	0.0048	0.0038	ug/l	
319-86-8	delta-BHC	ND	0.0048	0.0031	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0048	0.0029	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0048	0.0023	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0048	0.0020	ug/l	
60-57-1	Dieldrin	ND	0.0048	0.0037	ug/l	
72-54-8	4,4'-DDD	ND	0.0048	0.0027	ug/l	
72-55-9	4,4'-DDE	ND	0.0048	0.0024	ug/l	
50-29-3	4,4'-DDT <sup>b</sup>	0.055	0.0048	0.0033	ug/l	B
72-20-8	Endrin	ND	0.0048	0.0029	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0048	0.0026	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0048	0.0032	ug/l	
53494-70-5	Endrin ketone	ND	0.0048	0.0029	ug/l	
959-98-8	Endosulfan-I	ND	0.0048	0.0025	ug/l	
33213-65-9	Endosulfan-II	ND	0.0048	0.0023	ug/l	
76-44-8	Heptachlor	ND	0.0048	0.0021	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0048	0.0029	ug/l	
72-43-5	Methoxychlor	ND	0.0095	0.0032	ug/l	
8001-35-2	Toxaphene	ND	0.12	0.078	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		10-190%
877-09-8	Tetrachloro-m-xylene	131%		10-190%
2051-24-3	Decachlorobiphenyl	57%		10-156%
2051-24-3	Decachlorobiphenyl	70%		10-156%

(a) Detections could be due to lab contamination.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

MDL = Method Detection Limit  
 J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

4.2  
4

## Report of Analysis

<b>Client Sample ID:</b> GW-5	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8082A SW846 3510C	
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G217562.D	1	06/20/22 13:48	CL	06/15/22 09:50	OP40290	G2G5715
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	1050 ml	5.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.24	0.093	ug/l	
11104-28-2	Aroclor 1221	ND	0.24	0.20	ug/l	
11141-16-5	Aroclor 1232	ND	0.24	0.12	ug/l	
53469-21-9	Aroclor 1242	ND	0.24	0.11	ug/l	
12672-29-6	Aroclor 1248	ND	0.24	0.060	ug/l	
11097-69-1	Aroclor 1254	ND	0.24	0.20	ug/l	
11096-82-5	Aroclor 1260	ND	0.24	0.072	ug/l	
11100-14-4	Aroclor 1268	ND	0.24	0.082	ug/l	
37324-23-5	Aroclor 1262	ND	0.24	0.092	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		10-174%
877-09-8	Tetrachloro-m-xylene	99%		10-174%
2051-24-3	Decachlorobiphenyl	34%		10-151%
2051-24-3	Decachlorobiphenyl	39%		10-151%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.2  
4

## Report of Analysis

<b>Client Sample ID:</b> GW-5		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Project:</b> 1 Water Street, White Plains, NY		

### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	83300	200	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Antimony	< 6.0	6.0	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Arsenic <sup>a</sup>	20.1	15	ug/l	5	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Barium	1060	200	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Beryllium	3.6	1.0	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Cadmium	< 3.0	3.0	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Calcium	220000	25000	ug/l	5	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Chromium	112	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Cobalt	86.1	50	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Copper	182	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Iron	106000	100	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Lead <sup>a</sup>	91.6	15	ug/l	5	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Magnesium	65600	5000	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Manganese	4540	15	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Mercury	0.81	0.20	ug/l	1	06/16/22	06/16/22	LM	SW846 7470A <sup>2</sup> SW846 7470A <sup>4</sup>
Nickel	114	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Potassium	29400	10000	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Selenium	< 10	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Silver	< 10	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Sodium	458000	50000	ug/l	5	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Thallium	< 10	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Vanadium	158	50	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Zinc	346	20	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>

(1) Instrument QC Batch: MA52578

(2) Instrument QC Batch: MA52582

(3) Prep QC Batch: MP33445

(4) Prep QC Batch: MP33509

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

4.2  
4



## Report of Analysis

<b>Client Sample ID:</b> GW-5	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.010	0.010	mg/l	1	06/16/22 14:42	MM	EPA 335.4/LACHAT

RL = Reporting Limit

4.2  
4

## Report of Analysis

<b>Client Sample ID:</b> GW-5		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2A		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 537M BY ID EPA 537 MOD		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	3Q61825.D	1	06/23/22 13:41	AFL	06/21/22 09:00	F:OP91741	F:S3Q844
Run #2							

Run #	Initial Volume	Final Volume
Run #1	230 ml	1.0 ml
Run #2		

## PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
<b>PERFLUOROALKYL CARBOXYLIC ACIDS</b>						
375-22-4	Perfluorobutanoic acid	6.2	4.3	2.2	ng/l	
2706-90-3	Perfluoropentanoic acid	7.4	2.2	1.1	ng/l	
307-24-4	Perfluorohexanoic acid	6.5	2.2	1.1	ng/l	
375-85-9	Perfluoroheptanoic acid	6.1	2.2	1.1	ng/l	
335-67-1	Perfluorooctanoic acid	21.9	2.2	1.1	ng/l	
375-95-1	Perfluorononanoic acid	10.2	2.2	1.1	ng/l	
335-76-2	Perfluorodecanoic acid	ND	2.2	1.1	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	2.2	1.1	ng/l	
307-55-1	Perfluorododecanoic acid	ND	2.2	1.1	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	2.2	1.1	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	2.2	1.1	ng/l	
<b>PERFLUOROALKYL SULFONIC ACIDS</b>						
375-73-5	Perfluorobutanesulfonic acid	7.1	2.2	1.1	ng/l	
355-46-4	Perfluorohexanesulfonic acid	3.3	2.2	1.1	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	2.2	1.1	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	38.9	2.2	1.1	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	2.2	1.1	ng/l	
<b>PERFLUORO OCTANESULFONAMIDES</b>						
754-91-6	PFOSA	ND	4.3	2.2	ng/l	
<b>PERFLUORO OCTANESULFONAMIDOACETIC ACIDS</b>						
2355-31-9	MeFOSAA	ND	4.3	2.2	ng/l	
2991-50-6	EtFOSAA	ND	4.3	2.2	ng/l	
<b>FLUOROTELOMER SULFONATES</b>						
27619-97-2	6:2 Fluorotelomer sulfonate	ND	8.7	2.2	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	8.7	2.2	ng/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-5		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-2A		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 537M BY ID EPA 537 MOD		
<b>Project:</b> 1 Water Street, White Plains, NY		

**PFAS List**

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	103%		35-135%
	13C5-PFPeA	90%		50-150%
	13C5-PFHxA	83%		50-150%
	13C4-PFHpA	89%		50-150%
	13C8-PFOA	95%		50-150%
	13C9-PFNA	87%		50-150%
	13C6-PFDA	97%		50-150%
	13C7-PFUnDA	98%		40-140%
	13C2-PFDoDA	90%		40-140%
	13C2-PFTeDA	89%		30-130%
	13C3-PFBS	93%		50-150%
	13C3-PFHxS	103%		50-150%
	13C8-PFOS	81%		50-150%
	13C8-FOSA	31%		30-130%
	d3-MeFOSAA	119%		40-140%
	d5-EtFOSAA	116%		40-140%
	13C2-6:2FTS	110%		50-150%
	13C2-8:2FTS	93%		50-150%

(a) Analysis performed at SGS Orlando, FL.

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.3  
4

## Report of Analysis

<b>Client Sample ID:</b> GW-6		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-3		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260D		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D202785.D	1	06/14/22 20:21	ED	n/a	n/a	V2D8828
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.3	10	3.1	ug/l	J
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) <sup>a</sup>	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide <sup>b</sup>	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane <sup>a</sup>	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan <sup>a</sup>	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene <sup>c</sup>	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone <sup>a</sup>	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> GW-6		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-3		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270E SW846 3510C		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	Z157955.D	5	06/16/22 12:26	CS	06/14/22 08:45	OP40228	EZ7858
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	25	4.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	25	4.5	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	6.4	ug/l	
105-67-9	2,4-Dimethylphenol	ND	25	12	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	7.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	25	6.5	ug/l	
95-48-7	2-Methylphenol	ND	10	4.4	ug/l	
	3&4-Methylphenol	ND	10	4.4	ug/l	
88-75-5	2-Nitrophenol	ND	25	4.8	ug/l	
100-02-7	4-Nitrophenol	ND	50	5.8	ug/l	
87-86-5	Pentachlorophenol	ND	20	6.9	ug/l	
108-95-2	Phenol	ND	10	2.0	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	25	7.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	25	6.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	25	4.6	ug/l	
83-32-9	Acenaphthene	ND	5.0	0.96	ug/l	
208-96-8	Acenaphthylene	ND	5.0	0.68	ug/l	
98-86-2	Acetophenone	ND	10	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.1	ug/l	
1912-24-9	Atrazine	ND	10	2.2	ug/l	
100-52-7	Benzaldehyde	ND	25	1.4	ug/l	
56-55-3	Benzo(a)anthracene	2.5	5.0	1.0	ug/l	J
50-32-8	Benzo(a)pyrene	2.5	5.0	1.1	ug/l	J
205-99-2	Benzo(b)fluoranthene	2.9	5.0	1.0	ug/l	J
191-24-2	Benzo(g,h,i)perylene	1.9	5.0	1.7	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	10	2.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	2.3	ug/l	
92-52-4	1,1'-Biphenyl	ND	5.0	1.1	ug/l	
91-58-7	2-Chloronaphthalene	ND	10	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	25	1.7	ug/l	
86-74-8	Carbazole	ND	5.0	1.1	ug/l	

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-6		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-3		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270E SW846 3510C		
<b>Project:</b> 1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	10	3.2	ug/l	
218-01-9	Chrysene	2.1	5.0	0.88	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	10	1.4	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	10	1.2	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	10	2.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	10	1.8	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.8	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.4	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	2.5	ug/l	
123-91-1	1,4-Dioxane	ND	5.0	3.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.7	ug/l	
132-64-9	Dibenzofuran	ND	25	1.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	2.5	ug/l	
117-84-0	Di-n-octyl phthalate <sup>b</sup>	ND	10	1.2	ug/l	
84-66-2	Diethyl phthalate	ND	10	1.3	ug/l	
131-11-3	Dimethyl phthalate	ND	10	1.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	8.3	ug/l	
206-44-0	Fluoranthene	3.1	5.0	0.85	ug/l	J
86-73-7	Fluorene	ND	5.0	0.86	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.6	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.5	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	50	14	ug/l	
67-72-1	Hexachloroethane	ND	10	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.8	5.0	1.7	ug/l	J
78-59-1	Isophorone	ND	10	1.4	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.1	ug/l	
88-74-4	2-Nitroaniline	ND	25	1.4	ug/l	
99-09-2	3-Nitroaniline	ND	25	1.9	ug/l	
100-01-6	4-Nitroaniline	ND	25	2.2	ug/l	
91-20-3	Naphthalene	ND	5.0	1.2	ug/l	
98-95-3	Nitrobenzene	ND	10	3.2	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	10	2.4	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	25	1.1	ug/l	
85-01-8	Phenanthrene	1.3	5.0	0.88	ug/l	J
129-00-0	Pyrene	3.1	5.0	1.1	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	1.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%		10-71%

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N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-6 <b>Lab Sample ID:</b> JD46495-3 <b>Matrix:</b> AQ - Ground Water <b>Method:</b> SW846 8270E SW846 3510C <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/09/22 <b>Date Received:</b> 06/09/22 <b>Percent Solids:</b> n/a
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**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	17%		10-58%
118-79-6	2,4,6-Tribromophenol	51%		22-144%
4165-60-0	Nitrobenzene-d5	77%		28-118%
321-60-8	2-Fluorobiphenyl	72%		34-116%
1718-51-0	Terphenyl-d14	42%		10-127%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	2.87	33	ug/l	J
	unknown	3.14	27	ug/l	J
	Total TIC, Semi-Volatile		60	ug/l	J

- (a) Dilution required due to viscosity of the extract matrix.
- (b) Associated CCV outside of control limits high, sample was ND.

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.4  
4



## Report of Analysis

<b>Client Sample ID:</b> GW-6	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-3	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8270E BY SIM SW846 3510C	
<b>Project:</b> 1 Water Street, White Plains, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4M109194.D	5	06/16/22 10:37	CS	06/14/22 08:45	OP40228A	E4M5077
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane	ND	0.50	0.25	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	72%		23-127%		
321-60-8	2-Fluorobiphenyl	62%		23-114%		
1718-51-0	Terphenyl-d14	36%		10-121%		

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.4  
4



## Report of Analysis

<b>Client Sample ID:</b> GW-6	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-3	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8082A SW846 3510C	
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G217563.D	1	06/20/22 14:04	CL	06/15/22 09:50	OP40290	G2G5715
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.25	0.098	ug/l	
11104-28-2	Aroclor 1221	ND	0.25	0.21	ug/l	
11141-16-5	Aroclor 1232	ND	0.25	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.25	0.11	ug/l	
12672-29-6	Aroclor 1248	ND	0.25	0.063	ug/l	
11097-69-1	Aroclor 1254	ND	0.25	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.25	0.076	ug/l	
11100-14-4	Aroclor 1268	ND	0.25	0.087	ug/l	
37324-23-5	Aroclor 1262	ND	0.25	0.097	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		10-174%
877-09-8	Tetrachloro-m-xylene	104%		10-174%
2051-24-3	Decachlorobiphenyl	27%		10-151%
2051-24-3	Decachlorobiphenyl	30%		10-151%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-6 <b>Lab Sample ID:</b> JD46495-3 <b>Matrix:</b> AQ - Ground Water <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/09/22 <b>Date Received:</b> 06/09/22 <b>Percent Solids:</b> n/a
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### Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	88000	200	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Antimony	< 6.0	6.0	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Arsenic <sup>a</sup>	23.2	15	ug/l	5	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Barium	1860	200	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Beryllium	3.0	1.0	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Cadmium	4.7	3.0	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Calcium	198000	5000	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Chromium	107	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Cobalt	116	50	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Copper	191	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Iron	98600	100	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Lead <sup>a</sup>	509	15	ug/l	5	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Magnesium	46200	5000	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Manganese	9130	75	ug/l	5	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Mercury	1.8	0.20	ug/l	1	06/16/22	06/16/22	LM	SW846 7470A <sup>2</sup> SW846 7470A <sup>4</sup>
Nickel	102	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Potassium	19500	10000	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Selenium <sup>a</sup>	< 50	50	ug/l	5	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Silver	< 10	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Sodium	108000	10000	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Thallium	< 10	10	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Vanadium	158	50	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>
Zinc	560	20	ug/l	1	06/14/22	06/15/22	ND	SW846 6010D <sup>1</sup> SW846 3010A <sup>3</sup>

(1) Instrument QC Batch: MA52578

(2) Instrument QC Batch: MA52582

(3) Prep QC Batch: MP33445

(4) Prep QC Batch: MP33509

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

4.4  
4

## Report of Analysis

<b>Client Sample ID:</b> GW-6	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-3	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.016	0.010	mg/l	1	06/16/22 14:44	MM	EPA 335.4/LACHAT

RL = Reporting Limit

4.4  
4

## Report of Analysis

<b>Client Sample ID:</b> GW-6		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-3A		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 537M BY ID EPA 537 MOD		
<b>Project:</b> 1 Water Street, White Plains, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	3Q61826.D	1	06/23/22 14:00	AFL	06/21/22 09:00	F:OP91741	F:S3Q844
Run #2 <sup>b</sup>	3Q61903.D	5	06/24/22 14:16	AFL	06/21/22 09:00	F:OP91741	F:S3Q845

	Initial Volume	Final Volume
Run #1	220 ml	1.0 ml
Run #2	220 ml	1.0 ml

## PFAS List

CAS No.	Compound	Result	RL	MDL	Units	Q
<b>PERFLUOROALKYL CARBOXYLIC ACIDS</b>						
375-22-4	Perfluorobutanoic acid	6.9	4.5	2.3	ng/l	
2706-90-3	Perfluoropentanoic acid	6.5	2.3	1.1	ng/l	
307-24-4	Perfluorohexanoic acid	5.3	2.3	1.1	ng/l	
375-85-9	Perfluoroheptanoic acid	6.1	2.3	1.1	ng/l	
335-67-1	Perfluorooctanoic acid	22.4	2.3	1.1	ng/l	
375-95-1	Perfluorononanoic acid	2.1	2.3	1.1	ng/l	J
335-76-2	Perfluorodecanoic acid	ND	2.3	1.1	ng/l	
2058-94-8	Perfluoroundecanoic acid	ND	2.3	1.1	ng/l	
307-55-1	Perfluorododecanoic acid	ND	2.3	1.1	ng/l	
72629-94-8	Perfluorotridecanoic acid	ND	2.3	1.1	ng/l	
376-06-7	Perfluorotetradecanoic acid	ND	2.3	1.1	ng/l	
<b>PERFLUOROALKYL SULFONIC ACIDS</b>						
375-73-5	Perfluorobutanesulfonic acid	5.5	2.3	1.1	ng/l	
355-46-4	Perfluorohexanesulfonic acid	2.0	2.3	1.1	ng/l	J
375-92-8	Perfluoroheptanesulfonic acid	ND	2.3	1.1	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	17.9	2.3	1.1	ng/l	
335-77-3	Perfluorodecanesulfonic acid	ND	2.3	1.1	ng/l	
<b>PERFLUORO OCTANESULFONAMIDES</b>						
754-91-6	PFOSA	ND <sup>c</sup>	23	11	ng/l	
<b>PERFLUORO OCTANESULFONAMIDOACETIC ACIDS</b>						
2355-31-9	MeFOSAA	ND	4.5	2.3	ng/l	
2991-50-6	EtFOSAA	ND	4.5	2.3	ng/l	
<b>FLUOROTELOMER SULFONATES</b>						
27619-97-2	6:2 Fluorotelomer sulfonate	5.9	9.1	2.3	ng/l	J
39108-34-4	8:2 Fluorotelomer sulfonate	ND	9.1	2.3	ng/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> GW-6		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-3A		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 537M BY ID EPA 537 MOD		
<b>Project:</b> 1 Water Street, White Plains, NY		

**PFAS List**

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	102%	123%	35-135%
	13C5-PFPeA	85%	113%	50-150%
	13C5-PFHxA	76%	104%	50-150%
	13C4-PFHpA	82%	109%	50-150%
	13C8-PFOA	90%	116%	50-150%
	13C9-PFNA	84%	111%	50-150%
	13C6-PFDA	99%	114%	50-150%
	13C7-PFUnDA	104%	109%	40-140%
	13C2-PFDoDA	97%	107%	40-140%
	13C2-PFTeDA	93%	97%	30-130%
	13C3-PFBS	89%	119%	50-150%
	13C3-PFHxS	94%	121%	50-150%
	13C8-PFOS	82%	108%	50-150%
	13C8-FOSA	11% <sup>d</sup>	31%	30-130%
	d3-MeFOSAA	123%	155% <sup>d</sup>	40-140%
	d5-EtFOSAA	120%	148% <sup>d</sup>	40-140%
	13C2-6:2FTS	105%	128%	50-150%
	13C2-8:2FTS	101%	108%	50-150%

- (a) Analysis performed at SGS Orlando, FL.
- (b) Dilution required due to matrix interference (ID recovery standard failure). Analysis performed at SGS Orlando, FL.
- (c) Result is from Run# 2
- (d) Outside control limits.

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.5  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-23(4-4.5)		
<b>Lab Sample ID:</b> JD46495-4		<b>Date Sampled:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/09/22
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 92.8
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	3C176332.D	1	06/14/22 18:06	BK	06/13/22 08:00	n/a	V3C7744

Run #1	Initial Weight
Run #2	5.0 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	11.3	11	4.5	ug/kg	
71-43-2	Benzene	ND	0.54	0.49	ug/kg	
74-97-5	Bromochloromethane	ND	5.4	0.60	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.46	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	5.4	1.5	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	5.4	0.82	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	2.2	0.58	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.2	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.49	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	5.4	0.64	ug/kg	
67-66-3	Chloroform	ND	2.2	0.56	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	5.4	2.1	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.71	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.75	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.60	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.45	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.59	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.53	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.53	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	5.4	0.78	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.53	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.51	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.71	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.91	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.49	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.49	ug/kg	
76-13-1	Freon 113	ND	5.4	2.9	ug/kg	
591-78-6	2-Hexanone	ND	5.4	2.3	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





## Report of Analysis

<b>Client Sample ID:</b> SB-23(4-4.5)		
<b>Lab Sample ID:</b> JD46495-4		<b>Date Sampled:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/09/22
<b>Method:</b> SW846 8270E SW846 3546		<b>Percent Solids:</b> 92.8
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z158037.D	1	06/20/22 02:28	KLS	06/13/22 14:20	OP40254	EZ7862
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	70	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	70	23	ug/kg	
	3&4-Methylphenol	ND	70	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	94	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	70	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	54.0	35	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.6	ug/kg	
120-12-7	Anthracene	32.6	35	22	ug/kg	J
1912-24-9	Atrazine	ND	70	15	ug/kg	
56-55-3	Benzo(a)anthracene	110	35	10	ug/kg	
50-32-8	Benzo(a)pyrene	131	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	181	35	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	87.2	35	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	59.7	35	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	8.6	ug/kg	
92-52-4	1,1'-Biphenyl	ND	70	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	8.4	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	10.2	70	5.1	ug/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-23(4-4.5)		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-4		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 92.8
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-96%
118-79-6	2,4,6-Tribromophenol	27%		10-123%
4165-60-0	Nitrobenzene-d5	29%		10-109%
321-60-8	2-Fluorobiphenyl	30%		11-109%
1718-51-0	Terphenyl-d14	32%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.22	330	ug/kg	J
	system artifact/aldol-condensation	3.27	220	ug/kg	J
	system artifact	3.40	200	ug/kg	J
	unknown	4.06	450	ug/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	10.42	500	ug/kg	JN
	unknown	13.59	180	ug/kg	J
	unknown	13.98	210	ug/kg	J
	unknown PAH substance	14.05	170	ug/kg	J
	Total TIC, Semi-Volatile		1510	ug/kg	J

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.6  
4



## Report of Analysis

<b>Client Sample ID:</b> SB-23(4-4.5)	
<b>Lab Sample ID:</b> JD46495-4	<b>Date Sampled:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/09/22
<b>Method:</b> SW846 8082A SW846 3546	<b>Percent Solids:</b> 92.8
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11971.D	1	06/22/22 12:49	CL	06/16/22 13:24	OP40261	GRK305
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	15	ug/kg	
11104-28-2	Aroclor 1221	ND	33	20	ug/kg	
11141-16-5	Aroclor 1232	ND	33	21	ug/kg	
53469-21-9	Aroclor 1242	ND	33	13	ug/kg	
12672-29-6	Aroclor 1248	ND	33	29	ug/kg	
11097-69-1	Aroclor 1254	ND	33	18	ug/kg	
11096-82-5	Aroclor 1260	ND	33	14	ug/kg	
11100-14-4	Aroclor 1268	ND	33	14	ug/kg	
37324-23-5	Aroclor 1262	ND	33	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		10-163%
877-09-8	Tetrachloro-m-xylene	77%		10-163%
2051-24-3	Decachlorobiphenyl	52%		10-215%
2051-24-3	Decachlorobiphenyl	71%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.6  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-23(4-4.5) <b>Lab Sample ID:</b> JD46495-4 <b>Matrix:</b> SO - Soil <b>Project:</b> 1 Water Street, White Plains, NY	<b>Date Sampled:</b> 06/09/22 <b>Date Received:</b> 06/09/22 <b>Percent Solids:</b> 92.8
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### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	11500	52	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.1	2.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	2.5	2.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	100	21	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.45	0.21	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.52	0.52	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	4370	520	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	19.6	1.0	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	7.3	5.2	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	33.6	2.6	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	17000	52	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	188	2.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	4580	520	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	336	1.6	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.31	0.031	mg/kg	1	06/15/22	06/16/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	13.9	4.2	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1770	1000	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.1	2.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	0.73	0.52	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1000	1000	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.0	1.0	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	28.7	5.2	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	107	10	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52569

(2) Instrument QC Batch: MA52580

(3) Prep QC Batch: MP33458

(4) Prep QC Batch: MP33504

RL = Reporting Limit

4.6  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-23(4-4.5)	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-4	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 92.8
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.31	0.31	mg/kg	1	06/16/22 13:24	MM	SW846 9012B/LACHAT
Solids, Percent	92.8		%	1	06/13/22 16:33	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit



## Report of Analysis

<b>Client Sample ID:</b> SB-23(11-11.5)		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-5		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 66.5
<b>Method:</b> SW846 8260D SW846 5035		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C176333.D	1	06/14/22 18:31	BK	06/13/22 08:00	n/a	V3C7744
Run #2							

Run #	Initial Weight
Run #1	4.6 g
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	51.2	16	6.8	ug/kg	
71-43-2	Benzene	ND	0.82	0.74	ug/kg	
74-97-5	Bromochloromethane	ND	8.2	0.92	ug/kg	
75-27-4	Bromodichloromethane	ND	3.3	0.70	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	8.2	2.2	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	8.2	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	10.1	16	4.0	ug/kg	J
75-15-0	Carbon disulfide	ND	3.3	0.87	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.3	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	3.3	0.75	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	8.2	0.97	ug/kg	
67-66-3	Chloroform	ND	3.3	0.85	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	8.2	3.2	ug/kg	
110-82-7	Cyclohexane	ND	3.3	1.1	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.3	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	3.3	0.92	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.6	0.69	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.6	0.89	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.6	0.81	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.6	0.81	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	8.2	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.6	0.81	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.77	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.6	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	1.4	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	1.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.3	0.77	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.3	0.78	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.3	0.75	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.74	ug/kg	
76-13-1	Freon 113	ND	8.2	4.4	ug/kg	
591-78-6	2-Hexanone	ND	8.2	3.5	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



## Report of Analysis

<b>Client Sample ID:</b> SB-23(11-11.5)		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-5		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 66.5
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z158021.D	1	06/19/22 20:17	KLS	06/13/22 14:20	OP40254	EZ7862
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	98	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	240	30	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	240	42	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	240	87	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	240	180	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	240	52	ug/kg	
95-48-7	2-Methylphenol	ND	98	31	ug/kg	
	3&4-Methylphenol	ND	98	40	ug/kg	
88-75-5	2-Nitrophenol	ND	240	32	ug/kg	
100-02-7	4-Nitrophenol	ND	490	130	ug/kg	
87-86-5	Pentachlorophenol	ND	200	46	ug/kg	
108-95-2	Phenol	ND	98	26	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	240	32	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	240	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	240	29	ug/kg	
83-32-9	Acenaphthene	ND	49	17	ug/kg	
208-96-8	Acenaphthylene	ND	49	25	ug/kg	
98-86-2	Acetophenone	ND	240	11	ug/kg	
120-12-7	Anthracene	ND	49	30	ug/kg	
1912-24-9	Atrazine	ND	98	21	ug/kg	
56-55-3	Benzo(a)anthracene	ND	49	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	49	22	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	49	22	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	49	24	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	49	23	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	98	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	98	12	ug/kg	
92-52-4	1,1'-Biphenyl	ND	98	6.7	ug/kg	
100-52-7	Benzaldehyde	ND	240	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	98	12	ug/kg	
106-47-8	4-Chloroaniline	ND	240	18	ug/kg	
86-74-8	Carbazole	ND	98	7.1	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





## Report of Analysis

<b>Client Sample ID:</b> SB-23(11-11.5)	
<b>Lab Sample ID:</b> JD46495-5	<b>Date Sampled:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/09/22
<b>Method:</b> SW846 8081B SW846 3546	<b>Percent Solids:</b> 66.5
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	8G43143.D	1	06/22/22 00:55	CP	06/16/22 13:24	OP40260	G8G1854
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.0	0.82	ug/kg	
319-84-6	alpha-BHC	ND	1.0	0.81	ug/kg	
319-85-7	beta-BHC	ND	1.0	0.90	ug/kg	
319-86-8	delta-BHC	ND	1.0	0.96	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.0	0.73	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.0	0.80	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.0	0.45	ug/kg	
60-57-1	Dieldrin	ND	1.0	0.68	ug/kg	
72-54-8	4,4'-DDD	ND	1.0	0.91	ug/kg	
72-55-9	4,4'-DDE <sup>b</sup>	ND	1.0	0.87	ug/kg	
50-29-3	4,4'-DDT	18.9	1.0	0.88	ug/kg	B
72-20-8	Endrin	ND	1.0	0.77	ug/kg	
1031-07-8	Endosulfan sulfate	ND	1.0	0.78	ug/kg	
7421-93-4	Endrin aldehyde	ND	1.0	0.56	ug/kg	
959-98-8	Endosulfan-I	ND	1.0	0.57	ug/kg	
33213-65-9	Endosulfan-II	ND	1.0	0.62	ug/kg	
76-44-8	Heptachlor	ND	1.0	0.86	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.0	0.70	ug/kg	
72-43-5	Methoxychlor	ND	2.0	0.79	ug/kg	
53494-70-5	Endrin ketone	ND	1.0	0.72	ug/kg	
8001-35-2	Toxaphene	ND	25	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		14-145%
877-09-8	Tetrachloro-m-xylene	80%		14-145%
2051-24-3	Decachlorobiphenyl	79%		10-197%
2051-24-3	Decachlorobiphenyl	92%		10-197%

(a) Had TBA cleanup. Detections could be due to lab contamination.

(b) Associated CCV outside of control limits low.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-23(11-11.5)		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-5		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 66.5
<b>Method:</b> SW846 8082A SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11972.D	1	06/22/22 13:06	CL	06/16/22 13:24	OP40261	GRK305
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	50	23	ug/kg	
11104-28-2	Aroclor 1221	ND	50	31	ug/kg	
11141-16-5	Aroclor 1232	ND	50	32	ug/kg	
53469-21-9	Aroclor 1242	ND	50	20	ug/kg	
12672-29-6	Aroclor 1248	ND	50	44	ug/kg	
11097-69-1	Aroclor 1254	ND	50	27	ug/kg	
11096-82-5	Aroclor 1260	ND	50	21	ug/kg	
11100-14-4	Aroclor 1268	ND	50	21	ug/kg	
37324-23-5	Aroclor 1262	ND	50	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	123%		10-163%
877-09-8	Tetrachloro-m-xylene	124%		10-163%
2051-24-3	Decachlorobiphenyl	92%		10-215%
2051-24-3	Decachlorobiphenyl	98%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.7  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-23(11-11.5)		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-5		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 66.5
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	26000	77	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 3.1	3.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	3.5	3.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	173	31	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.94	0.31	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.77	0.77	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	3110	770	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	36.7	1.5	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	10.5	7.7	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	12.0	3.8	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	18700	77	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	9.5	3.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	5020	770	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	237	2.3	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.054	0.039	mg/kg	1	06/15/22	06/16/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	21.1	6.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	< 1500	1500	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 3.1	3.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.77	0.77	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	1640	1500	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.5	1.5	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	39.6	7.7	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	73.6	15	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52569

(2) Instrument QC Batch: MA52580

(3) Prep QC Batch: MP33458

(4) Prep QC Batch: MP33504

RL = Reporting Limit

4.7  
4



## Report of Analysis

<b>Client Sample ID:</b> SB-23(11-11.5)	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-5	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 66.5
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.36	0.36	mg/kg	1	06/16/22 13:27	MM	SW846 9012B/LACHAT
Solids, Percent	66.5		%	1	06/13/22 16:33	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.7  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-24(2-2.5)		
<b>Lab Sample ID:</b> JD46495-6		<b>Date Sampled:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/09/22
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 90.9
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	3C176334.D	1	06/14/22 18:57	BK	06/13/22 08:00	n/a	V3C7744

Run #1	Initial Weight
Run #2	5.4 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.1	10	4.2	ug/kg	J
71-43-2	Benzene	ND	0.51	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.44	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	5.1	1.4	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	5.1	0.78	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.47	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	5.1	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.53	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	5.1	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.67	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.57	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.56	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.51	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	5.1	0.74	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.86	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.62	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.46	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.1	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-24(2-2.5)	<b>Date Sampled:</b>	06/09/22
<b>Lab Sample ID:</b>	JD46495-6	<b>Date Received:</b>	06/09/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	90.9
<b>Method:</b>	SW846 8260D SW846 5035		
<b>Project:</b>	1 Water Street, White Plains, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.1	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.89	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.1	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.1	2.7	ug/kg	
100-42-5	Styrene	ND	2.0	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.61	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.59	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene <sup>c</sup>	ND	5.1	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.49	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.56	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	0.70	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.49	ug/kg	
	m,p-Xylene	ND	1.0	0.91	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		80-124%
17060-07-0	1,2-Dichloroethane-D4	110%		75-133%
2037-26-5	Toluene-D8	101%		79-125%
460-00-4	4-Bromofluorobenzene	97%		58-148%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

(c) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-24(2-2.5)		
<b>Lab Sample ID:</b> JD46495-6		<b>Date Sampled:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/09/22
<b>Method:</b> SW846 8270E SW846 3546		<b>Percent Solids:</b> 90.9
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z158038.D	1	06/20/22 02:52	KLS	06/13/22 14:20	OP40254	EZ7862
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	71	17	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	71	23	ug/kg	
	3&4-Methylphenol	ND	71	29	ug/kg	
88-75-5	2-Nitrophenol	ND	180	23	ug/kg	
100-02-7	4-Nitrophenol	ND	350	94	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	71	18	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	23	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	26	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	35	12	ug/kg	
208-96-8	Acenaphthylene	117	35	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.6	ug/kg	
120-12-7	Anthracene	59.1	35	22	ug/kg	
1912-24-9	Atrazine	ND	71	15	ug/kg	
56-55-3	Benzo(a)anthracene	204	35	10	ug/kg	
50-32-8	Benzo(a)pyrene	234	35	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	308	35	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	209	35	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	102	35	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	8.6	ug/kg	
92-52-4	1,1'-Biphenyl	ND	71	4.8	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.8	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	8.4	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	19.4	71	5.1	ug/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	SB-24(2-2.5)	<b>Date Sampled:</b>	06/09/22
<b>Lab Sample ID:</b>	JD46495-6	<b>Date Received:</b>	06/09/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	90.9
<b>Method:</b>	SW846 8270E SW846 3546		
<b>Project:</b>	1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	71	14	ug/kg	
218-01-9	Chrysene	234	35	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	7.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	71	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	35	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	35	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	71	30	ug/kg	
123-91-1	1,4-Dioxane	ND	35	23	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	53.0	35	16	ug/kg	
132-64-9	Dibenzofuran	ND	71	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	8.8	ug/kg	
84-66-2	Diethyl phthalate	ND	71	7.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	6.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	14.7	71	8.3	ug/kg	J
206-44-0	Fluoranthene	303	35	16	ug/kg	
86-73-7	Fluorene	19.4	35	16	ug/kg	J
118-74-1	Hexachlorobenzene	ND	71	8.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	207	35	17	ug/kg	
78-59-1	Isophorone	ND	71	7.6	ug/kg	
91-57-6	2-Methylnaphthalene	21.2	35	8.0	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	8.3	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.8	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.2	ug/kg	
91-20-3	Naphthalene	37.3	35	10	ug/kg	
98-95-3	Nitrobenzene	ND	71	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	133	35	12	ug/kg	
129-00-0	Pyrene	349	35	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	17%		10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-24(2-2.5)	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-6	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 90.9
<b>Method:</b> SW846 8270E SW846 3546	
<b>Project:</b> 1 Water Street, White Plains, NY	

**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	27%		10-96%
118-79-6	2,4,6-Tribromophenol	29%		10-123%
4165-60-0	Nitrobenzene-d5	31%		10-109%
321-60-8	2-Fluorobiphenyl	32%		11-109%
1718-51-0	Terphenyl-d14	32%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.22	340	ug/kg	J
	system artifact/aldol-condensation	3.27	230	ug/kg	J
	system artifact	3.40	190	ug/kg	J
	unknown	4.06	460	ug/kg	J
	unknown	4.33	160	ug/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	10.42	1800	ug/kg	JN
	unknown PAH substance	14.05	220	ug/kg	J
	Total TIC, Semi-Volatile		2640	ug/kg	J

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

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## Report of Analysis

<b>Client Sample ID:</b> SB-24(2-2.5)		
<b>Lab Sample ID:</b> JD46495-6		<b>Date Sampled:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/09/22
<b>Method:</b> SW846 8081B SW846 3546		<b>Percent Solids:</b> 90.9
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G43033.D	1	06/17/22 01:45	CP	06/16/22 13:24	OP40260	G8G1849
Run #2 <sup>a</sup>	8G43095.D	5	06/20/22 23:41	CP	06/16/22 13:24	OP40260	G8G1852

Run #	Initial Weight	Final Volume
Run #1	15.7 g	10.0 ml
Run #2	15.7 g	10.0 ml

## Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.58	ug/kg	
309-00-2	Aldrin	ND <sup>b</sup>	3.5	2.9	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.57	ug/kg	
319-84-6	alpha-BHC	ND <sup>b</sup>	3.5	2.8	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.63	ug/kg	
319-85-7	beta-BHC	ND <sup>b</sup>	3.5	3.2	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.67	ug/kg	
319-86-8	delta-BHC	ND <sup>b</sup>	3.5	3.4	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.52	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND <sup>b</sup>	3.5	2.6	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.57	ug/kg	
5103-71-9	alpha-Chlordane	ND <sup>b</sup>	3.5	2.8	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.70	0.32	ug/kg	
5103-74-2	gamma-Chlordane	ND <sup>b</sup>	3.5	1.6	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.48	ug/kg	
60-57-1	Dieldrin	ND <sup>b</sup>	3.5	2.4	ug/kg	
72-54-8	4,4' -DDD	ND	0.70	0.64	ug/kg	
72-54-8	4,4' -DDD	ND <sup>b</sup>	3.5	3.2	ug/kg	
72-55-9	4,4' -DDE	ND	0.70	0.61	ug/kg	
72-55-9	4,4' -DDE	ND <sup>b</sup>	3.5	3.1	ug/kg	
50-29-3	4,4' -DDT <sup>c</sup>	12.3	0.70	0.62	ug/kg	B
50-29-3	4,4' -DDT	11.6 <sup>b</sup>	3.5	3.1	ug/kg	B
72-20-8	Endrin	ND	0.70	0.54	ug/kg	
72-20-8	Endrin	ND <sup>b</sup>	3.5	2.7	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.55	ug/kg	
1031-07-8	Endosulfan sulfate	ND <sup>b</sup>	3.5	2.7	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.40	ug/kg	
7421-93-4	Endrin aldehyde	ND <sup>b</sup>	3.5	2.0	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.40	ug/kg	
959-98-8	Endosulfan-I	ND <sup>b</sup>	3.5	2.0	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.44	ug/kg	
33213-65-9	Endosulfan-II	ND <sup>b</sup>	3.5	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-24(2-2.5)	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-6	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 90.9
<b>Method:</b> SW846 8081B SW846 3546	
<b>Project:</b> 1 Water Street, White Plains, NY	

**Pesticide TCL List**

CAS No.	Compound	Result	RL	MDL	Units	Q
76-44-8	Heptachlor	ND	0.70	0.60	ug/kg	
76-44-8	Heptachlor	ND <sup>b</sup>	3.5	3.0	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.49	ug/kg	
1024-57-3	Heptachlor epoxide	ND <sup>b</sup>	3.5	2.5	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.56	ug/kg	
72-43-5	Methoxychlor	ND <sup>b</sup>	7.0	2.8	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	0.51	ug/kg	
53494-70-5	Endrin ketone	ND <sup>b</sup>	3.5	2.5	ug/kg	
8001-35-2	Toxaphene	ND	18	16	ug/kg	
8001-35-2	Toxaphene	ND <sup>b</sup>	88	82	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	78%	63%	14-145%
877-09-8	Tetrachloro-m-xylene	47%	64%	14-145%
2051-24-3	Decachlorobiphenyl	62%	86%	10-197%
2051-24-3	Decachlorobiphenyl	42%	83%	10-197%

- (a) Detections could be due to lab contamination.
- (b) Result is from Run# 2
- (c) This compound outside control limits biased high in the associated BS. Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

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ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

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4



## Report of Analysis

<b>Client Sample ID:</b> SB-24(2-2.5)	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-6	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 90.9
<b>Method:</b> SW846 8082A SW846 3546	
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11710.D	1	06/18/22 06:43	CL	06/16/22 13:24	OP40261	GRK302
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.2 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	17	ug/kg	
11104-28-2	Aroclor 1221	ND	36	22	ug/kg	
11141-16-5	Aroclor 1232	ND	36	23	ug/kg	
53469-21-9	Aroclor 1242	ND	36	15	ug/kg	
12672-29-6	Aroclor 1248	ND	36	32	ug/kg	
11097-69-1	Aroclor 1254	ND	36	19	ug/kg	
11096-82-5	Aroclor 1260	ND	36	15	ug/kg	
11100-14-4	Aroclor 1268	ND	36	15	ug/kg	
37324-23-5	Aroclor 1262	ND	36	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		10-163%
877-09-8	Tetrachloro-m-xylene	85%		10-163%
2051-24-3	Decachlorobiphenyl	60%		10-215%
2051-24-3	Decachlorobiphenyl	69%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
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 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

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## Report of Analysis

Client Sample ID: SB-24(2-2.5)

Lab Sample ID: JD46495-6

Matrix: SO - Soil

Date Sampled: 06/09/22

Date Received: 06/09/22

Percent Solids: 90.9

Project: 1 Water Street, White Plains, NY

## Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	11600	55	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.2	2.2	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	2.9	2.2	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	64.1	22	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.46	0.22	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.55	0.55	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	5030	550	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	21.0	1.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	7.5	5.5	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	36.9	2.8	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	16700	55	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	57.7	2.2	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	4530	550	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	292	1.7	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	0.47	0.033	mg/kg	1	06/15/22	06/16/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	14.7	4.4	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1670	1100	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.2	2.2	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.55	0.55	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1100	1100	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.1	1.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	26.5	5.5	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	52.1	11	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52569

(2) Instrument QC Batch: MA52580

(3) Prep QC Batch: MP33458

(4) Prep QC Batch: MP33504

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> SB-24(2-2.5)	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-6	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 90.9
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	0.30	0.25	mg/kg	1	06/16/22 13:28	MM	SW846 9012B/LACHAT
Solids, Percent	90.9		%	1	06/13/22 16:33	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

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## Report of Analysis

<b>Client Sample ID:</b> SB-24(10-10.5)		
<b>Lab Sample ID:</b> JD46495-7		<b>Date Sampled:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Date Received:</b> 06/09/22
<b>Method:</b> SW846 8260D SW846 5035		<b>Percent Solids:</b> 97.1
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	3C176335.D	1	06/14/22 19:22	BK	06/13/22 08:00	n/a	V3C7744

Run #1	Initial Weight
Run #2	4.0 g

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.0	13	5.3	ug/kg	J
71-43-2	Benzene	ND	0.64	0.59	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	0.72	ug/kg	
75-27-4	Bromodichloromethane	ND	2.6	0.55	ug/kg	
75-25-2	Bromoform <sup>a</sup>	ND	6.4	1.8	ug/kg	
74-83-9	Bromomethane <sup>b</sup>	ND	6.4	0.98	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	2.6	0.69	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.6	0.80	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	0.59	ug/kg	
75-00-3	Chloroethane <sup>b</sup>	ND	6.4	0.76	ug/kg	
67-66-3	Chloroform	ND	2.6	0.67	ug/kg	
74-87-3	Chloromethane <sup>c</sup>	ND	6.4	2.5	ug/kg	
110-82-7	Cyclohexane	ND	2.6	0.85	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.6	0.89	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	0.72	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.54	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.3	0.70	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.3	0.64	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.3	0.64	ug/kg	
75-71-8	Dichlorodifluoromethane <sup>c</sup>	ND	6.4	0.94	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.64	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.61	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.84	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.79	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	0.61	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	0.61	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	0.59	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.58	ug/kg	
76-13-1	Freon 113	ND	6.4	3.4	ug/kg	
591-78-6	2-Hexanone	ND	6.4	2.7	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





## Report of Analysis

<b>Client Sample ID:</b>	SB-24(10-10.5)	<b>Date Sampled:</b>	06/09/22
<b>Lab Sample ID:</b>	JD46495-7	<b>Date Received:</b>	06/09/22
<b>Matrix:</b>	SO - Soil	<b>Percent Solids:</b>	97.1
<b>Method:</b>	SW846 8270E SW846 3546		
<b>Project:</b>	1 Water Street, White Plains, NY		

## ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	66	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	66	7.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	66	14	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	66	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	66	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	66	27	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	14	ug/kg	
132-64-9	Dibenzofuran	ND	66	13	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	66	5.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	66	8.2	ug/kg	
84-66-2	Diethyl phthalate	ND	66	7.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	66	5.8	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	66	7.7	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	8.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	160	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	15	ug/kg	
78-59-1	Isophorone	ND	66	7.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	33	7.4	ug/kg	
88-74-4	2-Nitroaniline	ND	160	7.7	ug/kg	
99-09-2	3-Nitroaniline	ND	160	8.2	ug/kg	
100-01-6	4-Nitroaniline	ND	160	8.5	ug/kg	
91-20-3	Naphthalene	ND	33	9.2	ug/kg	
98-95-3	Nitrobenzene	ND	66	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	66	9.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	10	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	8.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	14%		10-99%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> SB-24(10-10.5)		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-7		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 97.1
<b>Method:</b> SW846 8270E SW846 3546		
<b>Project:</b> 1 Water Street, White Plains, NY		

**ABN TCL List (SOM0 2.0)**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	21%		10-96%
118-79-6	2,4,6-Tribromophenol	18%		10-123%
4165-60-0	Nitrobenzene-d5	25%		10-109%
321-60-8	2-Fluorobiphenyl	27%		11-109%
1718-51-0	Terphenyl-d14	27%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.01	240	ug/kg	J
	system artifact	3.22	280	ug/kg	J
	system artifact/aldol-condensation	3.29	8700	ug/kg	J
	system artifact	3.40	170	ug/kg	J
80-05-7	Phenol, 4,4'-(1-methylethylidene)bis-	10.40	270	ug/kg	JN
	Total TIC, Semi-Volatile		270	ug/kg	J

---

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.9  
4





## Report of Analysis

<b>Client Sample ID:</b> SB-24(10-10.5)	
<b>Lab Sample ID:</b> JD46495-7	<b>Date Sampled:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Date Received:</b> 06/09/22
<b>Method:</b> SW846 8082A SW846 3546	<b>Percent Solids:</b> 97.1
<b>Project:</b> 1 Water Street, White Plains, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RK11711.D	1	06/18/22 06:59	CL	06/16/22 13:24	OP40261	GRK302
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

### PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	34	16	ug/kg	
11104-28-2	Aroclor 1221	ND	34	21	ug/kg	
11141-16-5	Aroclor 1232	ND	34	21	ug/kg	
53469-21-9	Aroclor 1242	ND	34	14	ug/kg	
12672-29-6	Aroclor 1248	ND	34	30	ug/kg	
11097-69-1	Aroclor 1254	ND	34	18	ug/kg	
11096-82-5	Aroclor 1260	ND	34	14	ug/kg	
11100-14-4	Aroclor 1268	ND	34	14	ug/kg	
37324-23-5	Aroclor 1262	ND	34	22	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		10-163%
877-09-8	Tetrachloro-m-xylene	91%		10-163%
2051-24-3	Decachlorobiphenyl	59%		10-215%
2051-24-3	Decachlorobiphenyl	61%		10-215%

ND = Not detected      MDL = Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

4.9  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-24(10-10.5)		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-7		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil		<b>Percent Solids:</b> 97.1
<b>Project:</b> 1 Water Street, White Plains, NY		

### Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5710	51	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Antimony	< 2.0	2.0	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Arsenic	< 2.0	2.0	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Barium	32.2	20	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Beryllium	0.25	0.20	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cadmium	< 0.51	0.51	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Calcium	767	510	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Chromium	8.7	1.0	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Cobalt	< 5.1	5.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Copper	8.4	2.5	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Iron	8030	51	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Lead	2.3	2.0	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Magnesium	2550	510	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Manganese	175	1.5	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Mercury	< 0.032	0.032	mg/kg	1	06/15/22	06/16/22	LM SW846 7471B <sup>2</sup>	SW846 7471B <sup>4</sup>
Nickel	8.5	4.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Potassium	1410	1000	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Selenium	< 2.0	2.0	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Silver	< 0.51	0.51	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Sodium	< 1000	1000	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Thallium	< 1.0	1.0	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Vanadium	11.6	5.1	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>
Zinc	21.6	10	mg/kg	1	06/14/22	06/14/22	ND SW846 6010D <sup>1</sup>	SW846 3050B <sup>3</sup>

(1) Instrument QC Batch: MA52569

(2) Instrument QC Batch: MA52580

(3) Prep QC Batch: MP33458

(4) Prep QC Batch: MP33505

RL = Reporting Limit

4.9  
4

## Report of Analysis

<b>Client Sample ID:</b> SB-24(10-10.5)	<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-7	<b>Date Received:</b> 06/09/22
<b>Matrix:</b> SO - Soil	<b>Percent Solids:</b> 97.1
<b>Project:</b> 1 Water Street, White Plains, NY	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	06/16/22 13:30	MM	SW846 9012B/LACHAT
Solids, Percent	97.1		%	1	06/13/22 16:33	BG	SM2540 G 18TH ED MOD

RL = Reporting Limit

4.9  
4

## Report of Analysis

<b>Client Sample ID:</b> TB		<b>Date Sampled:</b> 06/09/22
<b>Lab Sample ID:</b> JD46495-8		<b>Date Received:</b> 06/09/22
<b>Matrix:</b> AQ - Trip Blank Water		<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260D		
<b>Project:</b> 1 Water Street, White Plains, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D202776.D	1	06/14/22 15:58	ED	n/a	n/a	V2D8828
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK) <sup>a</sup>	ND	10	6.9	ug/l	
75-15-0	Carbon disulfide <sup>b</sup>	ND	2.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane <sup>a</sup>	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan <sup>a</sup>	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene <sup>c</sup>	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone <sup>a</sup>	ND	5.0	2.0	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody
- Chain of Custody (SGS Orlando, FL)





## SGS Sample Receipt Summary

**Job Number:** JD46495

**Client:** SESI CONSULTING ENGINEERS

**Project:** 33-39 LAWTON STREET, NEW ROCHELLE, N

**Date / Time Received:** 6/9/2022 6:25:00 PM

**Delivery Method:**

**Airbill #'s:**

**Cooler Temps (Raw Measured) °C:** Cooler 1: (7.1); Cooler 2: (7.5);

**Cooler Temps (Corrected) °C:** Cooler 1: (6.8); Cooler 2: (7.2);

**Cooler Security**

Y or N

Y or N

- |                           |                                     |                          |                       |                                     |                          |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

Y or N

- |                              |                                     |                          |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | IR Gun                              |                          |
| 3. Cooler media:             | Ice (Bag)                           |                          |
| 4. No. Coolers:              | 2                                   |                          |

**Quality Control Preservation**

Y or N

N/A

- |                                 |                                     |                          |                          |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                          |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Documentation**

Y or N

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

Y or N

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | Intact                              |                          |

**Sample Integrity - Instructions**

Y or N

N/A

- |   |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Test Strip Lot #s:      pH 1-12: 231619      pH 12+: 203117A      Other: (Specify)

Comments

- 1). Sample -1 Did not received volume for 1.4 Dioxane. Only received 1 x250mL NP volume PFAS analysis. Please confirm  
 2). Sample -4 and -5 Received additional volume PFAS analysis not requested on COC. Please confirm  
 3). Sample -4 thru -7 Received EnCore volume with in hold. Please proceed out side hold time.

5.1  
5

Responded to by: Kelly Ramos

Response Date: 6/14/2022

Sample -1: Please proceed, 1,4-dioxane already collected for this sample and submitted  
Sample -4 and -5: PFAS no needed to be run on any soil samples  
Sample -4 thru -7: Please proceed as noted

5.1

5

**JD46495: Chain of Custody**

**Page 3 of 3**



**CHAIN OF CUSTODY**  
 SGS North America Inc. - Dayton  
 2235 Route 130, Dayton, NJ 08810  
 TEL: 732-329-0200 FAX: 732-329-3499/3480  
 www.sgs.com/enhsusa

Client / Reporting Information		Project Information		Requested Analysis		Matrix Codes	
Company Name: <u>Water Street, White Plains, NY</u>		Project Name: <u>Water Street, White Plains, NY</u>		Requested Analysis: <u>6/15/2022</u>		Matrix Codes: <u>6/15/2022</u>	
Street Address: <u>Water Street, White Plains, NY</u>		City: <u>White Plains, NY</u>		Date: <u>6/15/2022</u>		Date / Time: <u>6/15/2022</u>	
City: <u>White Plains, NY</u>		State: <u>NY</u>		City: <u>White Plains, NY</u>		State: <u>NY</u>	
Project Contact: <u>Michelle Jenkins@sgs.com</u>		Project #		Street Address		City	
Phone #		Client Purchase Order #		City		State	
Sample(s) Name(s)		Project Manager		City		State	
MM		Attention:		City		State	
SGS Sample #		Field ID / Point of Collection		MECHD Vol #		Date	
1A		GW-4		6/9/22		8:00:00 AM	
2A		GW-5		6/9/22		9:00:00 AM	
3A		GW-6		6/9/22		10:00:00 AM	
Turnaround Time ( Business days)		Approved By (SGS PM): / Date:		Data Deliverable Information		Comments / Special Instructions	
<input type="checkbox"/> Standard 10 Business Days <input type="checkbox"/> 9 Business Days RUSH <input type="checkbox"/> 3 Business Days RUSH <input type="checkbox"/> 2 Business Days RUSH <input type="checkbox"/> 1 Business Day EMERGENCY <input checked="" type="checkbox"/> Other 1/8/1900		<input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> FULLT1 (Level 3+4) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC Summary + Partial Raw data		<input type="checkbox"/> NYASP Category A <input type="checkbox"/> NYASP Category B <input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input checked="" type="checkbox"/> Other NYASPB		<input type="checkbox"/> Standard 10 Business Days <input type="checkbox"/> 9 Business Days RUSH <input type="checkbox"/> 3 Business Days RUSH <input type="checkbox"/> 2 Business Days RUSH <input type="checkbox"/> 1 Business Day EMERGENCY <input checked="" type="checkbox"/> Other 1/8/1900	
Emergency & Rush TAT data available via Lablink		Approval needed for RUSH/Emergency TAT		Commercial "A" = Results Only		Commercial "B" = Results + QC Summary	
Relinquished by: <u>1</u>		Date / Time: <u>6/15/2022</u>		Received By: <u>2</u>		Date / Time: <u>6/15/2022</u>	
Relinquished by: <u>3</u>		Date / Time: <u>6/15/2022</u>		Received By: <u>4</u>		Date / Time: <u>6/15/2022</u>	
Relinquished by: <u>5</u>		Date / Time: <u>6/15/2022</u>		Received By: <u>6</u>		Date / Time: <u>6/15/2022</u>	
Custody Seal #		<input type="checkbox"/> Intact <input type="checkbox"/> Not Intact		<input type="checkbox"/> Preserved where applicable <input type="checkbox"/> Abuse		On Job: <u>216</u> Cooler Temp: <u>4</u>	

INITIAL ASSESSMENT [Signature]

LABEL VERIFICATION [Signature]

JD46495: Chain of Custody  
 Page 1 of 2  
 SGS Orlando, FL

JD46495.xls



5.2  
5

## SGS Sample Receipt Summary

Job Number: JD46495

Client: SGS NJ

Project: 1 WATER STREET

Date / Time Received: 6/17/2022 9:30:00 AM

Delivery Method: FX

Airbill #s: \_\_\_\_\_

Therm ID: IR 1;

Therm CF: 0.4;

# of Coolers: 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (4.0);

**Cooler Information**

Y or N

- |                             |                                     |                          |
|-----------------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present    | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact     | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Temp criteria achieved   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Cooler temp verification | <u>IR Gun</u>                       |                          |
| 5. Cooler media             | <u>Ice (Bag)</u>                    |                          |

**Sample Information**

Y or N N/A

- |   |                                     |                                     |                                     |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Sample labels present on bottles                 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Samples preserved properly                       | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 3. Sufficient volume/containers recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Condition of sample                              | <u>Intact</u>                       |                                     |                                     |
| 5. Sample recvd within HT                           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 6. Dates/Times/IDs on COC match Sample Label        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 7. VOCs have headspace                              | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 8. Bottles received for unspecified tests           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 9. Compositing instructions clear                   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 10. Voa Soil Kits/Jars received past 48hrs?         | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 11. % Solids Jar received?                          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 12. Residual Chlorine Present?                      | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**Trip Blank Information**

Y or N N/A

- |                                |                          |                          |                                     |
|--------------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC    | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

W or S N/A

- |                        |                          |                          |                                     |
|------------------------|--------------------------|--------------------------|-------------------------------------|
| 3. Type Of TB Received | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|------------------------|--------------------------|--------------------------|-------------------------------------|

**Misc. Information**

Number of Encores: 25-Gram \_\_\_\_\_ 5-Gram \_\_\_\_\_ Number of 5035 Field Kits: \_\_\_\_\_ Number of Lab Filtered Metals: \_\_\_\_\_  
 Test Strip Lot #s: pH 0-3 230315 pH 10-12 219813A Other: (Specify) \_\_\_\_\_  
 Residual Chlorine Test Strip Lot #: \_\_\_\_\_

Comments

SM001 Rev. Date 05/24/17 Technician: NATHANS Date: 6/17/2022 9:30:00 AM Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

JD46495: Chain of Custody

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