SESI
CONSULTING ENGINEERS

Phase II Environmental Site Assessment Report

FOR

Proposed Development
35-39 Lawton Street
New Rochelle, 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
ELAP	Environmental laboratory Accreditation Program
EM	Electromagnetic
ESA	Environmental Site Assessment
ft-bgs	feet below ground surface
GPR	Ground Penetrating Radar
IPA	Isopropyl Alcohol
MEK	methyl ethyl ketone
MIBK	Methyl Isobutyl Ketone
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	Polycyclic aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
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

Acronym	Definition
TCE	Trichloroethylene
TCL	Target Compound List
USCO	Unrestricted Use Soil Cleanup Objective
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 Requestors, Serenity Marina LLC / c/o Stagg Group and Renaissance Downtowns at Lawton LLC c/o Donald Monti for the property located at 35-39 Lawton Street, New Rochelle, New York ("Site"). The Site is currently improved with a paved parking lot owned and operated by the City of New Rochelle, New York. A Site Location map is presented as **Figure 1.1**.

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

1.1 SITE SETTING

The Site consists of two (2) contiguous parcels totaling approximately 0.94 acres in size and identified as section/lot/block 1-0229-0056 and 1-0229-0023 on the Westchester County tax records. The Site is bounded to the north by a mixed-use four-story building; to the east by a CVS pharmacy, a four-story mixed-use building and North Avenue; to the south by a single-story retail building; and to the west by Lawton Street and the City of New Rochelle Library. The Site is currently improved with a paved parking lot owned and operated by the City of New Rochelle, New York. There are no structures or aboveground improvements other than light poles and pay stations. The nearest surface water body is Long Island Sound located approximately 0.6 miles east of the Site.

1.2 SITE HISTORY

Review of historical Sanborn maps has identified that the Site historical uses included a hotel, justice offices, a fire engine company, and lumber storage from 1887 to 1892. In 1892 the Site is also improved with a carriage maker near the northwestern portion of the Site and a florist on the northeastern portion of the Site. In 1896 the hotel is vacant and a saloon is located on the southwestern portion of the Site. In 1903 the former hotel is a plumber and the former lumber storage is wagon storage. In 1911 the former saloon is the Lawton Café, the plumbing company is retail stores, and a new structure labeled as Livery is located to the east. The fire engine company is storage and the former carriage maker is labeled as a Wood Work Wagon MFG and Printing. The florist is no longer depicted. In 1931, the wagon maker and printer are labeled as a Machine & Repair Shop. The structures labeled Storage and Stores have been razed and a

new larger building is depicted but not labeled. In 1942 the new building is labeled as Police Headquarters and no other structures are labeled. In 1951 a gas tank is depicted east of the Police Headquarters. Additionally, the City Directory lists a tailor and dry cleaner facility in 1964, a laboratory in the 1970's, and furniture sales thereafter. From 1990 to 2003 the Site is depicted as a parking lot.

2.0 SUBSURFACE INVESTIGATION

SESI conducted a Phase II ESA in order to evaluate subsurface conditions and to determine the location of potential underground storage tanks (USTs). The project included a geophysical survey, 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. The field work was conducted on June 13 and 14, 2022 in accordance with the Scope of Work and contract for services outlined in a Professional Services Agreement (Agreement) dated June 10, 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 13, 2022 to clear soil boring locations, as well as to search for a potential UST(s). No anomalies consistent with USTs were identified. Coastal's report is provided in **Appendix A**.

2.2 SITE INVESTIGATION

Nine (9) direct push borings were advanced using a Geoprobe 6620 direct-push sampling drill rig on the Site where historical operations are suspected to have occurred. A total of 18 soil samples collected at two (2) samples per boring, two (2) groundwater samples, three (3) sub-slab vapor samples and one (1) ambient air sample were collected. All samples collected were sent to SGS, a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory. The boring and sampling locations are shown in **Figure 2.1**.

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 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 that extended to depths ranging from 4± to 11± feet below the ground surface (ft-bgs). The fill material was noted to be primarily sand, with varying amounts of gravel and silt. Debris, including brick and concrete, was observed within the fill. Below the fill, the soil consisted of fine sand and silt. Refusal on presumed bedrock was encountered at depths ranging from 10 to 17 ft-bgs. Perched groundwater was encountered above the bedrock at a depth of approximately 13 ft-bgs in well borings TW-1 (SB-2) and TW-2 (SB-9).

The soil samples were screened using a photoionization detector (PID) and visual and olfactory evidence of contamination. Samples were collected from each boring from the interval that exhibited the greatest evidence of impacts or based upon professional judgment if no impacts were observed. All soil samples were named based on their respective soil boring number and specified depth. PID readings above background and petroleum staining and odors were recorded in boring SB-7 (23.1 ppm at 7-8 ft-bgs). PID readings and detailed soil descriptions are provided in the boring logs presented in **Appendix B**. **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-1	15	SB-1 (1.5-2)	1.5-2	Soil	TCL+30/TAL
		SB-1 (5.5-6)	5.5-6	Soil	TCL+30/TAL
SB-2	14	SB-2 (4.5-5)	4.5-5	Soil	TCL+30/TAL
		SB-2 (12-12.5)	12-12.5	Soil	TCL+30/TAL
SB-3	17	SB-3 (4-4.5)	4-4.5	Soil	TCL+30/TAL
		SB-3 (9-9.5)	9-9.5	Soil	TCL+30/TAL
SB-4	12	SB-4 (2.5-3)	2.5-3	Soil	TCL+30/TAL
		SB-4 (10-10.5)	10-10.5	Soil	TCL+30/TAL
SB-5	15	SB-5 (4.5-5)	4.5-5	Soil	TCL+30/TAL
		SB-5 (11-11.5)	11-11.5	Soil	TCL+30/TAL
SB-6	15	SB-6 (3-3.5)	3-3.5	Soil	TCL+30/TAL
		SB-6 (13-13.5)	13-13.5	Soil	TCL+30/TAL
SB-7	15	SB-7 (2-2.5)	2-2.5	Soil	TCL+30/TAL
		SB-7 (7-7.5)	7-7.5	Soil	TCL+30/TAL
SB-8	10	SB-8 (1.5-2)	1.5-2	Soil	TCL+30/TAL
		SB-8 (9.5-10)	9.5-10	Soil	TCL+30/TAL
SB-9	15	SB-9 (4-4.5)	1.5-2	Soil	TCL+30/TAL
		SB-9 (11-11.5)	11-11.5	Soil	TCL+30/TAL
TW-1	14	TW-1	9-14	Groundwater	TCL+30/TAL, PFAS, 1-4 dioxane
TW-2	15	TW-2	10-15	Groundwater	TCL+30/TAL, PFAS, 1-4 dioxane
SV-1	5	SV-1	5	Soil Vapor	TO-15
SV-2	5	SV-2	5	Soil Vapor	TO-15
SV-3	5	SV-3	5	Soil Vapor	TO-15
AA-1	NA	AA-1	NA	Ambient Air	TO-15

3.0 ANALYTICAL RESULTS

3.1 SOIL INVESTIGATION RESULTS

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

As presented on **Table 3.2** below, the soil testing results indicate USCO and RRSCO exceedances of various metals to depths of 12.5 ft-bgs. Specifically, metal exceedances of the RRSCOs include lead, arsenic and mercury to depths of 5 ft-bgs. The lead concentration detected at 2,670 mg/kg at SB-7 (2-2.5') may result in a hazardous lead leaching concentration. The metals lead, mercury, copper, zinc, arsenic and silver were detected at concentrations exceeding the USCOs. The resulting levels of metals exceedances are higher than the levels found in typical historic fill. Further delineation of the metal contamination will be necessary to evaluate remedial options.

The SVOC exceedances of the RRSCOs include polycyclic aromatic hydrocarbons (PAHs) such as benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, to depths of 5 ft-bgs. The PAHs benzo(k)fluoranthene and chrysene were detected at concentrations exceeding the RRSCOs to depths of 5 ft-bgs. The resulting levels of PAH exceedances are higher than the levels found in typical historic fill. PAH contamination will require further delineation to evaluate remedial options.

The pesticides 4,4'-DDE, 4,4'-DDD, and 4,4'-DDT were detected at concentrations exceeding the USCOs to depths of 12.5 ft-bgs.

Table 3.2: Summary of Soil Sample Exceedances

Sample Location	USCO	RRSCO	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)
Sample Date			6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			1.5-2	5.5-6	4.5-5	12-12.5	4.5-5	9-9.5
MS Semi-volatiles (SW846 8270E) (mg/Kg)								
Benzo(a)anthracene	1	1	0.689	ND (0.035)	0.0174 J	ND (0.037)	**5.25**	ND (0.036)
Benzo(a)pyrene	1	1	0.693	ND (0.035)	ND (0.036)	ND (0.037)	**3.19**	ND (0.036)
Benzo(b)fluoranthene	1	1	0.872	ND (0.035)	0.0177 J	ND (0.037)	**5.83**	ND (0.036)
Benzo(k)fluoranthene	0.8	3.9	0.345	ND (0.035)	ND (0.036)	ND (0.037)	**1.54**	ND (0.036)
Chrysene	1	3.9	0.731	ND (0.035)	0.0161 J	ND (0.037)	**5.14**	ND (0.036)
Dibenzo(a,h)anthracene	0.33	0.33	0.142	ND (0.035)	ND (0.036)	ND (0.037)	**0.661**	ND (0.036)
Indeno(1,2,3-cd)pyrene	0.5	0.5	**0.536**	ND (0.035)	ND (0.036)	ND (0.037)	**2.41**	ND (0.036)
GC/LC Semi-volatiles (SW846 8081B) (mg/Kg)								
4,4'-DDD	0.0033	13	ND (0.00075)	ND (0.00071)	0.0009	ND (0.00067)	0.0021	0.0025
4,4'-DDE	0.0033	8.9	0.0019	0.00077	ND (0.00068)	ND (0.00067)	0.0032	ND (0.00072)
4,4'-DDT	0.0033	7.9	**0.0041 B**	**0.0052 B**	**0.0205 B**	**0.0050 B**	**0.0047 B**	**0.0270 B**
Metals Analysis (mg/Kg)								
Arsenic	13	16	4.5	ND (2.2)	ND (2.2)	ND (2.2)	**16.1**	ND (2.2)
Copper	50	270	22.8	10.5	20.7	23.3	**54.5**	14.9
Lead	63	400	**184**	3.2	4.1	2.7	**210**	4
Mercury	0.18	0.81	**0.24**	ND (0.036)	ND (0.033)	ND (0.033)	**0.84**	ND (0.034)
Silver	2	180	ND (0.59)	ND (0.55)	0.64	1.1	1.2	**6**
Zinc	109	10000	108	31.2	36.1	**283**	**140**	26.5

Sample Location	USCO	RRSCO	SB-4(2.5-3)	SB-4(10-10.5)	SB-5(4.5-5)	SB-5(11-11.5)	SB-6(3-3.5)	SB-6(13-13.5)
Sample Date			6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/13/2022	6/13/2022
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			2.5-3	10-10.5	4.5-5	11-11.5	3-3.5	13-13.5
MS Semi-volatiles (SW846 8270E) (mg/Kg)								
Benzo(a)anthracene	1	1	**8.49**	NA	ND (0.037)	ND (0.040)	**1.81**	0.0196 J
Benzo(a)pyrene	1	1	**6.63**	NA	ND (0.037)	ND (0.040)	**1.75**	ND (0.034)
Benzo(b)fluoranthene	1	1	**8.86**	NA	ND (0.037)	ND (0.040)	**2.24**	0.0180 J
Benzo(k)fluoranthene	0.8	3.9	**2.7**	NA	ND (0.037)	ND (0.040)	**0.895**	ND (0.034)
Chrysene	1	3.9	**8.05**	NA	ND (0.037)	ND (0.040)	**1.92**	0.0184 J
Dibenzo(a,h)anthracene	0.33	0.33	**1.19**	NA	ND (0.037)	ND (0.040)	**0.355**	ND (0.034)
Indeno(1,2,3-cd)pyrene	0.5	0.5	**4.81**	NA	ND (0.037)	ND (0.040)	**1.25**	ND (0.034)
GC/LC Semi-volatiles (SW846 8081B) (mg/Kg)								
4,4'-DDD	0.0033	13	ND (0.00075)	NA	ND (0.00066)	ND (0.00079)	0.0027	**0.0035**
4,4'-DDE	0.0033	8.9	0.0017	NA	ND (0.00066)	ND (0.00079)	0.0019	ND (0.00064)
4,4'-DDT	0.0033	7.9	**0.0083 B**	NA	0.00078 B	**0.0036 B**	**0.0280 B**	**0.0369 B**
Metals Analysis (mg/Kg)								
Arsenic	13	16	5.6	NA	ND (2.2)	4.1	4.4	ND (2.2)
Copper	50	270	**87.2**	NA	18.8	12.9	32.4	14.4
Lead	63	400	**248**	NA	27	20.6	**262**	3.7
Mercury	0.18	0.81	**0.47**	NA	ND (0.032)	ND (0.039)	**0.35**	ND (0.029)
Silver	2	180	**2.1**	NA	ND (1.1)	1.1	0.67	ND (0.54)
Zinc	109	10000	**218**	NA	48.6	19	**153**	26.1

Sample Location	USCO	RRSCO	SB-7(2-2.5)	SB-7(7-7.5)	SB-8(1.5-2)	SB-8(9.5-10)	SB-9(4-4.5)	SB-9(11-11.5)
Sample Date			6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/13/2022	6/13/2022
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			2-2.5	7-7.5	1.5-2	9.5-10	4-4.5	11-11.5
MS Semi-volatiles (SW846 8270E) (mg/Kg)								
Benzo(a)anthracene	1	1	**7.32**	0.0212 J	0.243	0.323	0.497	ND (0.036)
Benzo(a)pyrene	1	1	**6.89**	ND (0.036)	0.197	0.244	0.514	ND (0.036)
Benzo(b)fluoranthene	1	1	**7.88**	ND (0.036)	0.256	0.304	0.685	ND (0.036)
Benzo(k)fluoranthene	0.8	3.9	**2.07**	ND (0.036)	0.0964	0.127	0.306	ND (0.036)
Chrysene	1	3.9	**6.4**	0.0173 J	0.245	0.302	0.525	ND (0.036)
Dibenzo(a,h)anthracene	0.33	0.33	**0.979**	ND (0.036)	0.042	0.0392	0.0987 J	ND (0.036)
Indeno(1,2,3-cd)pyrene	0.5	0.5	**5**	ND (0.036)	0.178	0.19	0.37	ND (0.036)
GC/LC Semi-volatiles (SW846 8081B) (mg/Kg)								
4,4'-DDD	0.0033	13	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)	**0.0197**	**0.026**
4,4'-DDE	0.0033	8.9	0.0022	ND (0.00072)	ND (0.00069)	ND (0.00070)	**0.0036**	0.0021
4,4'-DDT	0.0033	7.9	**0.0039 B**	0.00063 JB	0.0016 B	**0.0049 B**	**0.0576 B**	**0.0842 B**
Metals Analysis (mg/Kg)								
Arsenic	13	16	8.7	ND (2.2)	3.5	3.2	3.4	ND (2.1)
Copper	50	270	**78.4**	11.8	17.4	14.8	24.9	15.5
Lead	63	400	**2670**	3.5	**228**	**133**	57.6	2.9
Mercury	0.18	0.81	**2.9**	ND (0.035)	0.095	0.054	**0.21**	ND (0.034)
Silver	2	180	1.4	0.7	0.61	0.6	0.59	ND (2.7)
Zinc	109	10000	**552**	20.2	101	**139**	62.9	65.1

Notes:

Compound Exceeds the USCO
Compound Exceeds the RRSCO
Mg/kg = Milligrams per kilogram
U = Compound not detected
J = Concentration Estimated
B – Compound detected in laboratory blank
ND = Compound Not Detected

3.2 GROUNDWATER INVESTIGATION RESULTS

A summary table of the analytical results compared to NYSDEC Technical and Operational Guidance Series 1.1.1 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 C**.

As presented on **Table 3.4** below, the groundwater testing results indicate AWQS exceedances of three (3) metals--manganese, iron and sodium--and PFAS including perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). There is a PFOS exceedance at TW-1 (24.2 ng/L) in the southern part of the Site, and PFOS and PFOA exceedances at TW-2 (37.2 ng/L and 37.2 ng/L, respectively) in the northern part of the Site. Additional investigation of the PFAS

contamination is warranted to assess the extent of groundwater contamination at the Site as a result of the Site historic use as a fire engine company and to evaluate remedial options.

Table 3.4: Summary of Groundwater Exceedances

Client Sample ID:		NY TOGS Class Guidance Values (NYSDEC 6/2004)	TW-1	TW-2
Date Sampled:			6/14/2022	6/14/2022
Matrix:	Units		Ground Water	Ground Water
MS Semi-volatiles (EPA 537M BY ID)				
Perfluorooctanoic acid (PFOA)	ng/l	10	5.4	**37.2**
Perfluorooctanesulfonic acid (PFOS)	ng/l	10	**24.2**	**37.2**
Metals Analysis				
Iron	ug/l	300	**694**	102
Manganese	ug/l	300	**701**	<15
Sodium	ug/l	20000	**788000**	**565000**

Notes:

Compound Exceeds NYSDEC AWQS

Ug/L = Micrograms per liter
Ng/L = Nanograms per liter
U = Compound not detected
J = Concentration Estimated

3.3 SUB-SLAB/SOIL INVESTIGATION RESULTS

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 3.6** below and **Figure 3.3**. The laboratory analytical report is provided in **Appendix C**.

As presented on **Table 3.6** below, the results indicate the presence of petroleum-related compounds such as benzene, ethylbenzene, toluene, xylenes, hexane, heptane, trimethylbenzene, cyclohexane and trimethylpentane. The detections may be attributable to the historical USTs and/or machine and repair activities. Additional investigation of the petroleum VOCs is needed to evaluate the potential for soil vapor intrusion to future buildings.

In addition, there are compounds in the soil gas that are typically associated with chlorinated solvents such as tetrachloroethylene (PCE), trichloroethylene (TCE), methylene chloride and vinyl chloride. The concentration of these compounds was evaluated against the NYSDEC Soil Vapor/Indoor Air matrices. Based on the ambient air concentrations of PCE and TCE, no further action would be necessary if indoor air concentrations are < 1 µg/m^3 for TCE, and < 10 µg/m^3 for PCE and methylene chloride. However, this conclusion will have to be verified with indoor air samples collected concurrently with soil vapor samples.

Acetone was also detected in the soil vapor at all sampling locations. Other compounds such as dichlorodifluoromethane (Freon-12), trichlorofluoromethane (Freon 11), propylene (a fuel gas), methyl ethyl ketone (MEK), methyl isobutyl ketone (MIBK), and isopropyl alcohol (IPA) were also detected in soil gas. IPA, Freon 11, Freon 12, MEK, MIBK and acetone were also detected in ambient air.

Table 3.6: VOC Detections in Soil Vapor

Client Sample ID	NY-SSC-A:	NY-SSC-B	NY-SSC-C	SV-1	SV-2	SV-3	AA-1
Date Sampled				6/13/2022	6/13/2022	6/13/2022	6/13/2022
Matrix				Soil Vapor	Soil Vapor	Soil Vapor	Ambient Air
Sample Depth (ft)				5	5	5	5
MS Volatiles (TO-15) - (ug/m^3)							
1,2,4-Trimethylbenzene				**22**	**9.3**	**3.2 J**	ND (0.79)
1,3,5-Trimethylbenzene				**7.4**	**3.6 J**	ND (3.9)	ND (0.79)
2,2,4-Trimethylpentane				**6.1**	**4.4**	**7.5**	ND (0.75)
2-Hexanone				**11**	**17**	**4.5**	ND (0.65)
4-Ethyltoluene				**4.6 J**	**2.3 J**	ND (3.9)	ND (0.79)
Acetone (2-Propanone)				**118**	**354**	**280**	**14**
Benzene				**29**	**16**	**5.4**	**0.48 J**
Carbon disulfide				**52.6**	**22**	**37.7**	ND (0.50)
Chloroform				ND (4.9)	**2.6 J**	**3.5 J**	ND (0.78)
Chloromethane				**2.1**	ND (1.7)	**1.1 J**	**1.2**
Cyclohexane				**20**	**13**	**5.2**	ND (0.55)
Dichlorodifluoromethane				**6.9**	**2.4 J**	**1.9 J**	**1.7**
Ethanol				**15**	**22.4**	**43.3**	**9**
Ethyl Acetate				**4.3**	**5.8**	**4.3**	**4.7**
Ethylbenzene				**250**	**217**	**5.2**	**0.43 J**
Heptane				**12**	**14**	**8.2**	ND (0.66)
Hexane				**52.5**	**49.7**	**10**	**0.63**
Isopropyl Alcohol				**3.9**	**7.4**	**10**	**1.8**
m,p-Xylene				**1420**	**1120**	**23**	**1.6**
Methyl ethyl ketone				**14**	**42.2**	**20**	**1.4**
Methyl Isobutyl Ketone				**11**	**15**	**2.0 J**	**0.57 J**
Methylene chloride		100		**6.3**	**4.5**	**3.5**	**3.4**
o-Xylene				**856**	**630**	**10**	**0.61 J**
Propylene				**247**	**46.6**	**82.1**	ND (0.69)
Tertiary Butyl Alcohol				**22**	**25**	**142**	**0.28 J**
Tetrachloroethylene		100		**2.1**	**2.4**	**3.1**	**0.44**
Toluene				**693**	**731**	**57.3**	**1.2**
Trichloroethylene	6			ND (1.1)	ND (0.86)	**3.4**	ND (0.17)
Trichlorofluoromethane				**3.1**	ND (2.2)	ND (2.2)	**1.3**
Vinyl Acetate				ND (3.5)	**9.8**	**7.7**	**0.91**
Vinyl chloride			6	**2.3**	ND (0.41)	ND (0.41)	ND (0.082)
Xylenes (total)				**2280**	**1750**	**33**	**2.2**

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 soil testing results indicate RRSCO exceedances of various metals to depths of 10 ft-bgs. Specifically, metals exceedance of the RRSCOs consist of lead, arsenic and mercury to depths of 5 ft-bgs. The metals lead, mercury, copper, zinc, arsenic and silver were detected at concentrations exceeding the USCOs. The metals contamination is Site-wide and most likely related to the historic uses of the site that included a plumber, a lumber yard and wagon repair. The elevated lead contamination is most likely the result of the listed historic uses of metals. Further delineation of the metal contamination will be necessary to evaluate remedial options.

The SVOC exceedances of the RRSCOs include various PAHs to depths of 5 ft-bgs. The resulting PAH levels are not typical of historic fill material and most likely the result of the historic uses of the Site that included repair garages. Further delineation of this soil contamination is warranted to assess the extent of PAH contamination and to evaluate remedial options.

The groundwater testing results indicate AWQS exceedances of three metals manganese, iron and sodium and PFAS including PFOS and PFOA. Sodium occurs naturally in groundwater. However, sources such as road salt often cause elevated sodium levels in groundwater. Sodium is not considered harmful at normal levels of intake from combined food and drinking water sources. Iron and manganese also occur naturally in groundwater. Therefore, no further investigation of the sodium, iron and manganese exceedances is required.

There is a PFOS exceedance at TW-1 (24.2 ng/L) in the southern part of the Site, and PFOS and PFOA exceedances at TW-2 (37.2 ng/L and 37.2 ng/L, respectively) in the northern part of the Site. Additional investigation of the PFAS contamination is warranted to assess the extent of groundwater contamination at the Site as a result of the Site historic use as a fire engine company and to evaluate remedial options.

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The soil vapor testing results indicate the presence of petroleum-related compounds. This may be a result of possible discharges from the historic uses including a machine repair garage and the USTs that were historically present on the Site. Additional investigation of the petroleum VOCs is needed to evaluate the potential for soil vapor intrusion to future buildings.

There are also compounds in the soil gas that are typically associated with chlorinated solvents such as PCE, TCE, methylene chloride and vinyl chloride. The concentration of these compounds

was evaluated against the NYSDEC Soil Vapor/Indoor Air matrices. Based on the ambient air concentrations of PCE and TCE, no further action would be necessary if indoor air concentrations are < 1 µg/m^3 for TCE, and < 10 µg/m^3 for PCE and methylene chloride. However, this conclusion will have to be verified with indoor air samples collected concurrently with soil vapor samples.

Tables

Table 3.1- Soil Results Table
June 13, 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Sample Location	USCO	RRSCO	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)
Sample Date			6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/14/2022	6/14/2022
Sample ID			JD46592-1	JD46592-2	JD46592-3	JD46592-4	JD46592-5	JD46592-6	JD46592-7	JD46592-8	JD46592-9	JD46592-10	JD46674-1	JD46674-2
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			1.5-2	5.5-6	4.5-5	12-12.5	4.5-5	9-9.5	4-4.5	11-11.5	3-3.5	13-13.5	2.5-3	10-10.5
MS Volatiles (SW846 8260D)														
1,1,1-Trichloroethane	0.68	100	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
1,1,2,2-Tetrachloroethane	-		ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
1,1,2-Trichloroethane	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
1,1-Dichloroethane	0.27	26	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
1,1-Dichloroethene	0.33	100	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
1,2,3-Trichlorobenzene	-		ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
1,2,4-Trichlorobenzene	-		ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
1,2-Dibromo-3-chloropropane	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
1,2-Dibromoethane	-	-	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
1,2-Dichlorobenzene	1.1	100	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
1,2-Dichloroethane	0.02	3.1	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
1,2-Dichloropropane	-		ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
1,3-Dichlorobenzene	2.4	49	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
1,4-Dichlorobenzene	1.8	13	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
2-Butanone (MEK)	0.12	100	ND (0.011)	ND (0.0091)	ND (0.0089)	ND (0.0094)	0.0034 J	ND (0.0095)	ND (0.0096)	ND (0.0095)	ND (0.010)	ND (0.0088)	ND (0.011)	ND (0.011)
2-Hexanone	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
4-Methyl-2-pentanone(MIBK)	-		ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
Acetone	0.05	100	0.0077 J	ND (0.0091)	0.0059 J	ND (0.0094)	0.022	0.0045 J	0.0054 J	0.0039 J	0.0117	ND (0.0088)	ND (0.011)	ND (0.011)
Benzene	0.06	4.8	ND (0.00053)	ND (0.00046)	ND (0.00044)	ND (0.00047)	ND (0.00049)	ND (0.00047)	ND (0.00048)	ND (0.00048)	ND (0.00051)	ND (0.00044)	ND (0.00055)	ND (0.00057)
Bromochloromethane	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
Bromodichloromethane	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Bromoform	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
Bromomethane	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
Carbon disulfide	-		ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Carbon tetrachloride	0.76	2.4	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Chlorobenzene	1.1	100	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Chloroethane	-		ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
Chloroform	0.37	49	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Chloromethane	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
cis-1,2-Dichloroethene	0.25	100	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
cis-1,3-Dichloropropene	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Cyclohexane	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Dibromochloromethane	-		ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Dichlorodifluoromethane	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
Ethylbenzene	1	41	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
Freon 113	-		ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
Isopropylbenzene	-		ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
m,p-Xylene	0.26	100	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
Methyl Acetate	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
Methyl Tert Butyl Ether	0.93	100	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
Methylcyclohexane	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Methylene chloride	0.05	100	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)
o-Xylene	0.26	100	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
Styrene	-		ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Tetrachloroethene	1.3	19	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Toluene	0.7	100	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
trans-1,2-Dichloroethene	0.19	100	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
trans-1,3-Dichloropropene	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Trichloroethene	0.47	21	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
Trichlorofluoromethane	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)

Table 3.1- Soil Results Table
June 13, 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Sample Location	USCO	RRSCO	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)
Sample Date			6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/14/2022	6/14/2022
Sample ID			JD46592-1	JD46592-2	JD46592-3	JD46592-4	JD46592-5	JD46592-6	JD46592-7	JD46592-8	JD46592-9	JD46592-10	JD46674-1	JD46674-2
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			1.5-2	5.5-6	4.5-5	12-12.5	4.5-5	9-9.5	4-4.5	11-11.5	3-3.5	13-13.5	2.5-3	10-10.5
Vinyl chloride	0.02	0.9	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)
Xylene (total)	0.26	100	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)
MS Volatile TIC (mg/Kg)														
Total TIC, Volatile	-	-	0	0	0	0	0	0	0	0	0	0	0	0
MS Semi-volatiles (SW846														
1,1'-Biphenyl	-		0.0095 J	ND (0.070)	ND (0.072)	ND (0.073)	0.0692 J	ND (0.072)	ND (0.35)	ND (0.072)	0.0148 J	ND (0.068)	0.091	NA
1,2,4,5-Tetrachlorobenzene	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
1,4-Dioxane	0.1	13	ND (0.035)	ND (0.035)	ND (0.036)	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.18)	ND (0.036)	ND (0.036)	ND (0.034)	ND (0.036)	NA
2,2'-Oxybis(1-chloropropane)	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
2,3,4,6-Tetrachlorophenol	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
2,4,5-Trichlorophenol	-		ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
2,4,6-Trichlorophenol	-		ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
2,4-Dichlorophenol	-		ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
2,4-Dimethylphenol	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
2,4-Dinitrophenol	-		ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
2,4-Dinitrotoluene	-	-	ND (0.035)	ND (0.035)	ND (0.036)	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.18)	ND (0.036)	ND (0.036)	ND (0.034)	ND (0.036)	NA
2,6-Dinitrotoluene	-		ND (0.035)	ND (0.035)	ND (0.036)	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.18)	ND (0.036)	ND (0.036)	ND (0.034)	ND (0.036)	NA
2-Chloronaphthalene	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
2-Chlorophenol	-		ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
2-Methylnaphthalene	-		0.0259 J	ND (0.035)	ND (0.036)	ND (0.037)	0.139	ND (0.036)	ND (0.18)	ND (0.036)	0.0397	ND (0.034)	0.276	NA
2-Methylphenol	0.33	100	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
2-Nitroaniline	-		ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
2-Nitrophenol	-		ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
3&4-Methylphenol	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
3,3'-Dichlorobenzidine	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
3-Nitroaniline	-		ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
4,6-Dinitro-o-cresol	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
4-Bromophenyl phenyl ether	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
4-Chloro-3-methyl phenol	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
4-Chloroaniline	-		ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
4-Chlorophenyl phenyl ether	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
4-Nitroaniline	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
4-Nitrophenol	-		ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.36)	ND (1.8)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36)	NA
Acenaphthene	20	100	0.0686	ND (0.035)	ND (0.036)	ND (0.037)	0.826	ND (0.036)	ND (0.18)	ND (0.036)	0.152	ND (0.034)	1.57	NA
Acenaphthylene	100	100	0.068	ND (0.035)	ND (0.036)	ND (0.037)	0.176	ND (0.036)	ND (0.18)	ND (0.036)	0.231	ND (0.034)	0.12	NA
Acetophenone	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
Anthracene	100	100	0.178	ND (0.035)	ND (0.036)	ND (0.037)	1.64	ND (0.036)	0.145 J	ND (0.036)	0.461	ND (0.034)	2.83	NA
Atrazine	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
Benzaldehyde	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
Benzo(a)anthracene	1	1	0.689	ND (0.035)	0.0174 J	ND (0.037)	**5.25**	ND (0.036)	0.497	ND (0.036)	**1.81**	0.0196 J	**8.49**	NA
Benzo(a)pyrene	1	1	0.693	ND (0.035)	ND (0.036)	ND (0.037)	**3.19**	ND (0.036)	0.514	ND (0.036)	**1.75**	ND (0.034)	**6.63**	NA
Benzo(b)fluoranthene	1	1	0.872	ND (0.035)	0.0177 J	ND (0.037)	**5.83**	ND (0.036)	0.685	ND (0.036)	**2.24**	0.0180 J	**8.86**	NA
Benzo(g,h,i)perylene	100	100	0.449	ND (0.035)	ND (0.036)	ND (0.037)	1.92	ND (0.036)	0.293	ND (0.036)	1.03	ND (0.034)	3.83	NA
Benzo(k)fluoranthene	0.8	3.9	0.345	ND (0.035)	ND (0.036)	ND (0.037)	**1.54**	ND (0.036)	0.306	ND (0.036)	**0.895**	ND (0.034)	**2.7**	NA
bis(2-Chloroethoxy)methane	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
bis(2-Chloroethyl)ether	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
bis(2-Ethylhexyl)phthalate	-		0.0691 JB	0.0095 JB	0.0120 JB	0.0089 JB	0.0704 J	0.0089 JB	ND (0.35)	0.0125 JB	ND (0.071)	0.0107 JB	0.0283 J	NA
Butyl benzyl phthalate	-		ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
Caprolactam	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA

Table 3.1- Soil Results Table
June 13, 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Sample Location	USCO	RRSCO	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)
Sample Date			6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/14/2022	6/14/2022
Sample ID			JD46592-1	JD46592-2	JD46592-3	JD46592-4	JD46592-5	JD46592-6	JD46592-7	JD46592-8	JD46592-9	JD46592-10	JD46674-1	JD46674-2
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			1.5-2	5.5-6	4.5-5	12-12.5	4.5-5	9-9.5	4-4.5	11-11.5	3-3.5	13-13.5	2.5-3	10-10.5
Carbazole	-	-	0.078	ND (0.070)	ND (0.072)	ND (0.073)	0.884	ND (0.072)	0.0597 J	ND (0.072)	0.201	ND (0.068)	1.68	NA
Chrysene	1	3.9	0.731	ND (0.035)	0.0161 J	ND (0.037)	**5.14**	ND (0.036)	0.525	ND (0.036)	**1.92**	0.0184 J	**8.05**	NA
Di-n-butyl phthalate	-		0.0086 J	ND (0.070)	ND (0.072)	ND (0.073)	0.0100 J	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	0.0072 J	0.0103 J	NA
Di-n-octyl phthalate	-		ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
Dibenzo(a,h)anthracene	0.33	0.33	0.142	ND (0.035)	ND (0.036)	ND (0.037)	**0.661**	ND (0.036)	0.0987 J	ND (0.036)	**0.355**	ND (0.034)	**1.19**	NA
Dibenzofuran	7	59	0.0402 J	ND (0.070)	ND (0.072)	ND (0.073)	0.521	ND (0.072)	ND (0.35)	ND (0.072)	0.0756	ND (0.068)	0.78	NA
Diethyl phthalate	-		ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
Dimethyl phthalate	-		ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
Fluoranthene	100	100	1.06	ND (0.035)	0.0247 J	ND (0.037)	9	ND (0.036)	0.836	ND (0.036)	2.37	0.0342	15.5	NA
Fluorene	30	100	0.0581	ND (0.035)	ND (0.036)	ND (0.037)	0.797	ND (0.036)	ND (0.18)	ND (0.036)	0.136	ND (0.034)	1.35	NA
Hexachlorobenzene	0.33	1.2	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
Hexachlorobutadiene	-	-	ND (0.035)	ND (0.035)	ND (0.036)	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.18)	ND (0.036)	ND (0.036)	ND (0.034)	ND (0.036)	NA
Hexachlorocyclopentadiene	-		ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.36)	ND (1.8)	ND (0.36)	ND (0.36)	ND (0.34)	ND (0.36) [a]	NA
Hexachloroethane	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
Indeno(1,2,3-cd)pyrene	0.5	0.5	**0.536**	ND (0.035)	ND (0.036)	ND (0.037)	**2.41**	ND (0.036)	0.37	ND (0.036)	**1.25**	ND (0.034)	**4.81**	NA
Isophorone	-		ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
N-Nitroso-di-n-propylamine	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
N-Nitrosodiphenylamine	-		ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)	ND (0.18)	ND (0.17)	ND (0.18)	NA
Naphthalene	12	100	0.0477	ND (0.035)	0.0213 J	ND (0.037)	0.263	ND (0.036)	ND (0.18)	0.0183 J	0.0653	ND (0.034)	0.621	NA
Nitrobenzene	-	15	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
Pentachlorophenol	0.8	6.7	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.70)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15) [a]	NA
Phenanthrene	100	100	0.727	ND (0.035)	0.0174 J	ND (0.037)	8.59	ND (0.036)	0.526	ND (0.036)	1.51	0.0348	13.6	NA
Phenol	0.33	100	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)	ND (0.071)	ND (0.068)	ND (0.073)	NA
Pyrene	100	100	1.29	ND (0.035)	0.0266 J	ND (0.037)	9.96	ND (0.036)	0.885	0.0118 J	3.21	0.0362	14.1	NA
MS Semi-volatile TIC (mg/Kg)														
Total TIC, Semi-Volatile	-	-	3.25 J	0	0.33 J	0.38 J	15.19 J	0.35 J	0	0.17 J	8.44 J	0.34 J	29.45 J	NA
GC/LC Semi-volatiles (SW846														
4,4'-DDD	0.0033	13	ND (0.00075)	ND (0.00071)	0.0009	ND (0.00067)	0.0021	0.0025 [b]	**0.0197** [c]	**0.026**	0.0027 [b]	**0.0035**	ND (0.00075)	NA
4,4'-DDE	0.0033	8.9	0.0019 [d]	0.00077	ND (0.00068)	ND (0.00067)	0.0032	ND (0.00072)	**0.0036**	0.0021	0.0019 [d]	ND (0.00064)	0.0017	NA
4,4'-DDT	0.0033	7.9	**0.0041 B** [d]	**0.0052 B**	**0.0205 B**	**0.0050 B**	**0.0047 B** [d]	**0.0270 B**	**0.0576 B**	**0.0842 B**	**0.0280 B**	**0.0369 B**	**0.0083 B** [e]	NA
Aldrin	0.005	0.097	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
alpha-BHC	0.02	0.48	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
alpha-Chlordane	0.094	4.2	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	0.0023	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
beta-BHC	0.036	0.36	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
delta-BHC	0.04	100	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
Dieldrin	0.005	0.2	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	0.0013	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	0.0050 [d]	NA
Endosulfan sulfate	2.4	24	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
Endosulfan-I	2.4	24	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
Endosulfan-II	2.4	24	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
Endrin	0.014	11	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
Endrin aldehyde	-	-	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
Endrin ketone	-	-	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
gamma-BHC (Lindane)	0.1	1.3	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
gamma-Chlordane	-		ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	0.0028 [d]	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
Heptachlor	0.042	2.1	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
Heptachlor epoxide	-		ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)	ND (0.00069)	ND (0.00064)	ND (0.00075)	NA
Methoxychlor	-		ND (0.0015)	ND (0.0014)	ND (0.0014)	ND (0.0013)	ND (0.0015)	ND (0.0014)	ND (0.0014)	ND (0.0013)	ND (0.0014)	ND (0.0013)	ND (0.0015)	NA
Toxaphene	-	-	ND (0.019)	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.019)	NA

Table 3.1- Soil Results Table
June 13, 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Sample Location	USCO	RRSCO	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)
Sample Date			6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/14/2022	6/14/2022
Sample ID			JD46592-1	JD46592-2	JD46592-3	JD46592-4	JD46592-5	JD46592-6	JD46592-7	JD46592-8	JD46592-9	JD46592-10	JD46674-1	JD46674-2
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			1.5-2	5.5-6	4.5-5	12-12.5	4.5-5	9-9.5	4-4.5	11-11.5	3-3.5	13-13.5	2.5-3	10-10.5
GC/LC Semi-volatiles (SW846														
Aroclor 1016	0.1	1	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.032)	ND (0.037)	NA
Aroclor 1221	0.1	1	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.032)	ND (0.037)	NA
Aroclor 1232	0.1	1	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.032)	ND (0.037)	NA
Aroclor 1242	0.1	1	ND (0.037)	0.0182 J	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	0.0819	ND (0.034)	ND (0.035)	ND (0.032)	ND (0.037)	NA
Aroclor 1248	0.1	1	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.032)	ND (0.037)	NA
Aroclor 1254	0.1	1	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	0.0923	ND (0.034)	ND (0.035)	ND (0.032)	ND (0.037)	NA
Aroclor 1260	0.1	1	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.032)	ND (0.037)	NA
Aroclor 1262	0.1	1	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.032)	ND (0.037)	NA
Aroclor 1268	0.1	1	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.032)	ND (0.037)	NA
Metals Analysis (mg/Kg)														
Aluminum	-		8920	8640	11100	9260	7840	9190	7560	14600	9820	6520	16600	NA
Antimony	-		ND (2.4)	ND (2.2)	ND (2.2)	ND (2.2)	2.2	ND (2.2)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2.2)	ND (4.5) [g]	NA
Arsenic	13	16	4.5	ND (2.2)	ND (2.2)	ND (2.2)	**16.1**	ND (2.2)	3.4	ND (2.1)	4.4	ND (2.2)	5.6 [g]	NA
Barium	350	400	88.7	57.5	74.2	83.2	93.5	80.6	55.8	208	108	57.4	123	NA
Beryllium	7.2	72	0.36	0.32	0.48	ND (0.44) [g]	0.32	0.43	0.3	ND (1.1) [g]	0.43	0.32	0.58	NA
Cadmium	2.5	4.3	ND (0.59)	ND (0.55)	ND (0.54)	ND (0.55)	ND (0.54)	ND (0.55)	ND (0.52)	ND (0.54)	ND (0.55)	ND (0.54)	1.2 [g]	NA
Calcium	-		102000	939	1400	1450	60600	2130	49000	1270	62000	1880	11500	NA
Chromium	30	180	18.4	17.5	21.1	21.5	19.5	20.1	20.3	28.3	18.6	18.4	25.3	NA
Cobalt	-		ND (5.9)	5.7	9.1	ND (11) [g]	6.3	7.6	ND (5.2)	ND (27) [g]	5.9	7	9.4	NA
Copper	50	270	22.8	10.5	20.7	23.3	**54.5**	14.9	24.9	15.5	32.4	14.4	**87.2 [g]**	NA
Iron	-		**12800**	**11100**	**18900**	**16400**	**18900**	**14300**	**13100**	**20700**	**13400**	**12700**	**23400**	NA
Lead	63	400	**184**	3.2	4.1	2.7	**210**	4	57.6	2.9	**262**	3.7	**248 [g]**	NA
Magnesium	-	-	7530	2260	2460	3750	28500	2750	14900	7110	5840	2590	5190	NA
Manganese	1600	2000	233	275	578	332	265	295	238	308	303	171	287	NA
Mercury	0.18	0.81	**0.24**	ND (0.036)	ND (0.033)	ND (0.033)	**0.84**	ND (0.034)	**0.21**	ND (0.034)	**0.35**	ND (0.029)	**0.47**	NA
Nickel	30	310	12.9	10.8	20.8	19.3	17.1	14.6	12.7	28.4	15.9	17.2	24.2	NA
Potassium	-	-	1280	2240	3180	4520	1860	2310	1580	9900	2190	2970	1590	NA
Selenium	3.9	180	ND (2.4)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.1)	ND (2.1)	ND (2.2)	ND (2.2)	ND (4.5) [g]	NA
Silver	2	180	ND (0.59)	ND (0.55)	0.64	1.1 [g]	1.2	**6**	0.59	ND (2.7) [g]	0.67	ND (0.54)	**2.1 [g]**	NA
Sodium	-	-	ND (1200)	ND (1100)	ND (1100)	ND (1100)	ND (1100)	ND (1100)	ND (1000)	ND (1100)	ND (1100)	ND (1100)	ND (1100)	NA
Thallium	-		ND (1.2)	ND (1.1)	ND (1.1)	ND (2.2) [g]	ND (1.1)	ND (1.1)	ND (1.0)	ND (5.4) [g]	ND (1.1)	ND (1.1)	ND (2.3) [g]	NA
Vanadium	-		25.1	18.8	27.7	24.8	23.9	24.1	25.7	39.1	30.6	17.7	36.9	NA
Zinc	109	10000	108	31.2	36.1	**283**	**140**	26.5	62.9	65.1	**153**	26.1	**218**	NA
General Chemistry														
Cyanide (mg/Kg)	27	27	ND (0.29)	ND (0.23)	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.26)	ND (0.31)	ND (0.28)	ND (0.25)	NA
Solids, Percent	-	-	88.8	91.2	89.6	90	89.4	91.1	91.6	92.2	92.3	92	86.4	NA

NA - Not Analyzed
ND - Not Detected
Exceeds the NYSDEC Unrestricted Soil Celanup Objectives
Exceeds the NYSDEC Restricted Residential Soil Celanup Objectives

Table 3.1- Soil Results Table
June 13, 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Sample Location	USCO	RRSCO	SB-5(4.5-5)	SB-5(11-11.5)	SB-7(2-2.5)	SB-7(7-7.5)	SB-8(1.5-2)	SB-8(9.5-10)
Sample Date			6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Sample ID			JD46674-3	JD46674-4	JD46674-5	JD46674-6	JD46674-7	JD46674-8
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			4.5-5	11-11.5	2-2.5	7-7.5	1.5-2	9.5-10
MS Volatiles (SW846 8260D)								
1,1,1-Trichloroethane	0.68	100	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
1,1,2,2-Tetrachloroethane	-		ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
1,1,2-Trichloroethane	-	-	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
1,1-Dichloroethane	0.27	26	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
1,1-Dichloroethene	0.33	100	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
1,2,3-Trichlorobenzene	-		ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
1,2,4-Trichlorobenzene	-		ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
1,2-Dibromo-3-chloropropane	-	-	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
1,2-Dibromoethane	-	-	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
1,2-Dichlorobenzene	1.1	100	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
1,2-Dichloroethane	0.02	3.1	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
1,2-Dichloropropane	-		ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
1,3-Dichlorobenzene	2.4	49	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
1,4-Dichlorobenzene	1.8	13	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
2-Butanone (MEK)	0.12	100	ND (0.010)	ND (0.0098)	ND (0.0096)	0.0061 J	ND (0.0099)	ND (0.0095)
2-Hexanone	-	-	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
4-Methyl-2-pentanone(MIBK)	-		ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
Acetone	0.05	100	ND (0.010)	ND (0.0098)	ND (0.0096)	0.0499	ND (0.0099)	0.0046 J
Benzene	0.06	4.8	ND (0.00050)	ND (0.00049)	ND (0.00048)	ND (0.00060)	ND (0.00049)	ND (0.00047)
Bromochloromethane	-	-	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
Bromodichloromethane	-	-	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Bromoform	-	-	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
Bromomethane	-	-	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
Carbon disulfide	-		ND (0.0020)	ND (0.0020)	ND (0.0019)	0.00088 J	ND (0.0020)	ND (0.0019)
Carbon tetrachloride	0.76	2.4	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Chlorobenzene	1.1	100	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Chloroethane	-		ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
Chloroform	0.37	49	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Chloromethane	-	-	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
cis-1,2-Dichloroethene	0.25	100	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
cis-1,3-Dichloropropene	-	-	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Cyclohexane	-	-	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Dibromochloromethane	-		ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Dichlorodifluoromethane	-	-	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
Ethylbenzene	1	41	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
Freon 113	-		ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
Isopropylbenzene	-		ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
m,p-Xylene	0.26	100	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
Methyl Acetate	-	-	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
Methyl Tert Butyl Ether	0.93	100	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
Methylcyclohexane	-	-	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Methylene chloride	0.05	100	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)
o-Xylene	0.26	100	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
Styrene	-		ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Tetrachloroethene	1.3	19	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Toluene	0.7	100	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
trans-1,2-Dichloroethene	0.19	100	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
trans-1,3-Dichloropropene	-	-	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Trichloroethene	0.47	21	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
Trichlorofluoromethane	-	-	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)	ND (0.0049)	ND (0.0047)

Table 3.1- Soil Results Table
June 13, 2022
35-39 Lawton Street, New Rochelle, NY
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SESI Consulting Engineers

Sample Location	USCO	RRSCO	SB-5(4.5-5)	SB-5(11-11.5)	SB-7(2-2.5)	SB-7(7-7.5)	SB-8(1.5-2)	SB-8(9.5-10)
Sample Date			6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Sample ID			JD46674-3	JD46674-4	JD46674-5	JD46674-6	JD46674-7	JD46674-8
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			4.5-5	11-11.5	2-2.5	7-7.5	1.5-2	9.5-10
Vinyl chloride	0.02	0.9	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)	ND (0.0020)	ND (0.0019)
Xylene (total)	0.26	100	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)	ND (0.00099)	ND (0.00095)
MS Volatile TIC (mg/Kg)								
Total TIC, Volatile	-	-	0	0	0	0	0	0
MS Semi-volatiles (SW846								
1,1'-Biphenyl	-		ND (0.073)	ND (0.079)	0.0712 J	ND (0.072)	0.0062 J	ND (0.075)
1,2,4,5-Tetrachlorobenzene	-	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
1,4-Dioxane	0.1	13	ND (0.037)	ND (0.040)	ND (0.038)	ND (0.036)	ND (0.036)	ND (0.037)
2,2'-Oxybis(1-chloropropane)	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
2,3,4,6-Tetrachlorophenol	-	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
2,4,5-Trichlorophenol	-		ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
2,4,6-Trichlorophenol	-		ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
2,4-Dichlorophenol	-		ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
2,4-Dimethylphenol	-	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
2,4-Dinitrophenol	-		ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
2,4-Dinitrotoluene	-	-	ND (0.037)	ND (0.040)	ND (0.038)	ND (0.036)	ND (0.036)	ND (0.037)
2,6-Dinitrotoluene	-		ND (0.037)	ND (0.040)	ND (0.038)	ND (0.036)	ND (0.036)	ND (0.037)
2-Chloronaphthalene	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
2-Chlorophenol	-		ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
2-Methylnaphthalene	-		ND (0.037)	0.0118 J	0.201	ND (0.036)	0.0164 J	0.0103 J
2-Methylphenol	0.33	100	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
2-Nitroaniline	-		ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
2-Nitrophenol	-		ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
3&4-Methylphenol	-	-	ND (0.073)	ND (0.079)	0.0431 J	ND (0.072)	ND (0.072)	ND (0.075)
3,3'-Dichlorobenzidine	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
3-Nitroaniline	-		ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
4,6-Dinitro-o-cresol	-	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
4-Bromophenyl phenyl ether	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
4-Chloro-3-methyl phenol	-	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
4-Chloroaniline	-		ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
4-Chlorophenyl phenyl ether	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
4-Nitroaniline	-	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
4-Nitrophenol	-		ND (0.37)	ND (0.40)	ND (0.38)	ND (0.36)	ND (0.36)	ND (0.37)
Acenaphthene	20	100	ND (0.037)	ND (0.040)	0.689	0.0133 J	0.0308 J	0.0453
Acenaphthylene	100	100	ND (0.037)	ND (0.040)	0.661	ND (0.036)	0.0219 J	0.0250 J
Acetophenone	-	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
Anthracene	100	100	ND (0.037)	ND (0.040)	2.71	ND (0.036)	0.0703	0.105
Atrazine	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
Benzaldehyde	-	-	ND (0.18)	ND (0.20)	0.0550 J	ND (0.18)	ND (0.18)	ND (0.19)
Benzo(a)anthracene	1	1	ND (0.037)	ND (0.040)	**7.32**	0.0212 J	0.243	0.323
Benzo(a)pyrene	1	1	ND (0.037)	ND (0.040)	**6.89**	ND (0.036)	0.197	0.244
Benzo(b)fluoranthene	1	1	ND (0.037)	ND (0.040)	**7.88**	ND (0.036)	0.256	0.304
Benzo(g,h,i)perylene	100	100	ND (0.037)	ND (0.040)	4.29	0.0311 J	0.172	0.156
Benzo(k)fluoranthene	0.8	3.9	ND (0.037)	ND (0.040)	**2.07**	ND (0.036)	0.0964	0.127
bis(2-Chloroethoxy)methane	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
bis(2-Chloroethyl)ether	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
bis(2-Ethylhexyl)phthalate	-		ND (0.073)	ND (0.079)	0.0440 J	ND (0.072)	0.0283 J	ND (0.075)
Butyl benzyl phthalate	-		ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
Caprolactam	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)

Table 3.1- Soil Results Table
June 13, 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Sample Location	USCO	RRSCO	SB-5(4.5-5)	SB-5(11-11.5)	SB-7(2-2.5)	SB-7(7-7.5)	SB-8(1.5-2)	SB-8(9.5-10)
Sample Date			6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Sample ID			JD46674-3	JD46674-4	JD46674-5	JD46674-6	JD46674-7	JD46674-8
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			4.5-5	11-11.5	2-2.5	7-7.5	1.5-2	9.5-10
Carbazole	-	-	ND (0.073)	ND (0.079)	0.687	ND (0.072)	0.0304 J	0.0471 J
Chrysene	1	3.9	ND (0.037)	ND (0.040)	**6.4**	0.0173 J	0.245	0.302
Di-n-butyl phthalate	-		ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
Di-n-octyl phthalate	-		ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
Dibenzo(a,h)anthracene	0.33	0.33	ND (0.037)	ND (0.040)	**0.979**	ND (0.036)	0.042	0.0392
Dibenzofuran	7	59	ND (0.073)	ND (0.079)	0.519	ND (0.072)	0.0155 J	0.0248 J
Diethyl phthalate	-		ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
Dimethyl phthalate	-		ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
Fluoranthene	100	100	ND (0.037)	ND (0.040)	15	0.0436	0.483	0.659
Fluorene	30	100	ND (0.037)	ND (0.040)	0.979	ND (0.036)	0.0287 J	0.0457
Hexachlorobenzene	0.33	1.2	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
Hexachlorobutadiene	-	-	ND (0.037)	ND (0.040)	ND (0.038)	ND (0.036)	ND (0.036)	ND (0.037)
Hexachlorocyclopentadiene	-		ND (0.37) [a]	ND (0.40) [a]	ND (0.38) [a]	ND (0.36) [a]	ND (0.36) [a]	ND (0.37) [a]
Hexachloroethane	-	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND (0.037)	ND (0.040)	**5**	ND (0.036)	0.178	0.19
Isophorone	-		ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
N-Nitroso-di-n-propylamine	-	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
N-Nitrosodiphenylamine	-		ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)	ND (0.18)	ND (0.19)
Naphthalene	12	100	ND (0.037)	0.0144 J	0.394	ND (0.036)	0.0207 J	0.0192 J
Nitrobenzene	-	15	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)	ND (0.072)	ND (0.075)
Pentachlorophenol	0.8	6.7	ND (0.15) [a]	ND (0.16) [a]	ND (0.15) [a]	ND (0.14) [a]	ND (0.14) [a]	ND (0.15) [a]
Phenanthrene	100	100	ND (0.037)	0.0143 J	10.9	ND (0.036)	0.308	0.46
Phenol	0.33	100	ND (0.073)	ND (0.079)	0.0222 J	ND (0.072)	ND (0.072)	ND (0.075)
Pyrene	100	100	ND (0.037)	ND (0.040)	15.1	0.0904	0.478	0.644
MS Semi-volatile TIC (mg/Kg)								
Total TIC, Semi-Volatile	-	-	0	0	25.89 J	5.67 J	0.99 J	2.3 J
GC/LC Semi-volatiles (SW846								
4,4'-DDD	0.0033	13	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
4,4'-DDE	0.0033	8.9	ND (0.00066)	ND (0.00079)	0.0022	ND (0.00072)	ND (0.00069)	ND (0.00070)
4,4'-DDT	0.0033	7.9	0.00078 B [f]	**0.0036 B [f]**	**0.0039 B**	0.00063 JB	0.0016 B [f]	**0.0049 B [e]**
Aldrin	0.005	0.097	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
alpha-BHC	0.02	0.48	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
alpha-Chlordane	0.094	4.2	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
beta-BHC	0.036	0.36	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
delta-BHC	0.04	100	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
Dieldrin	0.005	0.2	ND (0.00066)	ND (0.00079)	0.0018 [d]	ND (0.00072)	ND (0.00069)	ND (0.00070)
Endosulfan sulfate	2.4	24	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
Endosulfan-I	2.4	24	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
Endosulfan-II	2.4	24	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
Endrin	0.014	11	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
Endrin aldehyde	-	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
Endrin ketone	-	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
gamma-BHC (Lindane)	0.1	1.3	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
gamma-Chlordane	-		ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
Heptachlor	0.042	2.1	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
Heptachlor epoxide	-		ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
Methoxychlor	-		ND (0.0013)	ND (0.0016)	ND (0.0015)	ND (0.0014)	ND (0.0014)	ND (0.0014)
Toxaphene	-	-	ND (0.016)	ND (0.020)	ND (0.019)	ND (0.018)	ND (0.017)	ND (0.018)

Table 3.1- Soil Results Table
June 13, 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Sample Location	USCO	RRSCO	SB-5(4.5-5)	SB-5(11-11.5)	SB-7(2-2.5)	SB-7(7-7.5)	SB-8(1.5-2)	SB-8(9.5-10)
Sample Date			6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Sample ID			JD46674-3	JD46674-4	JD46674-5	JD46674-6	JD46674-7	JD46674-8
Sample Type			Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth (ft)			4.5-5	11-11.5	2-2.5	7-7.5	1.5-2	9.5-10
GC/LC Semi-volatiles (SW846								
Aroclor 1016	0.1	1	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)	ND (0.034)	ND (0.035)
Aroclor 1221	0.1	1	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)	ND (0.034)	ND (0.035)
Aroclor 1232	0.1	1	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)	ND (0.034)	ND (0.035)
Aroclor 1242	0.1	1	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)	ND (0.034)	ND (0.035)
Aroclor 1248	0.1	1	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)	ND (0.034)	ND (0.035)
Aroclor 1254	0.1	1	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)	ND (0.034)	ND (0.035)
Aroclor 1260	0.1	1	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)	ND (0.034)	ND (0.035)
Aroclor 1262	0.1	1	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)	ND (0.034)	ND (0.035)
Aroclor 1268	0.1	1	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)	ND (0.034)	ND (0.035)
Metals Analysis (mg/Kg)								
Aluminum	-		11000	3820	8600	7570	7740	6600
Antimony	-		ND (4.4) [g]	ND (2.5)	115	ND (2.2)	ND (2.3)	ND (2.3)
Arsenic	13	16	ND (2.2)	4.1	8.7	ND (2.2)	3.5	3.2
Barium	350	400	126	52.2	223	45.8	104	121
Beryllium	7.2	72	0.61 [g]	0.47	0.43	0.34	0.37	0.3
Cadmium	2.5	4.3	ND (0.54)	ND (0.64)	0.84	ND (0.55)	ND (0.57)	ND (0.58)
Calcium	-		2610	1690	21000	1400	50200	61800
Chromium	30	180	25.9	14.1	23.6	15.1	12.8	13.6
Cobalt	-		14.4 [g]	ND (6.4)	6.8	ND (5.5)	ND (5.7)	ND (5.8)
Copper	50	270	18.8	12.9	**78.4**	11.8	17.4	14.8
Iron	-		**17800**	**16200**	**19200**	**12700**	**11100**	**11400**
Lead	63	400	27	20.6	**2670**	3.5	**228**	**133**
Magnesium	-	-	4800	1520	9960	1590	10400	12700
Manganese	1600	2000	448	696	300	333	204	169
Mercury	0.18	0.81	ND (0.032)	ND (0.039)	**2.9**	ND (0.035)	0.095	0.054
Nickel	30	310	23.2	17.1	15.7	12.9	13.7	8.5
Potassium	-	-	5270	1370	1970	1830	1420	ND (1200)
Selenium	3.9	180	ND (2.2)	ND (2.5)	ND (2.3)	ND (2.2)	ND (2.3)	ND (2.3)
Silver	2	180	ND (1.1) [g]	1.1	1.4	0.7	0.61	0.6
Sodium	-	-	ND (1100)	ND (1300)	ND (1100)	ND (1100)	ND (1100)	ND (1200)
Thallium	-		ND (2.2) [g]	ND (1.3)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.2)
Vanadium	-		29.1	18.6	21.5	15.5	18	18.3
Zinc	109	10000	48.6	19	**552**	20.2	101	**139**
General Chemistry								
Cyanide (mg/Kg)	27	27	ND (0.25)	ND (0.31)	0.26	ND (0.26)	ND (0.29)	ND (0.26)
Solids, Percent	-	-	91	81	85.5	91.2	87.2	87.8

NA - Not Analyzed
ND - Not Detected
Exceeds the NYSD
Exceeds the NYSD

Table 3.3 - Groundwater Analytical Table
June 14 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class	TW-1		TW-2		TB-20220614	
Lab Sample ID:			GA GW Std. and	JD46674-9		JD46674-10		JD46674-11	
Date Sampled:			Guidance Values	6/14/2022		6/14/2022		6/14/2022	
Matrix:	CAS#		(NYSDEC 6/2004)	Ground Water		Ground Water		Trip Blank Water	
MS Volatiles (SW846 8260D)									
Acetone	67-64-1	ug/l	50	4.3	J	ND (10)		ND (10)	
Benzene	71-43-2	ug/l	1	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)	
Bromodichloromethane	75-27-4	ug/l	50	ND (1.0)		ND (1.0)		ND (1.0)	
Bromoform	75-25-2	ug/l	50	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)	
2-Butanone (MEK)	78-93-3	ug/l	50	ND (10)		ND (10)		ND (10)	
Carbon disulfide	75-15-0	ug/l	60	ND (2.0)		ND (2.0)		ND (2.0)	
Carbon tetrachloride	56-23-5	ug/l	5	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)	
Chloroethane	75-00-3	ug/l	5	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)	
Chloromethane	74-87-3	ug/l	5	ND (1.0)		ND (1.0)		ND (1.0)	
Cyclohexane	110-82-7	ug/l	-	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)	
Dibromochloromethane	124-48-1	ug/l	50	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)	
1,2-Dichlorobenzene	95-50-1	ug/l	3	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)	
1,4-Dichlorobenzene	106-46-7	ug/l	3	ND (1.0)		ND (1.0)		ND (1.0)	
Dichlorodifluoromethane	75-71-8	ug/l	5	ND (2.0)		ND (2.0)		ND (2.0)	
1,1-Dichloroethane	75-34-3	ug/l	5	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)	
1,1-Dichloroethene	75-35-4	ug/l	5	ND (1.0)		ND (1.0)		ND (1.0)	
cis-1,2-Dichloroethene	156-59-2	ug/l	5	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)	
1,2-Dichloropropane	78-87-5	ug/l	1	ND (1.0)		ND (1.0)		ND (1.0)	

Table 3.3 - Groundwater Analytical Table
June 14 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class	TW-1		TW-2		TB-20220614	
Lab Sample ID:			GA GW Std. and	JD46674-9		JD46674-10		JD46674-11	
Date Sampled:			Guidance Values	6/14/2022		6/14/2022		6/14/2022	
Matrix:	CAS#		(NYSDEC 6/2004)	Ground Water		Ground Water		Trip Blank Water	
cis-1,3-Dichloropropene	10061-01-5	ug/l	-	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)	
Ethylbenzene	100-41-4	ug/l	5	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)	
2-Hexanone	591-78-6	ug/l	50	ND (5.0)		ND (5.0)		ND (5.0)	
Isopropylbenzene	98-82-8	ug/l	5	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)	
Methylcyclohexane	108-87-2	ug/l	-	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)	
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	-	ND (5.0)		ND (5.0)		ND (5.0)	
Methylene chloride	75-09-2	ug/l	5	ND (2.0)		ND (2.0)		ND (2.0)	
Styrene	100-42-5	ug/l	5	ND (1.0)		ND (1.0)		ND (1.0)	
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5	ND (1.0)		ND (1.0)		ND (1.0)	
Tetrachloroethene	127-18-4	ug/l	5	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)	
1,2,3-Trichlorobenzene	87-61-6	ug/l	5	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)	
1,1,1-Trichloroethane	71-55-6	ug/l	5	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)	
Trichloroethene	79-01-6	ug/l	5	ND (1.0)		ND (1.0)		ND (1.0)	
Trichlorofluoromethane	75-69-4	ug/l	5	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)	
m,p-Xylene		ug/l	5	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)	
Xylene (total)	1330-20-7	ug/l	5	ND (1.0)		ND (1.0)		ND (1.0)	
MS Volatile TIC									
Total TIC, Volatile		ug/l	-	0		0		0	

Table 3.3 - Groundwater Analytical Table
June 14 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class	TW-1		TW-2		TB-20220614	
Lab Sample ID:			GA GW Std. and	JD46674-9		JD46674-10		JD46674-11	
Date Sampled:			Guidance Values	6/14/2022		6/14/2022		6/14/2022	
Matrix:	CAS#		(NYSDEC 6/2004)	Ground Water		Ground Water		Trip Blank Water	
MS Semi-volatiles (EPA 537M BY ID)									
Perfluorobutanoic acid	375-22-4	ng/l	-	7.6		21.5		-	
Perfluoropentanoic acid	2706-90-3	ng/l	-	6.6		46.5		-	
Perfluorohexanoic acid	307-24-4	ng/l	-	3.1		24		-	
Perfluoroheptanoic acid	375-85-9	ng/l	-	2.4		15.4		-	
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	10	5.4		**37.2**		-	
Perfluorononanoic acid	375-95-1	ng/l	-	4.1		7.6		-	
Perfluorodecanoic acid	335-76-2	ng/l	-	ND (2.0)		6.9		-	
Perfluoroundecanoic acid	2058-94-8	ng/l	-	ND (2.0)		1.6	J	-	
Perfluorododecanoic acid	307-55-1	ng/l	-	ND (2.0)		ND (2.0)		-	
Perfluorotridecanoic acid	72629-94-8	ng/l	-	ND (2.0)		ND (2.0)		-	
Perfluorotetradecanoic acid	376-06-7	ng/l	-	ND (10)		ND (2.0)		-	
Perfluorobutanesulfonic acid	375-73-5	ng/l	-	7		8.7		-	
Perfluorohexanesulfonic acid	355-46-4	ng/l	-	ND (2.0)		2.6		-	
Perfluoroheptanesulfonic acid	375-92-8	ng/l	-	ND (2.0)		ND (2.0)		-	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	10	**24.2**		**37.2**		-	
Perfluorodecanesulfonic acid	335-77-3	ng/l	-	ND (2.0)		ND (2.0)		-	
PFOSA	754-91-6	ng/l	-	ND (4.0)		ND (4.0)		-	
MeFOSAA	2355-31-9	ng/l	-	ND (4.0)		ND (4.0)		-	
EtFOSAA	2991-50-6	ng/l	-	ND (4.0)		ND (4.0)		-	
6:2 Fluorotelomer sulfonate	27619-97-2	ng/l	-	ND (8.0)		ND (8.0)		-	
8:2 Fluorotelomer sulfonate	39108-34-4	ng/l	-	ND (8.0)		ND (8.0)		-	
MS Semi-volatiles (SW846 8270E)									
2-Chlorophenol	95-57-8	ug/l	-	ND (5.0)		ND (5.0)		-	
4-Chloro-3-methyl phenol	59-50-7	ug/l	-	ND (5.0)		ND (5.0)		-	
2,4-Dichlorophenol	120-83-2	ug/l	1	ND (2.0)		ND (2.0)		-	
2,4-Dimethylphenol	105-67-9	ug/l	1	ND (5.0)		ND (5.0)		-	

Table 3.3 - Groundwater Analytical Table
June 14 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class	TW-1		TW-2		TB-20220614	
Lab Sample ID:			GA GW Std. and	JD46674-9		JD46674-10		JD46674-11	
Date Sampled:			Guidance Values	6/14/2022		6/14/2022		6/14/2022	
Matrix:	CAS#		(NYSDEC 6/2004)	Ground Water		Ground Water		Trip Blank Water	
2,4-Dinitrophenol	51-28-5	ug/l	1	ND (5.0)		ND (5.0)		-	
4,6-Dinitro-o-cresol	534-52-1	ug/l	-	ND (5.0)		ND (5.0)		-	
2-Methylphenol	95-48-7	ug/l	-	ND (2.0)		ND (2.0)		-	
3&4-Methylphenol		ug/l	-	ND (2.0)		ND (2.0)		-	
2-Nitrophenol	88-75-5	ug/l	-	ND (5.0)		ND (5.0)		-	
4-Nitrophenol	100-02-7	ug/l	-	ND (10)		ND (10)		-	
Pentachlorophenol	87-86-5	ug/l	1	ND (4.0)		ND (4.0)		-	
Phenol	108-95-2	ug/l	1	ND (2.0)		ND (2.0)		-	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	-	ND (5.0)		ND (5.0)		-	
2,4,5-Trichlorophenol	95-95-4	ug/l	-	ND (5.0)		ND (5.0)		-	
2,4,6-Trichlorophenol	88-06-2	ug/l	-	ND (5.0)		ND (5.0)		-	
Acenaphthene	83-32-9	ug/l	20	ND (1.0)		ND (1.0)		-	
Acenaphthylene	208-96-8	ug/l	-	ND (1.0)		ND (1.0)		-	
Acetophenone	98-86-2	ug/l	-	0.54	J	ND (2.0)		-	
Anthracene	120-12-7	ug/l	50	ND (1.0)		ND (1.0)		-	
Atrazine	1912-24-9	ug/l	7.5	ND (2.0)		ND (2.0)		-	
Benzaldehyde	100-52-7	ug/l	-	ND (5.0)		ND (5.0)		-	
Benzo(a)anthracene	56-55-3	ug/l	0.002	ND (1.0)		ND (1.0)		-	
Benzo(a)pyrene	50-32-8	ug/l	ND	ND (1.0)		ND (1.0)		-	
Benzo(b)fluoranthene	205-99-2	ug/l	0.002	ND (1.0)		ND (1.0)		-	
Benzo(g,h,i)perylene	191-24-2	ug/l	-	ND (1.0)		ND (1.0)		-	
Benzo(k)fluoranthene	207-08-9	ug/l	0.002	ND (1.0)		ND (1.0)		-	
4-Bromophenyl phenyl ether	101-55-3	ug/l	-	ND (2.0)		ND (2.0)		-	
Butyl benzyl phthalate	85-68-7	ug/l	50	ND (2.0)		ND (2.0)		-	
1,1'-Biphenyl	92-52-4	ug/l	5	ND (1.0)		ND (1.0)		-	
2-Chloronaphthalene	91-58-7	ug/l	-	ND (2.0)		ND (2.0)		-	
4-Chloroaniline	106-47-8	ug/l	5	ND (5.0)		ND (5.0)		-	
Carbazole	86-74-8	ug/l	-	ND (1.0)		ND (1.0)		-	
Caprolactam	105-60-2	ug/l	-	ND (2.0)		ND (2.0)		-	
Chrysene	218-01-9	ug/l	0.002	ND (1.0)		ND (1.0)		-	

Table 3.3 - Groundwater Analytical Table
June 14 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class	TW-1		TW-2		TB-20220614	
Lab Sample ID:			GA GW Std. and	JD46674-9		JD46674-10		JD46674-11	
Date Sampled:			Guidance Values	6/14/2022		6/14/2022		6/14/2022	
Matrix:	CAS#		(NYSDEC 6/2004)	Ground Water		Ground Water		Trip Blank Water	
bis(2-Chloroethoxy)methane	111-91-1	ug/l	5	ND (2.0)		ND (2.0)		-	
bis(2-Chloroethyl)ether	111-44-4	ug/l	1	ND (2.0)		ND (2.0)		-	
2,2'-Oxybis(1-chloropropane)	108-60-1	ug/l	5	ND (2.0)		ND (2.0)		-	
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	-	ND (2.0)		ND (2.0)		-	
2,4-Dinitrotoluene	121-14-2	ug/l	5	ND (1.0)		ND (1.0)		-	
2,6-Dinitrotoluene	606-20-2	ug/l	5	ND (1.0)		ND (1.0)		-	
3,3'-Dichlorobenzidine	91-94-1	ug/l	5	ND (2.0)		ND (2.0)		-	
1,4-Dioxane	123-91-1	ug/l	-	ND (1.0)		ND (1.0)		-	
Dibenzo(a,h)anthracene	53-70-3	ug/l	-	ND (1.0)		ND (1.0)		-	
Dibenzofuran	132-64-9	ug/l	-	ND (5.0)		ND (5.0)		-	
Di-n-butyl phthalate	84-74-2	ug/l	50	ND (2.0)		ND (2.0)		-	
Di-n-octyl phthalate	117-84-0	ug/l	50	ND (2.0)		ND (2.0)		-	
Diethyl phthalate	84-66-2	ug/l	50	ND (2.0)		ND (2.0)		-	
Dimethyl phthalate	131-11-3	ug/l	50	ND (2.0)		ND (2.0)		-	
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	5	ND (2.0)		ND (2.0)		-	
Fluoranthene	206-44-0	ug/l	50	ND (1.0)		ND (1.0)		-	
Fluorene	86-73-7	ug/l	50	ND (1.0)		ND (1.0)		-	
Hexachlorobenzene	118-74-1	ug/l	0.04	ND (1.0)		ND (1.0)		-	
Hexachlorobutadiene	87-68-3	ug/l	0.5	ND (1.0)		ND (1.0)		-	
Hexachlorocyclopentadiene	77-47-4	ug/l	5	ND (10)		ND (10)		-	
Hexachloroethane	67-72-1	ug/l	5	ND (2.0)		ND (2.0)		-	
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	0.002	ND (1.0)		ND (1.0)		-	
Isophorone	78-59-1	ug/l	50	ND (2.0)		ND (2.0)		-	
2-Methylnaphthalene	91-57-6	ug/l	-	ND (1.0)		ND (1.0)		-	
2-Nitroaniline	88-74-4	ug/l	5	ND (5.0)		ND (5.0)		-	
3-Nitroaniline	99-09-2	ug/l	5	ND (5.0)		ND (5.0)		-	
4-Nitroaniline	100-01-6	ug/l	5	ND (5.0)		ND (5.0)		-	
Naphthalene	91-20-3	ug/l	10	ND (1.0)		ND (1.0)		-	
Nitrobenzene	98-95-3	ug/l	0.4	ND (2.0)		ND (2.0)		-	
N-Nitroso-di-n-propylamine	621-64-7	ug/l	-	ND (2.0)		ND (2.0)		-	

Table 3.3 - Groundwater Analytical Table
June 14 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class	TW-1		TW-2		TB-20220614	
Lab Sample ID:			GA GW Std. and	JD46674-9		JD46674-10		JD46674-11	
Date Sampled:			Guidance Values	6/14/2022		6/14/2022		6/14/2022	
Matrix:	CAS#		(NYSDEC 6/2004)	Ground Water		Ground Water		Trip Blank Water	
N-Nitrosodiphenylamine	86-30-6	ug/l	50	ND (5.0)		ND (5.0)		-	
Phenanthrene	85-01-8	ug/l	50	ND (1.0)		ND (1.0)		-	
Pyrene	129-00-0	ug/l	50	ND (1.0)		ND (1.0)		-	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	5	ND (2.0)		ND (2.0)		-	
MS Semi-volatiles (SW846 8270E BY									
1,4-Dioxane	123-91-1	ug/l	-	ND (0.10)		ND (0.10)		-	
MS Semi-volatile TIC									
Total TIC, Semi-Volatile		ug/l	-	27.6	J	0		-	
GC/LC Semi-volatiles (SW846 8081B)									
Aldrin	309-00-2	ug/l	ND	ND (0.0049)		ND (0.0049)		-	
alpha-BHC	319-84-6	ug/l	0.01	ND (0.0049)		ND (0.0049)		-	
beta-BHC	319-85-7	ug/l	0.04	ND (0.0049)		ND (0.0049)		-	
delta-BHC	319-86-8	ug/l	0.04	ND (0.0049)		ND (0.0049)		-	
gamma-BHC (Lindane)	58-89-9	ug/l	0.05	ND (0.0049)		ND (0.0049)		-	
alpha-Chlordane	5103-71-9	ug/l	-	ND (0.0049)		ND (0.0049)		-	
gamma-Chlordane	5103-74-2	ug/l	-	ND (0.0049)		ND (0.0049)		-	
Dieldrin	60-57-1	ug/l	0.004	ND (0.0049)		ND (0.0049)		-	
4,4'-DDD	72-54-8	ug/l	0.3	ND (0.0049)		ND (0.0049)		-	
4,4'-DDE	72-55-9	ug/l	0.2	ND (0.0049)		ND (0.0049)		-	
4,4'-DDT	50-29-3	ug/l	0.2	ND (0.0049)		0.017	B	-	
Endrin	72-20-8	ug/l	ND	ND (0.0049)		ND (0.0049)		-	
Endosulfan sulfate	1031-07-8	ug/l	-	ND (0.0049)		ND (0.0049)		-	
Endrin aldehyde	7421-93-4	ug/l	5	ND (0.0049)		ND (0.0049)		-	
Endrin ketone	53494-70-5	ug/l	5	ND (0.0049)		ND (0.0049)		-	

Table 3.3 - Groundwater Analytical Table
June 14 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class	TW-1		TW-2		TB-20220614	
Lab Sample ID:			GA GW Std. and	JD46674-9		JD46674-10		JD46674-11	
Date Sampled:			Guidance Values	6/14/2022		6/14/2022		6/14/2022	
Matrix:	CAS#		(NYSDEC 6/2004)	Ground Water		Ground Water		Trip Blank Water	
Endosulfan-I	959-98-8	ug/l	-	ND (0.0049)		ND (0.0049)		-	
Endosulfan-II	33213-65-9	ug/l	-	ND (0.0049)		ND (0.0049)		-	
Heptachlor	76-44-8	ug/l	0.04	ND (0.0049)		ND (0.0049)		-	
Heptachlor epoxide	1024-57-3	ug/l	0.03	ND (0.0049)		ND (0.0049)		-	
Methoxychlor	72-43-5	ug/l	35	ND (0.0098)		ND (0.0098)		-	
Toxaphene	8001-35-2	ug/l	0.06	ND (0.12)		ND (0.12)		-	
GC/LC Semi-volatiles (SW846 8082A)									
Aroclor 1016	12674-11-2	ug/l	0.09	ND (0.25)		ND (0.25)		-	
Aroclor 1221	11104-28-2	ug/l	0.09	ND (0.25)		ND (0.25)		-	
Aroclor 1232	11141-16-5	ug/l	0.09	ND (0.25)		ND (0.25)		-	
Aroclor 1242	53469-21-9	ug/l	0.09	ND (0.25)		ND (0.25)		-	
Aroclor 1248	12672-29-6	ug/l	0.09	ND (0.25)		ND (0.25)		-	
Aroclor 1254	11097-69-1	ug/l	0.09	ND (0.25)		ND (0.25)		-	
Aroclor 1260	11096-82-5	ug/l	0.09	ND (0.25)		ND (0.25)		-	
Aroclor 1268	11100-14-4	ug/l	0.09	ND (0.25)		ND (0.25)		-	
Aroclor 1262	37324-23-5	ug/l	0.09	ND (0.25)		ND (0.25)		-	
Metals Analysis									
Aluminum	7429-90-5	ug/l	-	262		<200		-	
Antimony	7440-36-0	ug/l	3	<6.0		<6.0		-	
Arsenic	7440-38-2	ug/l	25	<3.0		<3.0		-	
Barium	7440-39-3	ug/l	1000	<200		<200		-	
Beryllium	7440-41-7	ug/l	-	<1.0		<1.0		-	
Cadmium	7440-43-9	ug/l	5	<3.0		<3.0		-	
Calcium	7440-70-2	ug/l	-	172000		120000		-	
Chromium	7440-47-3	ug/l	50	<10		13		-	
Cobalt	7440-48-4	ug/l	-	<50		<50		-	

Table 3.3 - Groundwater Analytical Table
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Project No. 12529
SESI Consulting Engineers

Client Sample ID:			NY TOGS Class	TW-1		TW-2		TB-20220614	
Lab Sample ID:			GA GW Std. and	JD46674-9		JD46674-10		JD46674-11	
Date Sampled:			Guidance Values	6/14/2022		6/14/2022		6/14/2022	
Matrix:	CAS#		(NYSDEC 6/2004)	Ground Water		Ground Water		Trip Blank Water	
Copper	7440-50-8	ug/l	200	<10		<10		-	
Iron	7439-89-6	ug/l	300	**694**		102		-	
Lead	7439-92-1	ug/l	25	<3.0		<3.0		-	
Magnesium	7439-95-4	ug/l	-	34900		21800		-	
Manganese	7439-96-5	ug/l	300	**701**		<15		-	
Mercury	7439-97-6	ug/l	0.7	<0.20		<0.20		-	
Nickel	7440-02-0	ug/l	100	11.6		<10		-	
Potassium	7440-09-7	ug/l	-	16100		22100		-	
Selenium	7782-49-2	ug/l	10	<10		<10		-	
Silver	7440-22-4	ug/l	50	<10		<10		-	
Sodium	7440-23-5	ug/l	20000	**788000**		**565000**		-	
Thallium	7440-28-0	ug/l	-	<10		<10		-	
Vanadium	7440-62-2	ug/l	-	<50		<50		-	
Zinc	7440-66-6	ug/l	-	103		<20		-	
General Chemistry									
Cyanide	57-12-5	mg/l	0.2	0.025		<0.010		-	

NYSDEC - New York State Department of Environmental Conservation
AWQS - Ambient Water Quality Standards
ND - Compound not detected
ug/l - Micrograms per liter
mg/l - Miligrams per liter
- Concentration of compound exceeds the AWQS

Table 3.5 - Soil Vapor Analytical Table
June 14 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529

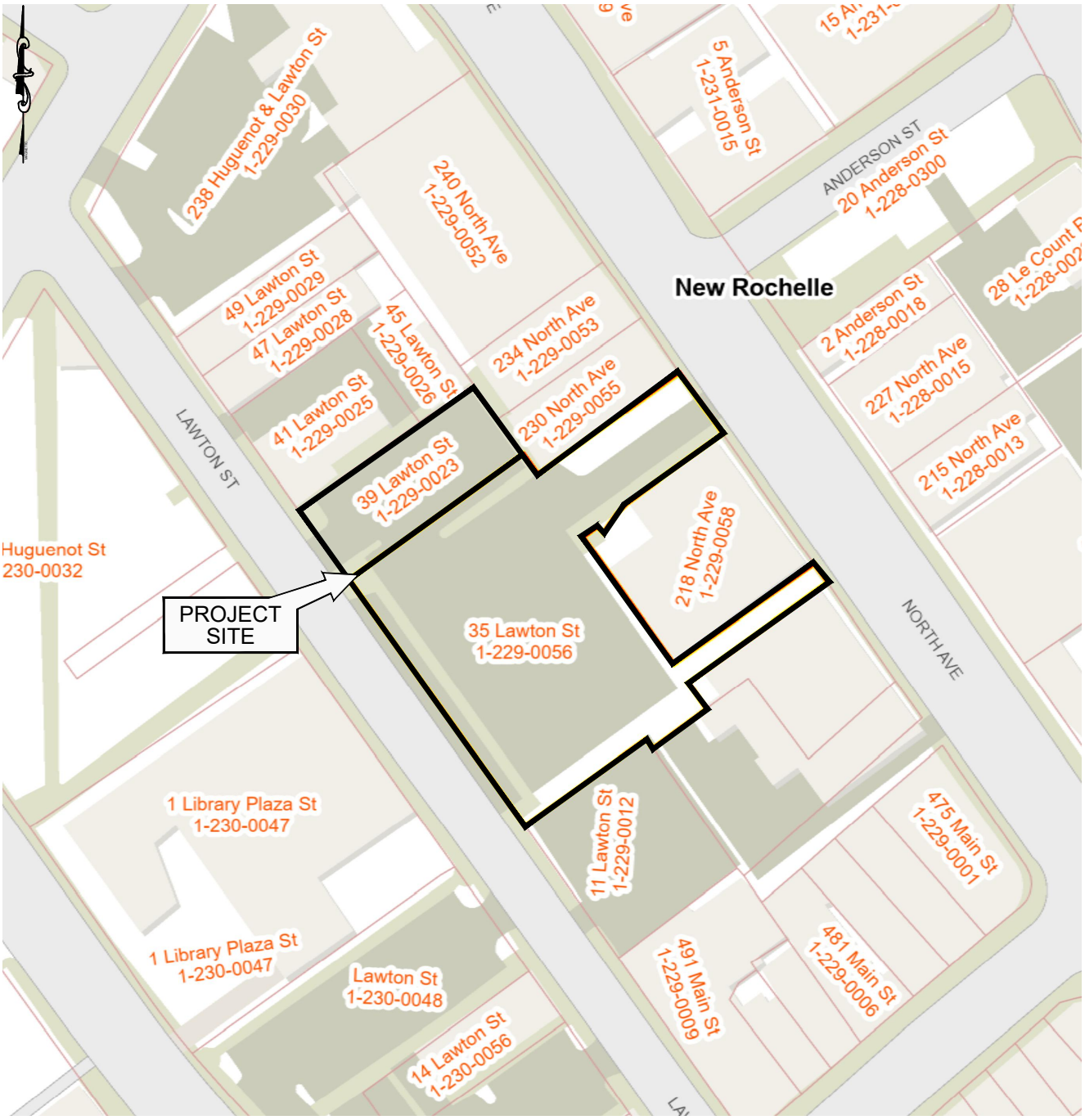
Client Sample ID	NY-SSC-A:	NY-SSC-B	NY-SSC-C	SV-1	SV-2	SV-3	AA-1
Lab Sample ID				JD46624-1	JD46624-2	JD46624-3	JD46624-4
Date Sampled				6/13/2022	6/13/2022	6/13/2022	6/13/2022
Matrix				Soil Vapor	Soil Vapor	Soil Vapor	Ambient Air
Sample Depth (ft)				5	5	5	5
MS Volatiles (TO-15) - (ug/m^3)							
1,1,1-Trichloroethane		100		ND (2.7)	ND (2.2)	ND (2.2)	ND (0.44)
1,1,2,2-Tetrachloroethane				ND (3.4)	ND (2.7)	ND (2.7)	ND (0.55)
1,1,2-Trichloroethane				ND (2.7)	ND (2.2)	ND (2.2)	ND (0.44)
1,1-Dichloroethane	6			ND (4.0)	ND (3.2)	ND (3.2)	ND (0.65)
1,1-Dichloroethylene				ND (0.79)	ND (0.63)	ND (0.63)	ND (0.13)
1,2,4-Trichlorobenzene				ND (3.7) [a]	ND (3.0) [a]	ND (3.0) [a]	ND (0.59) [a]
1,2,4-Trimethylbenzene				**22**	**9.3**	**3.2 J**	ND (0.79)
1,2-Dibromoethane (EDB)				ND (3.8)	ND (3.1)	ND (3.1)	ND (0.61)
1,2-Dichloroethane				ND (4.0)	ND (3.2)	ND (3.2)	ND (0.65)
1,2-Dichloropropane				ND (4.6)	ND (3.7)	ND (3.7)	ND (0.74)
1,3,5-Trimethylbenzene				**7.4**	**3.6 J**	ND (3.9)	ND (0.79)
1,3-Butadiene				ND (2.2)	ND (1.8)	ND (1.8)	ND (0.35)
1,4-Dioxane				ND (3.6)	ND (2.9)	ND (2.9)	ND (0.58)
2,2,4-Trimethylpentane				**6.1**	**4.4**	**7.5**	ND (0.75)
2-Chlorotoluene				ND (5.2)	ND (4.1)	ND (4.1)	ND (0.83)
2-Hexanone				**11**	**17**	**4.5**	ND (0.65)
3-Chloropropene				ND (3.1)	ND (2.5)	ND (2.5)	ND (0.50)
4-Ethyltoluene				**4.6 J**	**2.3 J**	ND (3.9)	ND (0.79)
Acetone (2-Propanone)				**118**	**354**	**280**	**14**
Benzene				**29**	**16**	**5.4**	**0.48 J**
Benzyl Chloride				ND (5.2)	ND (4.1)	ND (4.1)	ND (0.82)
Bromodichloromethane				ND (3.3)	ND (2.7)	ND (2.7)	ND (0.54)
Bromoethene				ND (4.4)	ND (3.5)	ND (3.5)	ND (0.70)
Bromoform				ND (2.1)	ND (1.7)	ND (1.7)	ND (0.33)
Bromomethane				ND (3.9)	ND (3.1)	ND (3.1)	ND (0.62)
Carbon disulfide				**52.6**	**22**	**37.7**	ND (0.50)
Carbon tetrachloride	6			ND (1.3)	ND (1.0)	ND (1.0)	ND (0.20)
Chlorobenzene				ND (4.6)	ND (3.7)	ND (3.7)	ND (0.74)
Chloroethane				ND (2.6)	ND (2.1)	ND (2.1)	ND (0.42)
Chloroform				ND (4.9)	**2.6 J**	**3.5 J**	ND (0.78)
Chloromethane				**2.1**	ND (1.7)	**1.1 J**	**1.2**
cis-1,2-Dichloroethylene	6			ND (0.79)	ND (0.63)	ND (0.63)	ND (0.13)
cis-1,3-Dichloropropene				ND (4.5)	ND (3.6)	ND (3.6)	ND (0.73)
Cyclohexane				**20**	**13**	**5.2**	ND (0.55)
Dibromochloromethane				ND (4.3)	ND (3.4)	ND (3.4)	ND (0.68)
Dichlorodifluoromethane				**6.9**	**2.4 J**	**1.9 J**	**1.7**
Ethanol				**15**	**22.4**	**43.3**	**9**
Ethyl Acetate				**4.3**	**5.8**	**4.3**	**4.7**
Ethylbenzene				**250**	**217**	**5.2**	**0.43 J**
Freon 113				ND (3.8)	ND (3.1)	ND (3.1)	ND (0.61)
Freon 114				ND (3.5)	ND (2.8)	ND (2.8)	ND (0.56)
Heptane				**12**	**14**	**8.2**	ND (0.66)
Hexachlorobutadiene				ND (4.8) [a]	ND (3.8) [a]	ND (3.8) [a]	ND (0.77) [a]
Hexane				**52.5**	**49.7**	**10**	**0.63**
Isopropyl Alcohol				**3.9**	**7.4**	**10**	**1.8**
m,p-Xylene				**1420**	**1120**	**23**	**1.6**
m-Dichlorobenzene				ND (3.0) [a]	ND (2.4) [a]	ND (2.4) [a]	ND (0.48) [a]
Methyl ethyl ketone				**14**	**42.2**	**20**	**1.4**
Methyl Isobutyl Ketone				**11**	**15**	**2.0 J**	**0.57 J**

Table 3.5 - Soil Vapor Analytical Table
June 14 2022
35-39 Lawton Street, New Rochelle, NY
Project No. 12529

Client Sample ID	NY-SSC-A:	NY-SSC-B	NY-SSC-C	SV-1	SV-2	SV-3	AA-1
Lab Sample ID				JD46624-1	JD46624-2	JD46624-3	JD46624-4
Date Sampled				6/13/2022	6/13/2022	6/13/2022	6/13/2022
Matrix				Soil Vapor	Soil Vapor	Soil Vapor	Ambient Air
Sample Depth (ft)				5	5	5	5
Methyl Tert Butyl Ether				ND (3.6)	ND (2.9)	ND (2.9)	ND (0.58)
Methylene chloride		100		**6.3**	**4.5**	**3.5**	**3.4**
Methylmethacrylate				ND (4.1)	ND (3.3)	ND (3.3)	ND (0.66)
o-Dichlorobenzene				ND (1.2) [a]	ND (0.96) [a]	ND (0.96) [a]	ND (0.19) [a]
o-Xylene				**856**	**630**	**10**	**0.61 J**
p-Dichlorobenzene				ND (3.0)	ND (2.4)	ND (2.4)	ND (0.48)
Propylene				**247**	**46.6**	**82.1**	ND (0.69)
Styrene				ND (4.3)	ND (3.4)	ND (3.4)	ND (0.68)
Tertiary Butyl Alcohol				**22**	**25**	**142**	**0.28 J**
Tetrachloroethylene		100		**2.1**	**2.4**	**3.1**	**0.44**
Tetrahydrofuran				ND (2.9)	ND (2.4)	ND (2.4)	ND (0.47)
Toluene				**693**	**731**	**57.3**	**1.2**
trans-1,2-Dichloroethylene				ND (4.0)	ND (3.2)	ND (3.2)	ND (0.63)
trans-1,3-Dichloropropene				ND (4.5)	ND (3.6)	ND (3.6)	ND (0.73)
Trichloroethylene	6			ND (1.1)	ND (0.86)	**3.4**	ND (0.17)
Trichlorofluoromethane				**3.1**	ND (2.2)	ND (2.2)	**1.3**
Vinyl Acetate				ND (3.5)	**9.8**	**7.7**	**0.91**
Vinyl chloride			6	**2.3**	ND (0.41)	ND (0.41)	ND (0.082)
Xylenes (total)				**2280**	**1750**	**33**	**2.2**

Result Detected **(BOLD)**
Result Exceeds Criteria

Figures



Scale 1"=100'

0 100 200

REFERENCE:
ALL INFORMATION TAKEN FROM WESTCHESTERGOVE.COM GIS TAXMAP OUTPUT.

FIG 1.1

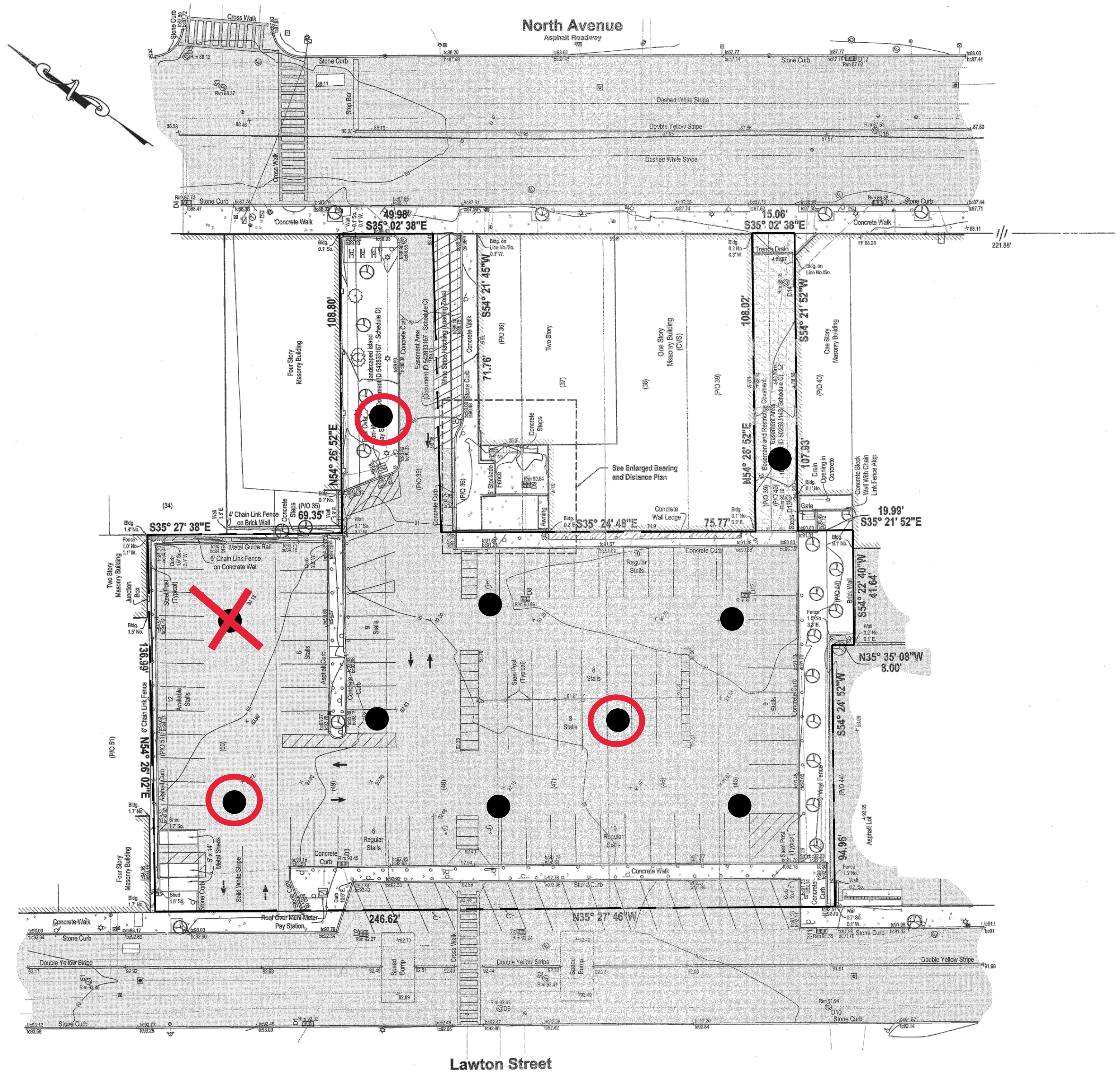
PHASE II ESA
PARCEL #1-229-0056 AND 1-229-0023
35-39 LAWTON STREET
NEW ROCHELLE, NY 10801

TAX MAP

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

DRAWN BY: AG
CHECKED BY: CM
SCALE: AS NOTED
DATE: 08/12/2022
JOB NO.: 12529

N:\ACAD\12529\CAD\ENVIRONMENTAL\PHASE I\12529_FIGS.DWG 08/12/22 11:07:06AM, apg, LAYOUT:FIG 1.1



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

LEGEND:

- ● - PROPOSED BORING APPROX. LOCATION
- ○ PROPOSED GROUNDWATER AND VAPOR SAMPLE LOCATIONS
- ▬ ▬ ▬ - PROPERTY BOUNDARY

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY FOR RENNAISANCE DOWNTOWNS" PREPARED BY H2M ARCHITECT + ENGINEERS, DAVED 5/2/2017.

Scale 1"=50'
0 50 100

N:\ACAD\12529\CAD\12529-PROP BORINGS.DWG 06/06/22 04:08:41PM, yelena.zolotova, LAYOUT:FIG-1

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

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CONSULTING ENGINEERS
CERT. OF AUTH. # 24GA27934700
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

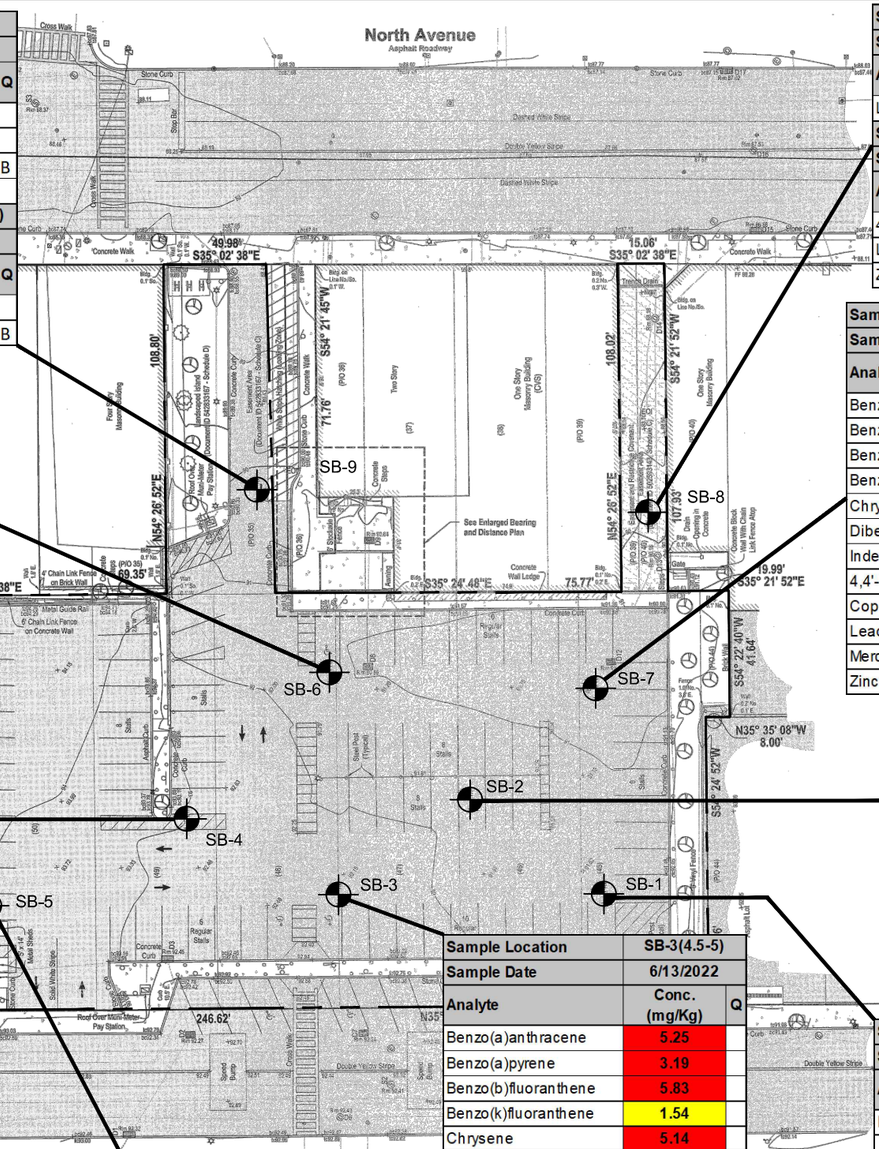
project: PROPERTY OF BENJAMIN SEACORD
P/O LOTS 35, 36, 39, 40, 44, & 51
AND LOTS 45 THRU 50

title: PROPOSED BORING PLAN

job no: 12529
drawing no:

FIG- 2.1

1 of 1



Sample Location	SB-6(3-3.5)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
Benzo(a)anthracene	1.81	
Benzo(a)pyrene	1.75	
Benzo(b)fluoranthene	2.24	
Benzo(k)fluoranthene	0.895	
Chrysene	1.92	
Dibenzo(a,h)anthracene	0.355	
Indeno(1,2,3-cd)pyrene	1.25	
4,4'-DDT	0.028	B
Lead	262	
Mercury	0.35	
Zinc	153	
Sample Location	SB-6(13-13.5)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
4,4'-DDD	0.0035	
4,4'-DDT	0.0369	B

Sample Location	SB-9(4-4.5)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
4,4'-DDD	0.0197	
4,4'-DDE	0.0036	
4,4'-DDT	0.0576	B
Mercury	0.21	
Sample Location	SB-9(11-11.5)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
4,4'-DDD	0.026	
4,4'-DDT	0.0842	B

Sample Location	SB-8(1.5-2)	
Sample Date	6/14/2022	
Analyte	Conc. (mg/Kg)	Q
Lead	228	
Sample Location	SB-8(9.5-10)	
Sample Date	6/14/2022	
Analyte	Conc. (mg/Kg)	Q
4,4'-DDT	0.0049	B
Lead	133	
Zinc	139	

Sample Location	SB-7(2-2.5)	
Sample Date	6/14/2022	
Analyte	Conc. (mg/Kg)	Q
Benzo(a)anthracene	7.32	
Benzo(a)pyrene	6.89	
Benzo(b)fluoranthene	7.88	
Benzo(k)fluoranthene	2.07	
Chrysene	6.4	
Dibenzo(a,h)anthracene	0.979	
Indeno(1,2,3-cd)pyrene	5	
4,4'-DDT	0.0039	B
Copper	78.4	
Lead	2670	
Mercury	2.9	
Zinc	552	

Sample Location	SB-4(2.5-3)	
Sample Date	6/14/2022	
Analyte	Conc. (mg/Kg)	Q
Benzo(a)anthracene	8.49	
Benzo(a)pyrene	6.63	
Benzo(b)fluoranthene	8.86	
Benzo(k)fluoranthene	2.7	
Chrysene	8.05	
Dibenzo(a,h)anthracene	1.19	
Indeno(1,2,3-cd)pyrene	4.81	
4,4'-DDT	0.0083	B
Copper	87.2	
Lead	248	
Mercury	0.47	
Silver	2.1 [9]	
Zinc	218	

Sample Location	SB-2(4.5-5)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
4,4'-DDT	0.0205	B
Sample Location	SB-2(12-12.5)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
4,4'-DDT	0.005	B
Zinc	283	

Sample Location	SB-5(11-11.5)	
Sample Date	6/14/2022	
Analyte	Conc. (mg/Kg)	Q
4,4'-DDT	0.0036	B

Sample Location	SB-3(4.5-5)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
Benzo(a)anthracene	5.25	
Benzo(a)pyrene	3.19	
Benzo(b)fluoranthene	5.83	
Benzo(k)fluoranthene	1.54	
Chrysene	5.14	
Dibenzo(a,h)anthracene	0.661	
Indeno(1,2,3-cd)pyrene	2.41	
4,4'-DDT	0.0047	B
Arsenic	16.1	
Copper	54.5	
Lead	210	
Mercury	0.84	
Zinc	140	
Sample Location	SB-3(9-9.5)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
4,4'-DDT	0.027	B
Silver	6	

Sample Location	SB-1(1.5-2)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
Indeno(1,2,3-cd)pyrene	0.536	
4,4'-DDT	0.0041	B
Lead	184	
Mercury	0.24	
Sample Location	SB-1(5.5-6)	
Sample Date	6/13/2022	
Analyte	Conc. (mg/Kg)	Q
4,4'-DDT	0.0052	B

ANALYTE	USCO	RRSCO
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33
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'-DDT	0.0033	7.9
Arsenic	13	16
Copper	50	270
Iron	-	
Lead	63	400
Mercury	0.18	0.81
Silver	2	180
Zinc	109	10000

Exceeds the NYSDEC Unrestricted Soil Celanup Objectives

Exceeds the NYSDEC Restricted Residential Soil Celanup Objectives

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

LEGEND:

SB-1 - PROPOSED SOIL BORING SAMPLE NUMBER AND APPROX. LOCATION

\- - - - - - PROPERTY BOUNDARY

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY FOR RENNAISANCE DOWNTOWNS" PREPARED BY H2M ARCHITECT + ENGINEERS, DATED 5/2/2017.

Scale 1"=50'
0 50 100

dwg by: AG
chk by: SG
scale: AS NOTED
date: 07/20/2022

CERT. OF AUTH. # 24GA27934700
SESI CONSULTING ENGINEERS
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

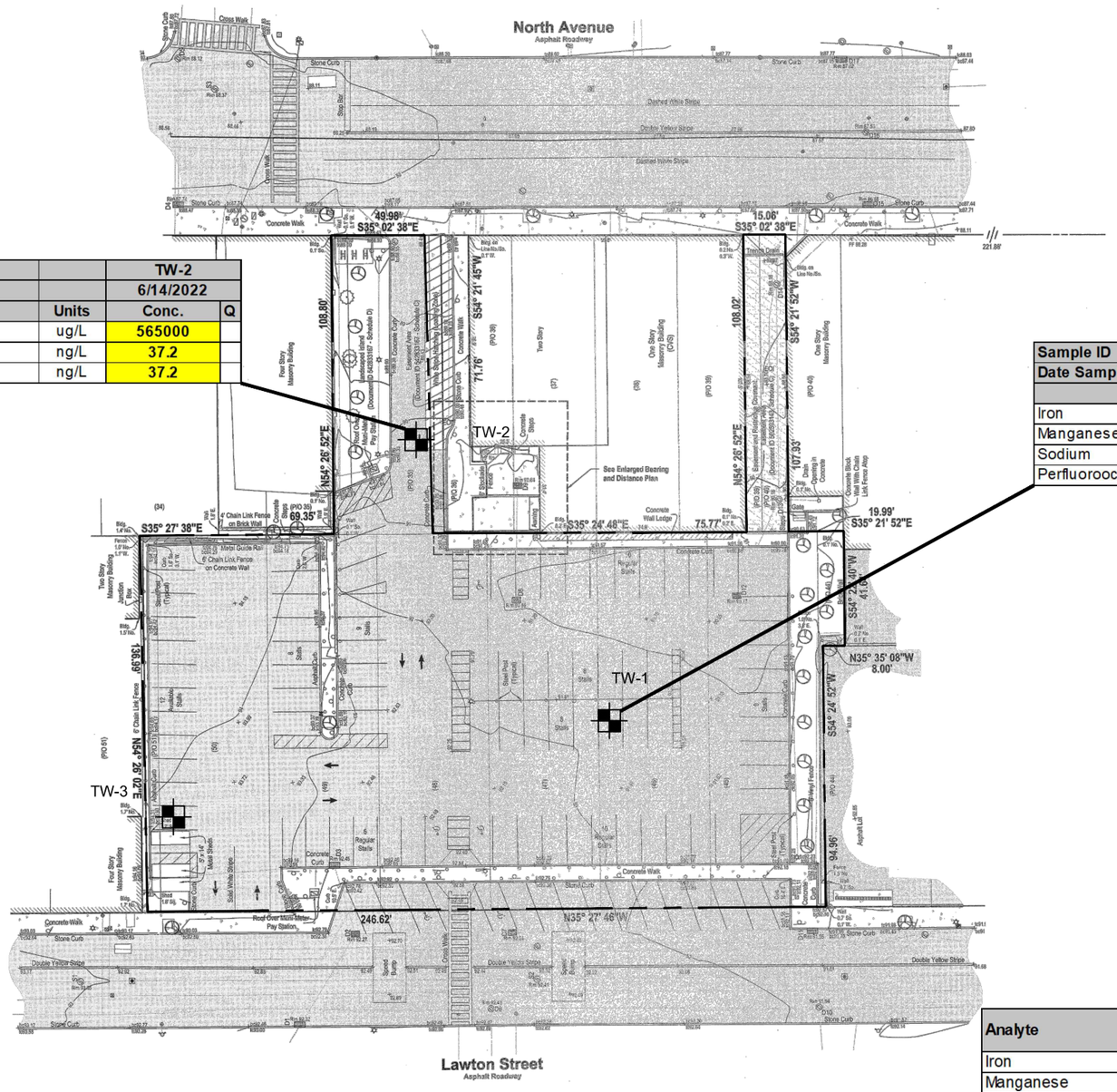
project: PROPERTY OF BENJAMIN SEACORD
P/O LOTS 35, 36, 39, 40, 44, & 51
AND LOTS 45 THRU 50

title: SOIL SAMPLE LOCATIONS AND RESULTS

job no: 12529
drawing no: FIG-3.1

1 of 1

N:\ACAD\12529\CAD\12529 SAMPLE LOCATIONS AND RESULTS PLANS.DWG 07/20/22 09:07:56AM, yelena.zolotova, LAYOUT:FIG-3.1



Sample ID		TW-2	
Date Sampled		6/14/2022	
	Units	Conc.	Q
Sodium	ug/L	565000	
Perfluorooctanoic acid (PFOA)	ng/L	37.2	
Perfluorooctanesulfonic acid	ng/L	37.2	

Sample ID		TW-1	
Date Sampled		6/14/2022	
	Units	Conc.	Q
Iron	ug/L	694	
Manganese	ug/L	701	
Sodium	ug/L	788000	
Perfluorooctanesulfonic acid	ng/L	24.2	

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

LEGEND:

TW-1 - PROPOSED GROUNDWATER SAMPLE NUMBER AND APPROX. LOCATION

\- PROPERTY BOUNDARY

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY FOR RENNAISANCE DOWNTOWNS" PREPARED BY H2M ARCHITECT + ENGINEERS, DAVED 5/2/2017.

Analyte	Units	NYSDEC AWQS
Iron	ug/L	300
Manganese	ug/L	300
Sodium	ug/L	20000
Perfluorooctanoic acid (PFOA)	ng/L	10
Perfluorooctanesulfonic acid (PFOS)	ng/L	10

NYSDEC - New York State Department of Environmental Conservation
AWQS - Ambient Water Quality Standards
ND - Compound not detected
ug/l - Micrograms per liter
ng/L Nanograms per liter
\- Concentration of compound exceeds the AWQS

Scale 1"=50'
0 50 100

dwg by: AG
chk by: SG
scale: AS NOTED
date: 07/13/2022

SESI CONSULTING ENGINEERS
CERT. OF AUTH. # 24GA27934700
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: PROPERTY OF BENJAMIN SEACORD
P/O LOTS 35, 36, 39, 40, 44, & 51
AND LOTS 45 THRU 50

title: GROUNDWATER SAMPLE LOCATIONS AND RESULTS

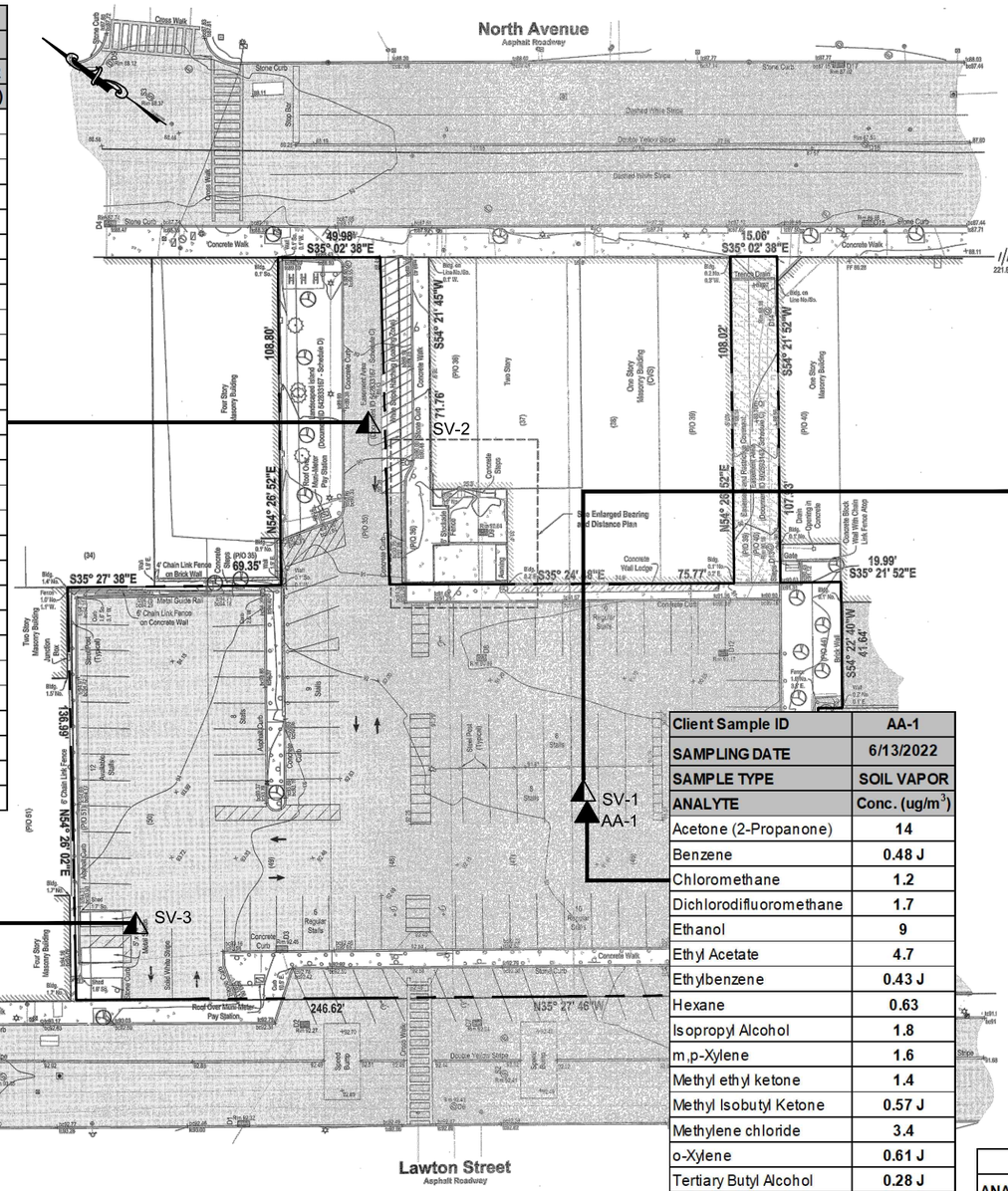
job no: 12529
drawing no:

FIG-3.2

N:\ACAD\12529\CAD\12529 SAMPLE LOCATIONS AND RESULTS PLANS.DWG 07/13/22 10:46:46AM, yelena.zolotova, LAYOUT:FIG-3.2

Client Sample ID	SV-3
SAMPLING DATE	6/13/2022
SAMPLE TYPE	SOIL VAPOR
ANALYTE	Conc. (ug/m^3)
1,2,4-Trimethylbenzene	3.2 J
2,2,4-Trimethylpentane	7.5
2-Hexanone	4.5
Acetone (2-Propanone)	280
Benzene	5.4
Carbon disulfide	37.7
Chloroform	3.5 J
Chloromethane	1.1 J
Cyclohexane	5.2
Dichlorodifluoromethane	1.9 J
Ethanol	43.3
Ethyl Acetate	4.3
Ethylbenzene	5.2
Heptane	8.2
Hexane	10
Isopropyl Alcohol	10
m,p-Xylene	23
Methyl ethyl ketone	20
Methyl Isobutyl Ketone	2.0 J
Methylene chloride	3.5
o-Xylene	10
Propylene	82.1
Tertiary Butyl Alcohol	142
Tetrachloroethylene	3.1
Toluene	57.3
Trichloroethylene	3.4
Vinyl Acetate	7.7
Xylenes (total)	33

Client Sample ID	SV-2
SAMPLING DATE	6/13/2022
SAMPLE TYPE	SOIL VAPOR
ANALYTE	Conc. (ug/m^3)
1,2,4-Trimethylbenzene	9.3
1,3,5-Trimethylbenzene	3.6 J
2,2,4-Trimethylpentane	4.4
2-Hexanone	17
4-Ethyltoluene	2.3 J
Acetone (2-Propanone)	354
Benzene	16
Carbon disulfide	22
Chloroform	2.6 J
Cyclohexane	13
Dichlorodifluoromethane	2.4 J
Ethanol	22.4
Ethyl Acetate	5.8
Ethylbenzene	217
Heptane	14
Hexane	49.7
Isopropyl Alcohol	7.4
m,p-Xylene	1120
Methyl ethyl ketone	42.2
Methyl Isobutyl Ketone	15
Methylene chloride	4.5
o-Xylene	630
Propylene	46.6
Tertiary Butyl Alcohol	25
Tetrachloroethylene	2.4
Toluene	731
Vinyl Acetate	9.8
Xylenes (total)	1750



Client Sample ID	AA-1
SAMPLING DATE	6/13/2022
SAMPLE TYPE	SOIL VAPOR
ANALYTE	Conc. (ug/m^3)
Acetone (2-Propanone)	14
Benzene	0.48 J
Chloromethane	1.2
Dichlorodifluoromethane	1.7
Ethanol	9
Ethyl Acetate	4.7
Ethylbenzene	0.43 J
Hexane	0.63
Isopropyl Alcohol	1.8
m,p-Xylene	1.6
Methyl ethyl ketone	1.4
Methyl Isobutyl Ketone	0.57 J
Methylene chloride	3.4
o-Xylene	0.61 J
Tertiary Butyl Alcohol	0.28 J
Tetrachloroethylene	0.44
Toluene	1.2
Trichlorofluoromethane	1.3
Vinyl Acetate	0.91
Xylenes (total)	2.2

LOCATION	SV-1
SAMPLING DATE	6/13/2022
SAMPLE TYPE	SOIL VAPOR
ANALYTE	Conc. (ug/m^3)
1,2,4-Trimethylbenzene	22
1,3,5-Trimethylbenzene	7.4
2,2,4-Trimethylpentane	6.1
2-Hexanone	11
4-Ethyltoluene	4.6 J
Acetone (2-Propanone)	118
Benzene	29
Carbon disulfide	52.6
Chloromethane	2.1
Cyclohexane	20
Dichlorodifluoromethane	6.9
Ethanol	15
Ethyl Acetate	4.3
Ethylbenzene	250
Heptane	12
Hexane	52.5
Isopropyl Alcohol	3.9
m,p-Xylene	1420
Methyl ethyl ketone	14
Methyl Isobutyl Ketone	11
Methylene chloride	6.3
o-Xylene	856
Propylene	247
Tertiary Butyl Alcohol	22
Tetrachloroethylene	2.1
Toluene	693
Trichlorofluoromethane	3.1
Vinyl chloride	2.3
Xylenes (total)	2280

LEGEND:

SV-1 - PROPOSED SOIL VAPOER SAMPLE NUMBER AND APPROX. LOCATION

AA-1 - PROPOSED AMBIENT AIR SAMPLE NUMBER AND APPROX. LOCATION

\- PROPERTY BOUNDARY

ANALYTE	NY-SSC-A (ug/m^3)	NY-SSC-B (ug/m^3)	NY-SSC-C (ug/m^3)
VOLATILE ORGANICS IN AIR			
Methylene chloride		100	
Tetrachloroethylene		100	
Trichloroethylene	6		
Vinyl chloride			6

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.

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

REFERENCE
1. EXIST CONDITIONS & BOUNDARY ARE TAKEN FROM "BOUNDARY SURVEY FOR RENNAISANCE DOWNTOWNS" PREPARED BY H2M ARCHITECT + ENGINEERS, DAVED 5/2/2017.

Scale 1"=50'
0 50 100

SESI CONSULTING ENGINEERS
CERT. OF AUTH. # 24GA27934700
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: AG
chk by: SG
scale: AS NOTED
date: 07/13/2022

project: PROPERTY OF BENJAMIN SEACORD
P/O LOTS 35, 36, 39, 40, 44, & 51
AND LOTS 45 THRU 50

title: SOIL VAPOR SAMPLE LOCATIONS AND RESULTS

job no: 12529
drawing no: FIG-3.3

N:\ACAD\12529\CAD\12529 SAMPLE LOCATIONS AND RESULTS PLANS.DWG 07/13/22 11:00:30AM, yelena.zolotova, LAYOUT: FIG-3.3

Appendix A:

GPR Report

Coastal Environmental Solutions, Inc.

GEOPHYSICAL INVESTIGATION REPORT

6.17.2022

35-39 Lawton Street, New Rochelle, NY
Date of Investigation: 6.13.2022

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 13, 2022, Coastal Environmental Solutions, Inc (Coastal) personnel performed a limited geophysical investigation at the site located at 35-39 Lawton Street, New Rochelle, NY. The area of interest included soil boring locations within the surrounding asphalt lot and a small paving stone alley southeast of the existing building on site. Surface conditions consisted of asphalt, concrete, and paving stone.

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 on the property and marked all using the above referenced standard colors. The electrical vault near the northeast entrance to the parking lot contained live electrical lines which were detected on the site. Drainage was present as this site and was traced behind the building and down the above-mentioned paved alleyway.

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.

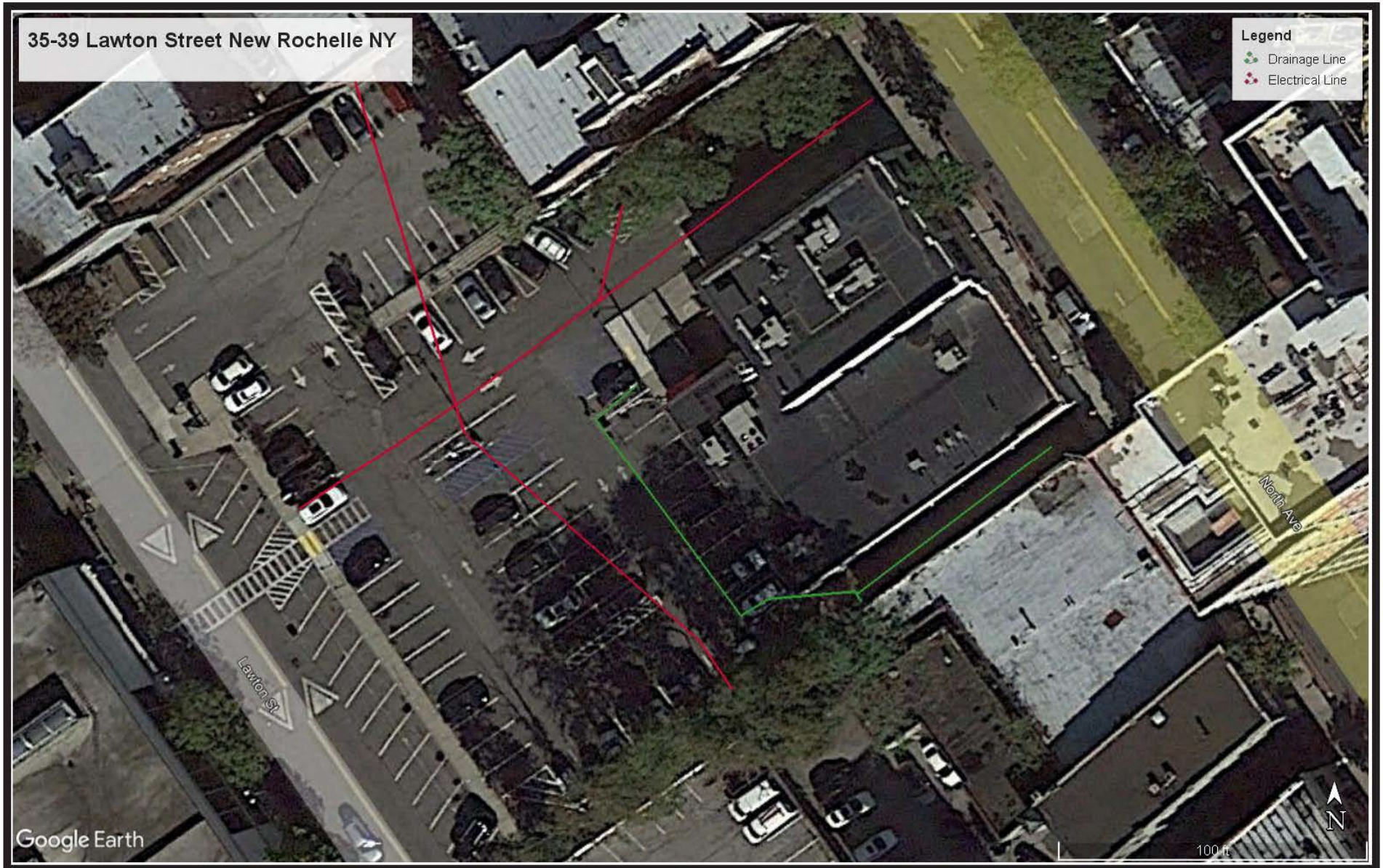
Limitations

The effective depth of GPR penetration was limited to 2.5 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 exhibited readings consistent with moisture retention in the shallow soil, whether it is perched groundwater or another non-conductive layer.

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



Geophysical Investigation Results

35-39 Lawton Street
New Rochelle, NY

Coastal Environmental Solutions Inc.

PO Box 342, Medford New York 11763

Date of Investigation: 6.13.2022

Figure No. 1

PHOTOS & GPR SCREENSHOTS

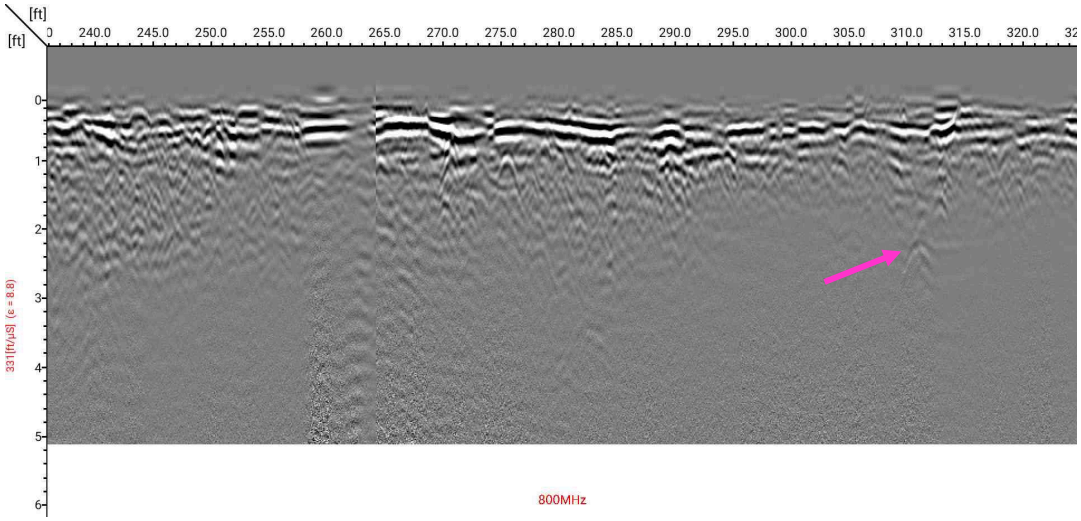


Photo 1 and GPR Screenshot 1 – Photo of one of the soil borings within the paving stone alleyway. A manhole was detected containing multiple converging drainage lines within. As SB-10 was proposed within this area, it was recommended to shift the boring towards the adjacent building wall instead. GPR screenshot shows one of the drainage lines detected at 2 ft below grade, as well as the absence of usable GPR data below this depth.

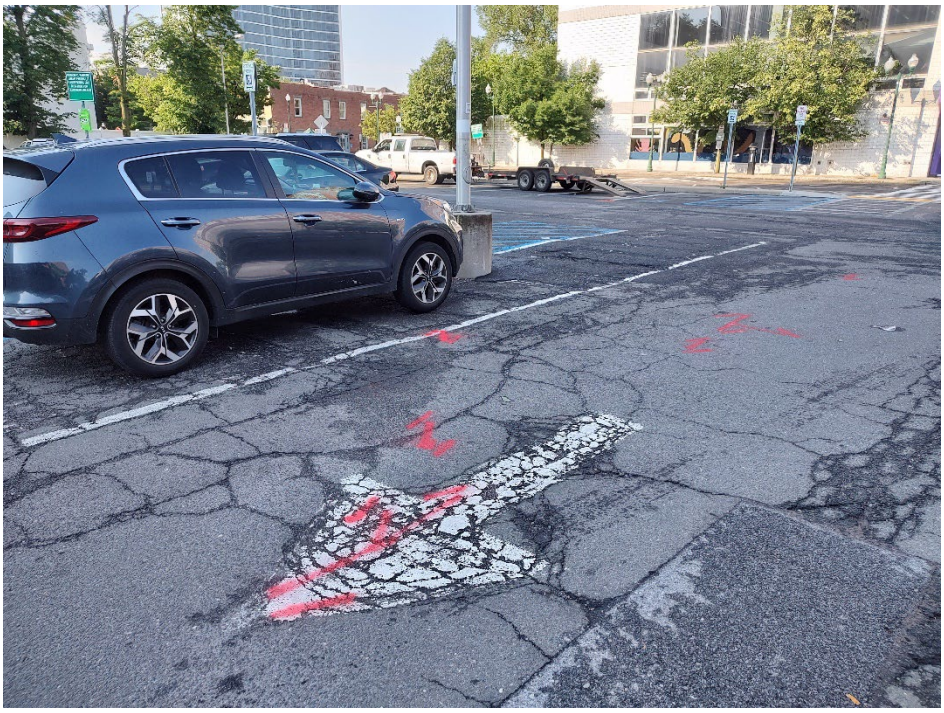


Photo 2 – View of an additional utility located within the parking lot. Electrical lines were distributed from the vault near the northeast entrance to the parking station, light poles, and continuing off the property to the southwest.

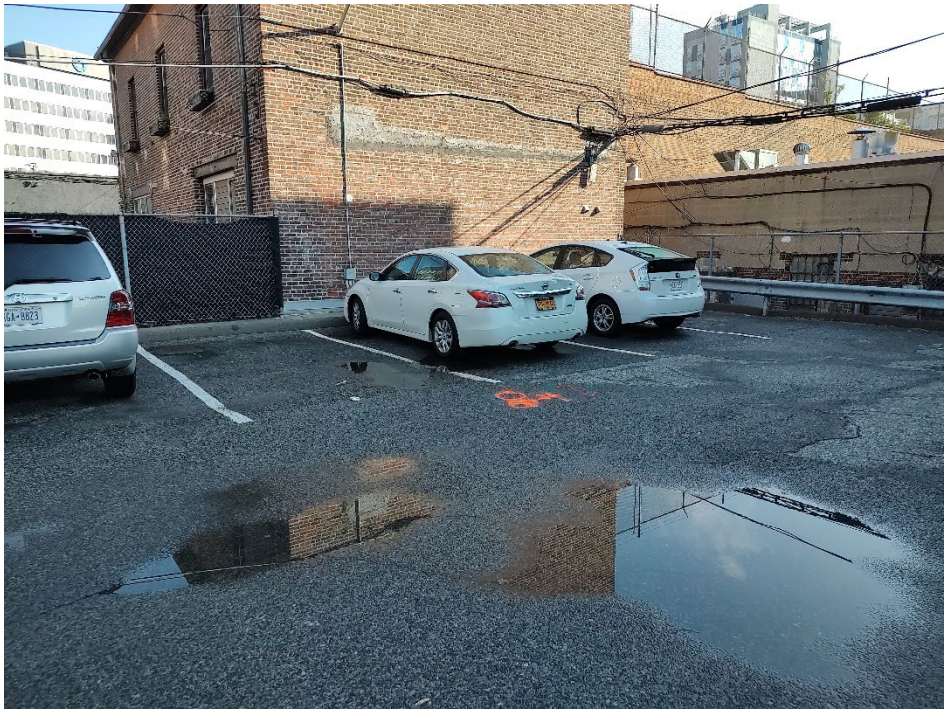


Photo 3 – Additional view of the electrical line powering one of the site lights in the lot (in front of the Nissan sedan). Due to the presence of this electrical line, Coastal suggested to shift the location of the soil boring (marked in orange).

Appendix B:

Boring Logs

SESI CONSULTING ENGINEERS

PROJECT NAME:	33-39 Lawton St	GEOPROBE NO.	**SB-1**
LOCATION:	New Rochelle, NY	JOB NO.	12529
METHOD:	Direct Push	GROUND ELEVATION:	
GEOPROBE BY: Coastal	DATE STARTED: 6/13/2022	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JRB	DATE COMPLETED: 6/14/2022	0 Hr.	24 Hr. Date 6/13/22

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						6-inches asphalt	
					SB-1 (1.5-2)	Gray/brown coarse to fine SAND, little silt, trace gravel	0
						Brown/red coarse to fine SAND, some silt, trace gravel	0
5							
					SB-1 (5.5-6)		0
							0
10							0
						Gray/brown coarse to fine SAND, little silt, trace gravel	
							0
							0
15							
						End of boring at 15± feet	
20							
25							
30							
35							
40							

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

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

Pp: Pocket Penetrometer; DP: Direct Push

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

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

FIGURE #

SESI CONSULTING ENGINEERS

PROJECT NAME:	33-39 Lawton St	GEOPROBE NO.	**SB-2**
LOCATION:	New Rochelle, NY	JOB NO.	12529
METHOD:	Direct Push	GROUND ELEVATION:	
GEOPROBE BY: Coastal	DATE STARTED: 6/13/2022	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JRB	DATE COMPLETED: 6/14/2022	0 Hr.	24 Hr. Date 6/13/22

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						6-inches asphalt	
						Light gray concrete	0
							0
5					SB-2 (4.5-5)	Brown coarse to fine SAND, some silt	
							0
							0
10							0
							0
					SB-2 (12-12.5)	Gray coarse to fine SND, little silt	
						Refusal/bedrock	0
15						End of boring at 14± feet	
20							
25							
30							
35							
40							

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

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Pp: Pocket Penetrometer; DP: Direct Push

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

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

FIGURE #

SESI CONSULTING ENGINEERS

PROJECT NAME:	33-39 Lawton St	GEOPROBE NO.	**SB-3**
LOCATION:	New Rochelle, NY	JOB NO.	12529
METHOD:	Direct Push	GROUND ELEVATION:	
GEOPROBE BY: Coastal	DATE STARTED: 6/13/2022	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JRB	DATE COMPLETED: 6/14/2022	0 Hr.	24 Hr. Date 6/13/22

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						6-inches asphalt	
						Light gray concrete	0
							0
5					SB-3 (4.5-5)		
							0
						Brown coarse to fine SAND, little silt, trace gravel	
							0
10					SB-3 (9-9.5)		0
							0
							0
15							
							0
						Resusal/bedrock	
						End of borind at 17± feet	
20							
25							
30							
35							
40							

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

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Pp: Pocket Penetrometer; DP: Direct Push

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

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

FIGURE #

SESI CONSULTING ENGINEERS

PROJECT NAME:	33-39 Lawton St	GEOPROBE NO.	**SB-4**
LOCATION:	New Rochelle, NY	JOB NO.	12529
METHOD:	Direct Push	GROUND ELEVATION:	
GEOPROBE BY: Coastal	DATE STARTED:	6/13/2022	GROUNDWATER TABLE DEPTH:
INSPECTOR: JRB	DATE COMPLETED:	6/14/2022	0 Hr. / 24 Hr. / Date 6/14/22

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						6-inches asphalt'	
						Red brick	
					SB-4 (2.5-3)		
						Brown coarse to fine SAND, some silt, some concrete	
5							
						Gray coarse to fine SAND, some concrete, trace silt	
10						Brown coarse to fine SAND, some silt	
					SB-4 (10-10.5)		
						Resusal	
						End of boring at 12± feet	
15							
20							
25							
30							
35							
40							

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

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Pp: Pocket Penetrometer; DP: Direct Push

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

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

FIGURE #

SESI CONSULTING ENGINEERS

PROJECT NAME:	33-39 Lawton St	GEOPROBE NO.	**SB-5**
LOCATION:	New Rochelle, NY	JOB NO.	12529
METHOD:	Direct Push	GROUND ELEVATION:	
GEOPROBE BY: Coastal	DATE STARTED:	6/13/2022	GROUNDWATER TABLE DEPTH:
INSPECTOR: JRB	DATE COMPLETED:	6/14/2022	0 Hr. / 24 Hr. / Date 6/14/22

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						6-inches asphalt	
						Red brick, gray concrete	0
							0
5					SB-5 (4.5-5)		
							0
						Brown coarse to fine SAND, some silt, trace gravel	
							0
10							0
					SB-5 (11-11.5)		0
							0
15							
						End of boring at 15± feet	
20							
25							
30							
35							
40							

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

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Pp: Pocket Penetrometer; DP: Direct Push

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

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

FIGURE #

SESI CONSULTING ENGINEERS

PROJECT NAME:	33-39 Lawton St	GEOPROBE NO.	**SB-6**
LOCATION:	New Rochelle, NY	JOB NO.	12529
METHOD:	Direct Push	GROUND ELEVATION:	
GEOPROBE BY: Coastal	DATE STARTED: #######	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JRB	DATE COMPLETED: #######	0 Hr. / 24 Hr. / Date 6/13/22	

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						6-inches asphalt	
						6-inches red brick, 6-inches gray concrete	0
						Brown/gray corase to fine SAND, some silt, trace gravel	
					SB-6 (3-3.5)		0
5							
							0
							0
10							0
							0
					SB-6 (13-13.5)		0
15							
						End of boring at 15± feet	
20							
25							
30							
35							
40							

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

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Pp: Pocket Penetrometer; DP: Direct Push

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

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

FIGURE #

SESI CONSULTING ENGINEERS

PROJECT NAME:	33-39 Lawton St	GEOPROBE NO.	**SB-7**
LOCATION:	New Rochelle, NY	JOB NO.	12529
METHOD:	Direct Push	GROUND ELEVATION:	
GEOPROBE BY: Coastal	DATE STARTED: 6/13/2022	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JRB	DATE COMPLETED: 6/14/2022	0 Hr.	24 Hr. Date 6/14/22

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						6-inches asphalt	
						Gray to brown coarse to fine SAND, some silt	0
					SB-7 (2-2.5)		
							0
5							
							12.5
					SB-7 (7-7.5)	Gray coarse to fine SAND, some silt w/staining and odors	23.1
10							15.7
							0
							0
15							
						End of boring at 15± feet	
20							
25							
30							
35							
40							

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

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Pp: Pocket Penetrometer; DP: Direct Push

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

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

FIGURE #

SESI CONSULTING ENGINEERS

PROJECT NAME:	33-39 Lawton St	GEOPROBE NO.	**SB-8**
LOCATION:	New Rochelle, NY	JOB NO.	12529
METHOD:	Direct Push	GROUND ELEVATION:	
GEOPROBE BY: Coastal	DATE STARTED: 6/13/2022	GROUNDWATER TABLE DEPTH:	
INSPECTOR: JRB	DATE COMPLETED: 6/14/2022	0 Hr.	24 Hr. Date 6/14/22

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						6-inches asphalt	
						Gray concrete	
						Brown coarse to fine SAND, some silt, trace gravel	
5						Red brick/gray concrete	
						Brown coarse to fine SAND, trace silt, trace gravel	
10						Refusal	
						End of boringh at 10± feet	
15							
20							
25							
30							
35							
40							

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

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Pp: Pocket Penetrometer; DP: Direct Push

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

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

FIGURE #

SESI CONSULTING ENGINEERS

PROJECT NAME:	33-39 Lawton St	GEOPROBE NO.	**SB-9**
LOCATION:	New Rochelle, NY	JOB NO.	12529
METHOD:	Direct Push	GROUND ELEVATION:	
GEOPROBE BY: Coastal	DATE STARTED:	6/13/2022	GROUNDWATER TABLE DEPTH:
INSPECTOR: JRB	DATE COMPLETED:	6/14/2022	0 Hr. / 24 Hr. / Date 6/13/22

DEPTH (ft)	RECOVERY (in)	SAMPLE TUBE No.	DEPTH FROM (ft)	DEPTH TO (ft)	ENVIRONMENTAL SOIL SAMPLE NAME	SOIL DESCRIPTION AND STRATIFICATION	PID
0						6-inches asphalt	
						Gray concrete	
						Red brick	
5					SB-9 (4-4,5)	Brown coarse to fine SAND, some silt	
10						Red brick/gray concrete	
					SB-9 (11-11.5)	Brown coarse to fine SAND, some silt	
15							
						End of boring at 15± feet	
20							
25							
30							
35							
40							

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

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Pp: Pocket Penetrometer; DP: Direct Push

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

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

FIGURE #

Appendix C:

Laboratory Reports

SGS Dayton, NJ

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)
Lab Sample ID:							JD46592-1	JD46592-2	JD46592-3	JD46592-4	JD46592-5	JD46592-6	JD46592-7	JD46592-8
Date Sampled:							6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022
Matrix:							Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MS Volatiles (SW846 8260D)														
1,1,1-Trichloroethane	mg/kg	0.68	100	100	500	1000	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
1,1,2,2-Tetrachloroethane	mg/kg	-	35				ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
1,1,2-Trichloroethane	mg/kg	-	-	-	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
1,1-Dichloroethane	mg/kg	0.27	19	26	240	480	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
1,1-Dichloroethene	mg/kg	0.33	100	100	500	1000	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
1,2,3-Trichlorobenzene	mg/kg	-					ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
1,2,4-Trichlorobenzene	mg/kg	-					ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
1,2-Dibromo-3-chloropropane	mg/kg	-	-	-	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
1,2-Dibromoethane	mg/kg	-	-	-	-	-	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
1,2-Dichlorobenzene	mg/kg	1.1	100	100	500	1000	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
1,2-Dichloroethane	mg/kg	0.02	2.3	3.1	30	60	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
1,2-Dichloropropane	mg/kg	-					ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
1,3-Dichlorobenzene	mg/kg	2.4	17	49	280	560	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
1,4-Dichlorobenzene	mg/kg	1.8	9.8	13	130	250	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
2-Butanone (MEK)	mg/kg	0.12	100	100	500	1000	ND (0.011)	ND (0.0091)	ND (0.0089)	ND (0.0094)	0.0034 J	ND (0.0095)	ND (0.0096)	ND (0.0095)
2-Hexanone	mg/kg	-	-	-	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
4-Methyl-2-pentanone(MIBK)	mg/kg	-					ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
Acetone	mg/kg	0.05	100	100	500	1000	0.0077 J	ND (0.0091)	0.0059 J	ND (0.0094)	0.022	0.0045 J	0.0054 J	0.0039 J
Benzene	mg/kg	0.06	2.9	4.8	44	89	ND (0.00053)	ND (0.00046)	ND (0.00044)	ND (0.00047)	ND (0.00049)	ND (0.00047)	ND (0.00048)	ND (0.00048)
Bromochloromethane	mg/kg	-	-	-	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
Bromodichloromethane	mg/kg	-	-	-	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Bromoform	mg/kg	-	-	-	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
Bromomethane	mg/kg	-	-	-	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
Carbon disulfide	mg/kg	-	100				ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Carbon tetrachloride	mg/kg	0.76	1.4	2.4	22	44	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Chlorobenzene	mg/kg	1.1	100	100	500	1000	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Chloroethane	mg/kg	-					ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
Chloroform	mg/kg	0.37	10	49	350	700	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Chloromethane	mg/kg	-	-	-	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
cis-1,2-Dichloroethene	mg/kg	0.25	59	100	500	1000	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
cis-1,3-Dichloropropene	mg/kg	-	-	-	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Cyclohexane	mg/kg	-	-	-	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Dibromochloromethane	mg/kg	-					ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Dichlorodifluoromethane	mg/kg	-	-	-	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
Ethylbenzene	mg/kg	1	30	41	390	780	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
Freon 113	mg/kg	-	100				ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
Isopropylbenzene	mg/kg	-	100				ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)
Lab Sample ID:							**JD46592-1**	**JD46592-2**	**JD46592-3**	**JD46592-4**	**JD46592-5**	**JD46592-6**	**JD46592-7**	**JD46592-8**
Date Sampled:							**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
m,p-Xylene	mg/kg	0.26	100	100	500	1000	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
Methyl Acetate	mg/kg	-	-	-	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
Methyl Tert Butyl Ether	mg/kg	0.93	62	100	500	1000	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
Methylcyclohexane	mg/kg	-	-	-	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Methylene chloride	mg/kg	0.05	51	100	500	1000	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
o-Xylene	mg/kg	0.26	100	100	500	1000	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
Styrene	mg/kg	-					ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Tetrachloroethene	mg/kg	1.3	5.5	19	150	300	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Toluene	mg/kg	0.7	100	100	500	1000	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
trans-1,2-Dichloroethene	mg/kg	0.19	100	100	500	1000	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
trans-1,3-Dichloropropene	mg/kg	-	-	-	-	-	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Trichloroethene	mg/kg	0.47	10	21	200	400	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
Trichlorofluoromethane	mg/kg	-	-	-	-	-	ND (0.0053)	ND (0.0046)	ND (0.0044)	ND (0.0047)	ND (0.0049)	ND (0.0047)	ND (0.0048)	ND (0.0048)
Vinyl chloride	mg/kg	0.02	0.21	0.9	13	27	ND (0.0021)	ND (0.0018)	ND (0.0018)	ND (0.0019)	ND (0.0020)	ND (0.0019)	ND (0.0019)	ND (0.0019)
Xylene (total)	mg/kg	0.26	100	100	500	1000	ND (0.0011)	ND (0.00091)	ND (0.00089)	ND (0.00094)	ND (0.00098)	ND (0.00095)	ND (0.00096)	ND (0.00095)
MS Volatile TIC														
Total TIC, Volatile	mg/kg	-	-	-	-	-	0	0	0	0	0	0	0	0
MS Semi-volatiles (SW846 8270E)														
1,1'-Biphenyl	mg/kg	-					0.0095 J	ND (0.070)	ND (0.072)	ND (0.073)	0.0692 J	ND (0.072)	ND (0.35)	ND (0.072)
1,2,4,5-Tetrachlorobenzene	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
1,4-Dioxane	mg/kg	0.1	9.8	13	130	250	ND (0.035)	ND (0.035)	ND (0.036)	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.18)	ND (0.036)
2,2'-Oxybis(1-chloropropane)	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
2,3,4,6-Tetrachlorophenol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
2,4,5-Trichlorophenol	mg/kg	-	100				ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
2,4,6-Trichlorophenol	mg/kg	-					ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
2,4-Dichlorophenol	mg/kg	-	100				ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
2,4-Dimethylphenol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
2,4-Dinitrophenol	mg/kg	-	100				ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
2,4-Dinitrotoluene	mg/kg	-	-	-	-	-	ND (0.035)	ND (0.035)	ND (0.036)	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.18)	ND (0.036)
2,6-Dinitrotoluene	mg/kg	-	1.03				ND (0.035)	ND (0.035)	ND (0.036)	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.18)	ND (0.036)
2-Chloronaphthalene	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
2-Chlorophenol	mg/kg	-	100				ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
2-Methylnaphthalene	mg/kg	-	0.41				0.0259 J	ND (0.035)	ND (0.036)	ND (0.037)	0.139	ND (0.036)	ND (0.18)	ND (0.036)
2-Methylphenol	mg/kg	0.33	100	100	500	1000	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
2-Nitroaniline	mg/kg	-					ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
2-Nitrophenol	mg/kg	-					ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
3&4-Methylphenol	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
3,3'-Dichlorobenzidine	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
3-Nitroaniline	mg/kg	-					ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
4,6-Dinitro-o-cresol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
4-Bromophenyl phenyl ether	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)
Lab Sample ID:							**JD46592-1**	**JD46592-2**	**JD46592-3**	**JD46592-4**	**JD46592-5**	**JD46592-6**	**JD46592-7**	**JD46592-8**
Date Sampled:							**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
4-Chloro-3-methyl phenol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
4-Chloroaniline	mg/kg	-	100				ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
4-Chlorophenyl phenyl ether	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
4-Nitroaniline	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
4-Nitrophenol	mg/kg	-					ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.36)	ND (1.8)	ND (0.36)
Acenaphthene	mg/kg	20	100	100	500	1000	0.0686	ND (0.035)	ND (0.036)	ND (0.037)	0.826	ND (0.036)	ND (0.18)	ND (0.036)
Acenaphthylene	mg/kg	100	100	100	500	1000	0.068	ND (0.035)	ND (0.036)	ND (0.037)	0.176	ND (0.036)	ND (0.18)	ND (0.036)
Acetophenone	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
Anthracene	mg/kg	100	100	100	500	1000	0.178	ND (0.035)	ND (0.036)	ND (0.037)	1.64	ND (0.036)	0.145 J	ND (0.036)
Atrazine	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
Benzaldehyde	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
Benzo(a)anthracene	mg/kg	1	1	1	5.6	11	0.689	ND (0.035)	0.0174 J	ND (0.037)	**5.25**	ND (0.036)	0.497	ND (0.036)
Benzo(a)pyrene	mg/kg	1	1	1	1	1.1	0.693	ND (0.035)	ND (0.036)	ND (0.037)	**3.19**	ND (0.036)	0.514	ND (0.036)
Benzo(b)fluoranthene	mg/kg	1	1	1	5.6	11	0.872	ND (0.035)	0.0177 J	ND (0.037)	**5.83**	ND (0.036)	0.685	ND (0.036)
Benzo(g,h,i)perylene	mg/kg	100	100	100	500	1000	0.449	ND (0.035)	ND (0.036)	ND (0.037)	1.92	ND (0.036)	0.293	ND (0.036)
Benzo(k)fluoranthene	mg/kg	0.8	1	3.9	56	110	0.345	ND (0.035)	ND (0.036)	ND (0.037)	**1.54**	ND (0.036)	0.306	ND (0.036)
bis(2-Chloroethoxy)methane	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
bis(2-Chloroethyl)ether	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
bis(2-Ethylhexyl)phthalate	mg/kg	-	50				0.0691 JB	0.0095 JB	0.0120 JB	0.0089 JB	0.0704 J	0.0089 JB	ND (0.35)	0.0125 JB
Butyl benzyl phthalate	mg/kg	-	100				ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
Caprolactam	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
Carbazole	mg/kg	-	-	-	-	-	0.078	ND (0.070)	ND (0.072)	ND (0.073)	0.884	ND (0.072)	0.0597 J	ND (0.072)
Chrysene	mg/kg	1	1	3.9	56	110	0.731	ND (0.035)	0.0161 J	ND (0.037)	**5.14**	ND (0.036)	0.525	ND (0.036)
Di-n-butyl phthalate	mg/kg	-	100				0.0086 J	ND (0.070)	ND (0.072)	ND (0.073)	0.0100 J	ND (0.072)	ND (0.35)	ND (0.072)
Di-n-octyl phthalate	mg/kg	-	100				ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.56	1.1	0.142	ND (0.035)	ND (0.036)	ND (0.037)	**0.661**	ND (0.036)	0.0987 J	ND (0.036)
Dibenzofuran	mg/kg	7	14	59	350	1000	0.0402 J	ND (0.070)	ND (0.072)	ND (0.073)	0.521	ND (0.072)	ND (0.35)	ND (0.072)
Diethyl phthalate	mg/kg	-	100				ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
Dimethyl phthalate	mg/kg	-	100				ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
Fluoranthene	mg/kg	100	100	100	500	1000	1.06	ND (0.035)	0.0247 J	ND (0.037)	9	ND (0.036)	0.836	ND (0.036)
Fluorene	mg/kg	30	100	100	500	1000	0.0581	ND (0.035)	ND (0.036)	ND (0.037)	0.797	ND (0.036)	ND (0.18)	ND (0.036)
Hexachlorobenzene	mg/kg	0.33	0.41	1.2	6	12	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
Hexachlorobutadiene	mg/kg	-	-	-	-	-	ND (0.035)	ND (0.035)	ND (0.036)	ND (0.037)	ND (0.036)	ND (0.036)	ND (0.18)	ND (0.036)
Hexachlorocyclopentadiene	mg/kg	-					ND (0.35)	ND (0.35)	ND (0.36)	ND (0.37)	ND (0.36)	ND (0.36)	ND (1.8)	ND (0.36)
Hexachloroethane	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	5.6	11	**0.536**	ND (0.035)	ND (0.036)	ND (0.037)	**2.41**	ND (0.036)	0.37	ND (0.036)
Isophorone	mg/kg	-	100				ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
N-Nitroso-di-n-propylamine	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
N-Nitrosodiphenylamine	mg/kg	-					ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.18)	ND (0.88)	ND (0.18)
Naphthalene	mg/kg	12	100	100	500	1000	0.0477	ND (0.035)	0.0213 J	ND (0.037)	0.263	ND (0.036)	ND (0.18)	0.0183 J
Nitrobenzene	mg/kg	-	3.7	15	69	140	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
Pentachlorophenol	mg/kg	0.8	2.4	6.7	6.7	55	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.15)	ND (0.14)	ND (0.14)	ND (0.70)	ND (0.14)
Phenanthrene	mg/kg	100	100	100	500	1000	0.727	ND (0.035)	0.0174 J	ND (0.037)	8.59	ND (0.036)	0.526	ND (0.036)
Phenol	mg/kg	0.33	100	100	500	1000	ND (0.071)	ND (0.070)	ND (0.072)	ND (0.073)	ND (0.072)	ND (0.072)	ND (0.35)	ND (0.072)
Pyrene	mg/kg	100	100	100	500	1000	1.29	ND (0.035)	0.0266 J	ND (0.037)	9.96	ND (0.036)	0.885	0.0118 J

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)
Lab Sample ID:							**JD46592-1**	**JD46592-2**	**JD46592-3**	**JD46592-4**	**JD46592-5**	**JD46592-6**	**JD46592-7**	**JD46592-8**
Date Sampled:							**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
MS Semi-volatile TIC														
Total TIC, Semi-Volatile	mg/kg	-	-	-	-	-	3.25 J	0	0.33 J	0.38 J	15.19 J	0.35 J	0	0.17 J
GC/LC Semi-volatiles (SW846 8081B)														
4,4'-DDD	mg/kg	0.0033	2.6	13	92	180	ND (0.00075)	ND (0.00071)	0.0009	ND (0.00067)	0.0021	0.0025 [b]	**0.0197 [c]**	**0.026**
4,4'-DDE	mg/kg	0.0033	1.8	8.9	62	120	0.0019 [d]	0.00077	ND (0.00068)	ND (0.00067)	0.0032	ND (0.00072)	**0.0036**	0.0021
4,4'-DDT	mg/kg	0.0033	1.7	7.9	47	94	**0.0041 B [d]**	**0.0052 B**	**0.0205 B**	**0.0050 B**	**0.0047 B [d]**	**0.0270 B**	**0.0576 B**	**0.0842 B**
Aldrin	mg/kg	0.005	0.019	0.097	0.68	1.4	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
alpha-BHC	mg/kg	0.02	0.097	0.48	3.4	6.8	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
alpha-Chlordane	mg/kg	0.094	0.91	4.2	24	47	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	0.0023	ND (0.00072)	ND (0.00068)	ND (0.00067)
beta-BHC	mg/kg	0.036	0.072	0.36	3	14	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
delta-BHC	mg/kg	0.04	100	100	500	1000	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
Dieldrin	mg/kg	0.005	0.039	0.2	1.4	2.8	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	0.0013	ND (0.00072)	ND (0.00068)	ND (0.00067)
Endosulfan sulfate	mg/kg	2.4	4.8	24	200	920	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
Endosulfan-I	mg/kg	2.4	4.8	24	200	920	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
Endosulfan-II	mg/kg	2.4	4.8	24	200	920	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
Endrin	mg/kg	0.014	2.2	11	89	410	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
Endrin aldehyde	mg/kg	-	-	-	-	-	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
Endrin ketone	mg/kg	-	-	-	-	-	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
gamma-BHC (Lindane)	mg/kg	0.1	0.28	1.3	9.2	23	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
gamma-Chlordane	mg/kg	-	0.54				ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	0.0028 [d]	ND (0.00072)	ND (0.00068)	ND (0.00067)
Heptachlor	mg/kg	0.042	0.42	2.1	15	29	ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
Heptachlor epoxide	mg/kg	-	0.077				ND (0.00075)	ND (0.00071)	ND (0.00068)	ND (0.00067)	ND (0.00073)	ND (0.00072)	ND (0.00068)	ND (0.00067)
Methoxychlor	mg/kg	-	100				ND (0.0015)	ND (0.0014)	ND (0.0014)	ND (0.0013)	ND (0.0015)	ND (0.0014)	ND (0.0014)	ND (0.0013)
Toxaphene	mg/kg	-	-	-	-	-	ND (0.019)	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.017)
GC/LC Semi-volatiles (SW846 8082A)														
Aroclor 1016	mg/kg	0.1	1	1	1	25	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)
Aroclor 1221	mg/kg	0.1	1	1	1	25	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)
Aroclor 1232	mg/kg	0.1	1	1	1	25	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)
Aroclor 1242	mg/kg	0.1	1	1	1	25	ND (0.037)	0.0182 J	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	0.0819	ND (0.034)
Aroclor 1248	mg/kg	0.1	1	1	1	25	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)
Aroclor 1254	mg/kg	0.1	1	1	1	25	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	0.0923	ND (0.034)
Aroclor 1260	mg/kg	0.1	1	1	1	25	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)
Aroclor 1262	mg/kg	0.1	1	1	1	25	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)
Aroclor 1268	mg/kg	0.1	1	1	1	25	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.033)	ND (0.037)	ND (0.036)	ND (0.034)	ND (0.034)
Metals Analysis														
Aluminum	mg/kg	-					8920	8640	11100	9260	7840	9190	7560	14600

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)
Lab Sample ID:							**JD46592-1**	**JD46592-2**	**JD46592-3**	**JD46592-4**	**JD46592-5**	**JD46592-6**	**JD46592-7**	**JD46592-8**
Date Sampled:							**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
Antimony	mg/kg	-					ND (2.4)	ND (2.2)	ND (2.2)	ND (2.2)	2.2	ND (2.2)	ND (2.1)	ND (2.1)
Arsenic	mg/kg	13	16	16	16	16	4.5	ND (2.2)	ND (2.2)	ND (2.2)	**16.1**	ND (2.2)	3.4	ND (2.1)
Barium	mg/kg	350	350	400	400	10000	88.7	57.5	74.2	83.2	93.5	80.6	55.8	208
Beryllium	mg/kg	7.2	14	72	590	2700	0.36	0.32	0.48	ND (0.44) [g]	0.32	0.43	0.3	ND (1.1) [g]
Cadmium	mg/kg	2.5	2.5	4.3	9.3	60	ND (0.59)	ND (0.55)	ND (0.54)	ND (0.55)	ND (0.54)	ND (0.55)	ND (0.52)	ND (0.54)
Calcium	mg/kg	-					102000	939	1400	1450	60600	2130	49000	1270
Chromium	mg/kg	-	-	-	-	-	18.4	17.5	21.1	21.5	19.5	20.1	20.3	28.3
Cobalt	mg/kg	-	30				ND (5.9)	5.7	9.1	ND (11) [g]	6.3	7.6	ND (5.2)	ND (27) [g]
Copper	mg/kg	50	270	270	270	10000	22.8	10.5	20.7	23.3	**54.5**	14.9	24.9	15.5
Iron	mg/kg	-	2000				**12800**	**11100**	**18900**	**16400**	**18900**	**14300**	**13100**	**20700**
Lead	mg/kg	63	400	400	1000	3900	**184**	3.2	4.1	2.7	**210**	4	57.6	2.9
Magnesium	mg/kg	-	-	-	-	-	7530	2260	2460	3750	28500	2750	14900	7110
Manganese	mg/kg	1600	2000	2000	10000	10000	233	275	578	332	265	295	238	308
Mercury	mg/kg	0.18	0.81	0.81	2.8	5.7	**0.24**	ND (0.036)	ND (0.033)	ND (0.033)	**0.84**	ND (0.034)	**0.21**	ND (0.034)
Nickel	mg/kg	30	140	310	310	10000	12.9	10.8	20.8	19.3	17.1	14.6	12.7	28.4
Potassium	mg/kg	-	-	-	-	-	1280	2240	3180	4520	1860	2310	1580	9900
Selenium	mg/kg	3.9	36	180	1500	6800	ND (2.4)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.2)	ND (2.1)	ND (2.1)
Silver	mg/kg	2	36	180	1500	6800	ND (0.59)	ND (0.55)	0.64	1.1 [g]	1.2	**6**	0.59	ND (2.7) [g]
Sodium	mg/kg	-	-	-	-	-	ND (1200)	ND (1100)	ND (1100)	ND (1100)	ND (1100)	ND (1100)	ND (1000)	ND (1100)
Thallium	mg/kg	-					ND (1.2)	ND (1.1)	ND (1.1)	ND (2.2) [g]	ND (1.1)	ND (1.1)	ND (1.0)	ND (5.4) [g]
Vanadium	mg/kg	-	100				25.1	18.8	27.7	24.8	23.9	24.1	25.7	39.1
Zinc	mg/kg	109	2200	10000	10000	10000	108	31.2	36.1	**283**	**140**	26.5	62.9	65.1
General Chemistry														
Cyanide	mg/kg	27	27	27	27	10000	ND (0.29)	ND (0.23)	ND (0.27)	ND (0.29)	ND (0.28)	ND (0.27)	ND (0.28)	ND (0.26)
Solids, Percent	%	-	-	-	-	-	88.8	91.2	89.6	90	89.4	91.1	91.6	92.2

Footnotes:

[a] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

[b] 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.

[c] 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. More than 40% RPD for detected concentrations between the two GC columns.

[d] More than 40 % RPD for detected concentrations between the two GC columns.

[e] 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. More than 40% RPD for detected concentrations between the two GC columns.

[f] 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] Elevated detection limit due to dilution required for high interfering element.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. SGS assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

89 results exceeded regulatory criteria.

SGS Dayton, NJ

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)	SB-5(4.5-5)	SB-5(11-11.5)	SB-7(2-2.5)	SB-7(7-7.5)
Lab Sample ID:							**JD46592-9**	**JD46592-10**	**JD46674-1**	**JD46674-2**	**JD46674-3**	**JD46674-4**	**JD46674-5**	**JD46674-6**
Date Sampled:							**6/13/2022**	**6/13/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
MS Volatiles (SW846 8260D)														
1,1,1-Trichloroethane	mg/kg	0.68	100	100	500	1000	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
1,1,2,2-Tetrachloroethane	mg/kg	-	35				ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
1,1,2-Trichloroethane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
1,1-Dichloroethane	mg/kg	0.27	19	26	240	480	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
1,1-Dichloroethene	mg/kg	0.33	100	100	500	1000	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
1,2,3-Trichlorobenzene	mg/kg	-					ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
1,2,4-Trichlorobenzene	mg/kg	-					ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
1,2-Dibromo-3-chloropropane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
1,2-Dibromoethane	mg/kg	-	-	-	-	-	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
1,2-Dichlorobenzene	mg/kg	1.1	100	100	500	1000	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
1,2-Dichloroethane	mg/kg	0.02	2.3	3.1	30	60	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
1,2-Dichloropropane	mg/kg	-					ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
1,3-Dichlorobenzene	mg/kg	2.4	17	49	280	560	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
1,4-Dichlorobenzene	mg/kg	1.8	9.8	13	130	250	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
2-Butanone (MEK)	mg/kg	0.12	100	100	500	1000	ND (0.010)	ND (0.0088)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)	ND (0.0096)	0.0061 J
2-Hexanone	mg/kg	-	-	-	-	-	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
4-Methyl-2-pentanone(MIBK)	mg/kg	-					ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
Acetone	mg/kg	0.05	100	100	500	1000	0.0117	ND (0.0088)	ND (0.011)	ND (0.011)	ND (0.010)	ND (0.0098)	ND (0.0096)	0.0499
Benzene	mg/kg	0.06	2.9	4.8	44	89	ND (0.00051)	ND (0.00044)	ND (0.00055)	ND (0.00057)	ND (0.00050)	ND (0.00049)	ND (0.00048)	ND (0.00060)
Bromochloromethane	mg/kg	-	-	-	-	-	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
Bromodichloromethane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Bromoform	mg/kg	-	-	-	-	-	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
Bromomethane	mg/kg	-	-	-	-	-	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
Carbon disulfide	mg/kg	-	100				ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	0.00088 J
Carbon tetrachloride	mg/kg	0.76	1.4	2.4	22	44	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Chlorobenzene	mg/kg	1.1	100	100	500	1000	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Chloroethane	mg/kg	-					ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
Chloroform	mg/kg	0.37	10	49	350	700	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Chloromethane	mg/kg	-	-	-	-	-	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
cis-1,2-Dichloroethene	mg/kg	0.25	59	100	500	1000	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
cis-1,3-Dichloropropene	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Cyclohexane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Dibromochloromethane	mg/kg	-					ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Dichlorodifluoromethane	mg/kg	-	-	-	-	-	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
Ethylbenzene	mg/kg	1	30	41	390	780	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
Freon 113	mg/kg	-	100				ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
Isopropylbenzene	mg/kg	-	100				ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)	SB-5(4.5-5)	SB-5(11-11.5)	SB-7(2-2.5)	SB-7(7-7.5)
Lab Sample ID:							**JD46592-9**	**JD46592-10**	**JD46674-1**	**JD46674-2**	**JD46674-3**	**JD46674-4**	**JD46674-5**	**JD46674-6**
Date Sampled:							**6/13/2022**	**6/13/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
m,p-Xylene	mg/kg	0.26	100	100	500	1000	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
Methyl Acetate	mg/kg	-	-	-	-	-	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
Methyl Tert Butyl Ether	mg/kg	0.93	62	100	500	1000	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
Methylcyclohexane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Methylene chloride	mg/kg	0.05	51	100	500	1000	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
o-Xylene	mg/kg	0.26	100	100	500	1000	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
Styrene	mg/kg	-					ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Tetrachloroethene	mg/kg	1.3	5.5	19	150	300	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Toluene	mg/kg	0.7	100	100	500	1000	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
trans-1,2-Dichloroethene	mg/kg	0.19	100	100	500	1000	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
trans-1,3-Dichloropropene	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Trichloroethene	mg/kg	0.47	10	21	200	400	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
Trichlorofluoromethane	mg/kg	-	-	-	-	-	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0057)	ND (0.0050)	ND (0.0049)	ND (0.0048)	ND (0.0060)
Vinyl chloride	mg/kg	0.02	0.21	0.9	13	27	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0023)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0024)
Xylene (total)	mg/kg	0.26	100	100	500	1000	ND (0.0010)	ND (0.00088)	ND (0.0011)	ND (0.0011)	ND (0.0010)	ND (0.00098)	ND (0.00096)	ND (0.0012)
MS Volatile TIC														
Total TIC, Volatile	mg/kg	-	-	-	-	-	0	0	0	0	0	0	0	0
MS Semi-volatiles (SW846 8270E)														
1,1'-Biphenyl	mg/kg	-					0.0148 J	ND (0.068)	0.091	-	ND (0.073)	ND (0.079)	0.0712 J	ND (0.072)
1,2,4,5-Tetrachlorobenzene	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
1,4-Dioxane	mg/kg	0.1	9.8	13	130	250	ND (0.036)	ND (0.034)	ND (0.036)	-	ND (0.037)	ND (0.040)	ND (0.038)	ND (0.036)
2,2'-Oxybis(1-chloropropane)	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
2,3,4,6-Tetrachlorophenol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
2,4,5-Trichlorophenol	mg/kg	-	100				ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
2,4,6-Trichlorophenol	mg/kg	-					ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
2,4-Dichlorophenol	mg/kg	-	100				ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
2,4-Dimethylphenol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
2,4-Dinitrophenol	mg/kg	-	100				ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
2,4-Dinitrotoluene	mg/kg	-	-	-	-	-	ND (0.036)	ND (0.034)	ND (0.036)	-	ND (0.037)	ND (0.040)	ND (0.038)	ND (0.036)
2,6-Dinitrotoluene	mg/kg	-	1.03				ND (0.036)	ND (0.034)	ND (0.036)	-	ND (0.037)	ND (0.040)	ND (0.038)	ND (0.036)
2-Chloronaphthalene	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
2-Chlorophenol	mg/kg	-	100				ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
2-Methylnaphthalene	mg/kg	-	0.41				0.0397	ND (0.034)	0.276	-	ND (0.037)	0.0118 J	0.201	ND (0.036)
2-Methylphenol	mg/kg	0.33	100	100	500	1000	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
2-Nitroaniline	mg/kg	-					ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
2-Nitrophenol	mg/kg	-					ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
3&4-Methylphenol	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	0.0431 J	ND (0.072)
3,3'-Dichlorobenzidine	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
3-Nitroaniline	mg/kg	-					ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
4,6-Dinitro-o-cresol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
4-Bromophenyl phenyl ether	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)	SB-5(4.5-5)	SB-5(11-11.5)	SB-7(2-2.5)	SB-7(7-7.5)
Lab Sample ID:							**JD46592-9**	**JD46592-10**	**JD46674-1**	**JD46674-2**	**JD46674-3**	**JD46674-4**	**JD46674-5**	**JD46674-6**
Date Sampled:							**6/13/2022**	**6/13/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
4-Chloro-3-methyl phenol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
4-Chloroaniline	mg/kg	-	100				ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
4-Chlorophenyl phenyl ether	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
4-Nitroaniline	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
4-Nitrophenol	mg/kg	-					ND (0.36)	ND (0.34)	ND (0.36)	-	ND (0.37)	ND (0.40)	ND (0.38)	ND (0.36)
Acenaphthene	mg/kg	20	100	100	500	1000	0.152	ND (0.034)	1.57	-	ND (0.037)	ND (0.040)	0.689	0.0133 J
Acenaphthylene	mg/kg	100	100	100	500	1000	0.231	ND (0.034)	0.12	-	ND (0.037)	ND (0.040)	0.661	ND (0.036)
Acetophenone	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
Anthracene	mg/kg	100	100	100	500	1000	0.461	ND (0.034)	2.83	-	ND (0.037)	ND (0.040)	2.71	ND (0.036)
Atrazine	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
Benzaldehyde	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	0.0550 J	ND (0.18)
Benzo(a)anthracene	mg/kg	1	1	1	5.6	11	**1.81**	0.0196 J	**8.49**	-	ND (0.037)	ND (0.040)	**7.32**	0.0212 J
Benzo(a)pyrene	mg/kg	1	1	1	1	1.1	**1.75**	ND (0.034)	**6.63**	-	ND (0.037)	ND (0.040)	**6.89**	ND (0.036)
Benzo(b)fluoranthene	mg/kg	1	1	1	5.6	11	**2.24**	0.0180 J	**8.86**	-	ND (0.037)	ND (0.040)	**7.88**	ND (0.036)
Benzo(g,h,i)perylene	mg/kg	100	100	100	500	1000	1.03	ND (0.034)	3.83	-	ND (0.037)	ND (0.040)	4.29	0.0311 J
Benzo(k)fluoranthene	mg/kg	0.8	1	3.9	56	110	**0.895**	ND (0.034)	**2.7**	-	ND (0.037)	ND (0.040)	**2.07**	ND (0.036)
bis(2-Chloroethoxy)methane	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
bis(2-Chloroethyl)ether	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
bis(2-Ethylhexyl)phthalate	mg/kg	-	50				ND (0.071)	0.0107 JB	0.0283 J	-	ND (0.073)	ND (0.079)	0.0440 J	ND (0.072)
Butyl benzyl phthalate	mg/kg	-	100				ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
Caprolactam	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
Carbazole	mg/kg	-	-	-	-	-	0.201	ND (0.068)	1.68	-	ND (0.073)	ND (0.079)	0.687	ND (0.072)
Chrysene	mg/kg	1	1	3.9	56	110	**1.92**	0.0184 J	**8.05**	-	ND (0.037)	ND (0.040)	**6.4**	0.0173 J
Di-n-butyl phthalate	mg/kg	-	100				ND (0.071)	0.0072 J	0.0103 J	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
Di-n-octyl phthalate	mg/kg	-	100				ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.56	1.1	**0.355**	ND (0.034)	**1.19**	-	ND (0.037)	ND (0.040)	**0.979**	ND (0.036)
Dibenzofuran	mg/kg	7	14	59	350	1000	0.0756	ND (0.068)	0.78	-	ND (0.073)	ND (0.079)	0.519	ND (0.072)
Diethyl phthalate	mg/kg	-	100				ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
Dimethyl phthalate	mg/kg	-	100				ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
Fluoranthene	mg/kg	100	100	100	500	1000	2.37	0.0342	15.5	-	ND (0.037)	ND (0.040)	15	0.0436
Fluorene	mg/kg	30	100	100	500	1000	0.136	ND (0.034)	1.35	-	ND (0.037)	ND (0.040)	0.979	ND (0.036)
Hexachlorobenzene	mg/kg	0.33	0.41	1.2	6	12	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
Hexachlorobutadiene	mg/kg	-	-	-	-	-	ND (0.036)	ND (0.034)	ND (0.036)	-	ND (0.037)	ND (0.040)	ND (0.038)	ND (0.036)
Hexachlorocyclopentadiene	mg/kg	-					ND (0.36)	ND (0.34)	ND (0.36) [a]	-	ND (0.37) [a]	ND (0.40) [a]	ND (0.38) [a]	ND (0.36) [a]
Hexachloroethane	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	5.6	11	**1.25**	ND (0.034)	**4.81**	-	ND (0.037)	ND (0.040)	**5**	ND (0.036)
Isophorone	mg/kg	-	100				ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
N-Nitroso-di-n-propylamine	mg/kg	-	-	-	-	-	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
N-Nitrosodiphenylamine	mg/kg	-					ND (0.18)	ND (0.17)	ND (0.18)	-	ND (0.18)	ND (0.20)	ND (0.19)	ND (0.18)
Naphthalene	mg/kg	12	100	100	500	1000	0.0653	ND (0.034)	0.621	-	ND (0.037)	0.0144 J	0.394	ND (0.036)
Nitrobenzene	mg/kg	-	3.7	15	69	140	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	ND (0.077)	ND (0.072)
Pentachlorophenol	mg/kg	0.8	2.4	6.7	6.7	55	ND (0.14)	ND (0.14)	ND (0.15) [a]	-	ND (0.15) [a]	ND (0.16) [a]	ND (0.15) [a]	ND (0.14) [a]
Phenanthrene	mg/kg	100	100	100	500	1000	1.51	0.0348	13.6	-	ND (0.037)	0.0143 J	10.9	ND (0.036)
Phenol	mg/kg	0.33	100	100	500	1000	ND (0.071)	ND (0.068)	ND (0.073)	-	ND (0.073)	ND (0.079)	0.0222 J	ND (0.072)
Pyrene	mg/kg	100	100	100	500	1000	3.21	0.0362	14.1	-	ND (0.037)	ND (0.040)	15.1	0.0904

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)	SB-5(4.5-5)	SB-5(11-11.5)	SB-7(2-2.5)	SB-7(7-7.5)
Lab Sample ID:							**JD46592-9**	**JD46592-10**	**JD46674-1**	**JD46674-2**	**JD46674-3**	**JD46674-4**	**JD46674-5**	**JD46674-6**
Date Sampled:							**6/13/2022**	**6/13/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
MS Semi-volatile TIC														
Total TIC, Semi-Volatile	mg/kg	-	-	-	-	-	8.44 J	0.34 J	29.45 J	-	0	0	25.89 J	5.67 J
GC/LC Semi-volatiles (SW846 8081B)														
4,4'-DDD	mg/kg	0.0033	2.6	13	92	180	0.0027 [b]	**0.0035**	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
4,4'-DDE	mg/kg	0.0033	1.8	8.9	62	120	0.0019 [d]	ND (0.00064)	0.0017	-	ND (0.00066)	ND (0.00079)	0.0022	ND (0.00072)
4,4'-DDT	mg/kg	0.0033	1.7	7.9	47	94	**0.0280 B**	**0.0369 B**	**0.0083 B [e]**	-	0.00078 B [f]	**0.0036 B [f]**	**0.0039 B**	0.00063 JB
Aldrin	mg/kg	0.005	0.019	0.097	0.68	1.4	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
alpha-BHC	mg/kg	0.02	0.097	0.48	3.4	6.8	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
alpha-Chlordane	mg/kg	0.094	0.91	4.2	24	47	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
beta-BHC	mg/kg	0.036	0.072	0.36	3	14	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
delta-BHC	mg/kg	0.04	100	100	500	1000	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
Dieldrin	mg/kg	0.005	0.039	0.2	1.4	2.8	ND (0.00069)	ND (0.00064)	0.0050 [d]	-	ND (0.00066)	ND (0.00079)	0.0018 [d]	ND (0.00072)
Endosulfan sulfate	mg/kg	2.4	4.8	24	200	920	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
Endosulfan-I	mg/kg	2.4	4.8	24	200	920	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
Endosulfan-II	mg/kg	2.4	4.8	24	200	920	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
Endrin	mg/kg	0.014	2.2	11	89	410	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
Endrin aldehyde	mg/kg	-	-	-	-	-	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
Endrin ketone	mg/kg	-	-	-	-	-	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
gamma-BHC (Lindane)	mg/kg	0.1	0.28	1.3	9.2	23	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
gamma-Chlordane	mg/kg	-	0.54				ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
Heptachlor	mg/kg	0.042	0.42	2.1	15	29	ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
Heptachlor epoxide	mg/kg	-	0.077				ND (0.00069)	ND (0.00064)	ND (0.00075)	-	ND (0.00066)	ND (0.00079)	ND (0.00077)	ND (0.00072)
Methoxychlor	mg/kg	-	100				ND (0.0014)	ND (0.0013)	ND (0.0015)	-	ND (0.0013)	ND (0.0016)	ND (0.0015)	ND (0.0014)
Toxaphene	mg/kg	-	-	-	-	-	ND (0.017)	ND (0.016)	ND (0.019)	-	ND (0.016)	ND (0.020)	ND (0.019)	ND (0.018)
GC/LC Semi-volatiles (SW846 8082A)														
Aroclor 1016	mg/kg	0.1	1	1	1	25	ND (0.035)	ND (0.032)	ND (0.037)	-	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)
Aroclor 1221	mg/kg	0.1	1	1	1	25	ND (0.035)	ND (0.032)	ND (0.037)	-	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)
Aroclor 1232	mg/kg	0.1	1	1	1	25	ND (0.035)	ND (0.032)	ND (0.037)	-	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)
Aroclor 1242	mg/kg	0.1	1	1	1	25	ND (0.035)	ND (0.032)	ND (0.037)	-	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)
Aroclor 1248	mg/kg	0.1	1	1	1	25	ND (0.035)	ND (0.032)	ND (0.037)	-	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)
Aroclor 1254	mg/kg	0.1	1	1	1	25	ND (0.035)	ND (0.032)	ND (0.037)	-	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)
Aroclor 1260	mg/kg	0.1	1	1	1	25	ND (0.035)	ND (0.032)	ND (0.037)	-	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)
Aroclor 1262	mg/kg	0.1	1	1	1	25	ND (0.035)	ND (0.032)	ND (0.037)	-	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)
Aroclor 1268	mg/kg	0.1	1	1	1	25	ND (0.035)	ND (0.032)	ND (0.037)	-	ND (0.033)	ND (0.040)	ND (0.039)	ND (0.036)
Metals Analysis														
Aluminum	mg/kg	-					9820	6520	16600	-	11000	3820	8600	7570

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)	SB-5(4.5-5)	SB-5(11-11.5)	SB-7(2-2.5)	SB-7(7-7.5)
Lab Sample ID:							**JD46592-9**	**JD46592-10**	**JD46674-1**	**JD46674-2**	**JD46674-3**	**JD46674-4**	**JD46674-5**	**JD46674-6**
Date Sampled:							**6/13/2022**	**6/13/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
Antimony	mg/kg	-					ND (2.2)	ND (2.2)	ND (4.5) [g]	-	ND (4.4) [g]	ND (2.5)	115	ND (2.2)
Arsenic	mg/kg	13	16	16	16	16	4.4	ND (2.2)	5.6 [g]	-	ND (2.2)	4.1	8.7	ND (2.2)
Barium	mg/kg	350	350	400	400	10000	108	57.4	123	-	126	52.2	223	45.8
Beryllium	mg/kg	7.2	14	72	590	2700	0.43	0.32	0.58	-	0.61 [g]	0.47	0.43	0.34
Cadmium	mg/kg	2.5	2.5	4.3	9.3	60	ND (0.55)	ND (0.54)	1.2 [g]	-	ND (0.54)	ND (0.64)	0.84	ND (0.55)
Calcium	mg/kg	-					62000	1880	11500	-	2610	1690	21000	1400
Chromium	mg/kg	-	-	-	-	-	18.6	18.4	25.3	-	25.9	14.1	23.6	15.1
Cobalt	mg/kg	-	30				5.9	7	9.4	-	14.4 [g]	ND (6.4)	6.8	ND (5.5)
Copper	mg/kg	50	270	270	270	10000	32.4	14.4	**87.2 [g]**	-	18.8	12.9	**78.4**	11.8
Iron	mg/kg	-	2000				**13400**	**12700**	**23400**	-	**17800**	**16200**	**19200**	**12700**
Lead	mg/kg	63	400	400	1000	3900	**262**	3.7	**248 [g]**	-	27	20.6	**2670**	3.5
Magnesium	mg/kg	-	-	-	-	-	5840	2590	5190	-	4800	1520	9960	1590
Manganese	mg/kg	1600	2000	2000	10000	10000	303	171	287	-	448	696	300	333
Mercury	mg/kg	0.18	0.81	0.81	2.8	5.7	**0.35**	ND (0.029)	**0.47**	-	ND (0.032)	ND (0.039)	**2.9**	ND (0.035)
Nickel	mg/kg	30	140	310	310	10000	15.9	17.2	24.2	-	23.2	17.1	15.7	12.9
Potassium	mg/kg	-	-	-	-	-	2190	2970	1590	-	5270	1370	1970	1830
Selenium	mg/kg	3.9	36	180	1500	6800	ND (2.2)	ND (2.2)	ND (4.5) [g]	-	ND (2.2)	ND (2.5)	ND (2.3)	ND (2.2)
Silver	mg/kg	2	36	180	1500	6800	0.67	ND (0.54)	**2.1 [g]**	-	ND (1.1) [g]	1.1	1.4	0.7
Sodium	mg/kg	-	-	-	-	-	ND (1100)	ND (1100)	ND (1100)	-	ND (1100)	ND (1300)	ND (1100)	ND (1100)
Thallium	mg/kg	-					ND (1.1)	ND (1.1)	ND (2.3) [g]	-	ND (2.2) [g]	ND (1.3)	ND (1.1)	ND (1.1)
Vanadium	mg/kg	-	100				30.6	17.7	36.9	-	29.1	18.6	21.5	15.5
Zinc	mg/kg	109	2200	10000	10000	10000	**153**	26.1	**218**	-	48.6	19	**552**	20.2
General Chemistry														
Cyanide	mg/kg	27	27	27	27	10000	ND (0.31)	ND (0.28)	ND (0.25)	-	ND (0.25)	ND (0.31)	0.26	ND (0.26)
Solids, Percent	%	-	-	-	-	-	92.3	92	86.4	-	91	81	85.5	91.2

Footnotes:

[a] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analy

[b] 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 c

[c] 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 c between the two GC columns.

[d] More than 40 % RPD for detected concentrations between the two GC columns.

[e] 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 c between the two GC columns.

[f] 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 o

[g] Elevated detection limit due to dilution required for high interfering element.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advis regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the us

89 results exceeded regulatory criteria.

SGS Dayton, NJ								Jul 08, 2022 15:40 pm
Job Numbers:	**JD46592-JD46674**	**(Solid)**						
Account:	**SESI Consulting Engineers**							
Project:	**33-39 Lawton Street, New Rochelle, NY**							
Project Number:	**12529**							
Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).							**Legend:**	**Exceed**
Client Sample ID:		**NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)**	**NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**SB-8(1.5-2)**	**SB-8(9.5-10)**
Lab Sample ID:							**JD46674-7**	**JD46674-8**
Date Sampled:							**6/14/2022**	**6/14/2022**
Matrix:							**Soil**	**Soil**
MS Volatiles (SW846 8260D)								
1,1,1-Trichloroethane	mg/kg	0.68	100	100	500	1000	ND (0.0020)	ND (0.0019)
1,1,2,2-Tetrachloroethane	mg/kg	-	35				ND (0.0020)	ND (0.0019)
1,1,2-Trichloroethane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0019)
1,1-Dichloroethane	mg/kg	0.27	19	26	240	480	ND (0.00099)	ND (0.00095)
1,1-Dichloroethene	mg/kg	0.33	100	100	500	1000	ND (0.00099)	ND (0.00095)
1,2,3-Trichlorobenzene	mg/kg	-					ND (0.0049)	ND (0.0047)
1,2,4-Trichlorobenzene	mg/kg	-					ND (0.0049)	ND (0.0047)
1,2-Dibromo-3-chloropropane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0019)
1,2-Dibromoethane	mg/kg	-	-	-	-	-	ND (0.00099)	ND (0.00095)
1,2-Dichlorobenzene	mg/kg	1.1	100	100	500	1000	ND (0.00099)	ND (0.00095)
1,2-Dichloroethane	mg/kg	0.02	2.3	3.1	30	60	ND (0.00099)	ND (0.00095)
1,2-Dichloropropane	mg/kg	-					ND (0.0020)	ND (0.0019)
1,3-Dichlorobenzene	mg/kg	2.4	17	49	280	560	ND (0.00099)	ND (0.00095)
1,4-Dichlorobenzene	mg/kg	1.8	9.8	13	130	250	ND (0.00099)	ND (0.00095)
2-Butanone (MEK)	mg/kg	0.12	100	100	500	1000	ND (0.0099)	ND (0.0095)
2-Hexanone	mg/kg	-	-	-	-	-	ND (0.0049)	ND (0.0047)
4-Methyl-2-pentanone(MIBK)	mg/kg	-					ND (0.0049)	ND (0.0047)
Acetone	mg/kg	0.05	100	100	500	1000	ND (0.0099)	0.0046 J
Benzene	mg/kg	0.06	2.9	4.8	44	89	ND (0.00049)	ND (0.00047)
Bromochloromethane	mg/kg	-	-	-	-	-	ND (0.0049)	ND (0.0047)
Bromodichloromethane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0019)
Bromoform	mg/kg	-	-	-	-	-	ND (0.0049)	ND (0.0047)
Bromomethane	mg/kg	-	-	-	-	-	ND (0.0049)	ND (0.0047)
Carbon disulfide	mg/kg	-	100				ND (0.0020)	ND (0.0019)
Carbon tetrachloride	mg/kg	0.76	1.4	2.4	22	44	ND (0.0020)	ND (0.0019)
Chlorobenzene	mg/kg	1.1	100	100	500	1000	ND (0.0020)	ND (0.0019)
Chloroethane	mg/kg	-					ND (0.0049)	ND (0.0047)
Chloroform	mg/kg	0.37	10	49	350	700	ND (0.0020)	ND (0.0019)
Chloromethane	mg/kg	-	-	-	-	-	ND (0.0049)	ND (0.0047)
cis-1,2-Dichloroethene	mg/kg	0.25	59	100	500	1000	ND (0.00099)	ND (0.00095)
cis-1,3-Dichloropropene	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0019)
Cyclohexane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0019)
Dibromochloromethane	mg/kg	-					ND (0.0020)	ND (0.0019)
Dichlorodifluoromethane	mg/kg	-	-	-	-	-	ND (0.0049)	ND (0.0047)
Ethylbenzene	mg/kg	1	30	41	390	780	ND (0.00099)	ND (0.00095)
Freon 113	mg/kg	-	100				ND (0.0049)	ND (0.0047)
Isopropylbenzene	mg/kg	-	100				ND (0.0020)	ND (0.0019)

Job Numbers:	**JD46592-JD46674**	**(Solid)**	
Account:	**SESI Consulting Engineers**		
Project:	**33-39 Lawton Street, New Rochelle, NY**		
Project Number:	**12529**		
Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).		**Legend:**	**Exceed**

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-8(1.5-2)	SB-8(9.5-10)
Lab Sample ID:							**JD46674-7**	**JD46674-8**
Date Sampled:							**6/14/2022**	**6/14/2022**
Matrix:							**Soil**	**Soil**
m,p-Xylene	mg/kg	0.26	100	100	500	1000	ND (0.00099)	ND (0.00095)
Methyl Acetate	mg/kg	-	-	-	-	-	ND (0.0049)	ND (0.0047)
Methyl Tert Butyl Ether	mg/kg	0.93	62	100	500	1000	ND (0.00099)	ND (0.00095)
Methylcyclohexane	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0019)
Methylene chloride	mg/kg	0.05	51	100	500	1000	ND (0.0049)	ND (0.0047)
o-Xylene	mg/kg	0.26	100	100	500	1000	ND (0.00099)	ND (0.00095)
Styrene	mg/kg	-					ND (0.0020)	ND (0.0019)
Tetrachloroethene	mg/kg	1.3	5.5	19	150	300	ND (0.0020)	ND (0.0019)
Toluene	mg/kg	0.7	100	100	500	1000	ND (0.00099)	ND (0.00095)
trans-1,2-Dichloroethene	mg/kg	0.19	100	100	500	1000	ND (0.00099)	ND (0.00095)
trans-1,3-Dichloropropene	mg/kg	-	-	-	-	-	ND (0.0020)	ND (0.0019)
Trichloroethene	mg/kg	0.47	10	21	200	400	ND (0.00099)	ND (0.00095)
Trichlorofluoromethane	mg/kg	-	-	-	-	-	ND (0.0049)	ND (0.0047)
Vinyl chloride	mg/kg	0.02	0.21	0.9	13	27	ND (0.0020)	ND (0.0019)
Xylene (total)	mg/kg	0.26	100	100	500	1000	ND (0.00099)	ND (0.00095)
MS Volatile TIC								
Total TIC, Volatile	mg/kg	-	-	-	-	-	0	0
MS Semi-volatiles (SW846 8270E)								
1,1'-Biphenyl	mg/kg	-					0.0062 J	ND (0.075)
1,2,4,5-Tetrachlorobenzene	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.19)
1,4-Dioxane	mg/kg	0.1	9.8	13	130	250	ND (0.036)	ND (0.037)
2,2'-Oxybis(1-chloropropane)	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
2,3,4,6-Tetrachlorophenol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.19)
2,4,5-Trichlorophenol	mg/kg	-	100				ND (0.18)	ND (0.19)
2,4,6-Trichlorophenol	mg/kg	-					ND (0.18)	ND (0.19)
2,4-Dichlorophenol	mg/kg	-	100				ND (0.18)	ND (0.19)
2,4-Dimethylphenol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.19)
2,4-Dinitrophenol	mg/kg	-	100				ND (0.18)	ND (0.19)
2,4-Dinitrotoluene	mg/kg	-	-	-	-	-	ND (0.036)	ND (0.037)
2,6-Dinitrotoluene	mg/kg	-	1.03				ND (0.036)	ND (0.037)
2-Chloronaphthalene	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
2-Chlorophenol	mg/kg	-	100				ND (0.072)	ND (0.075)
2-Methylnaphthalene	mg/kg	-	0.41				0.0164 J	0.0103 J
2-Methylphenol	mg/kg	0.33	100	100	500	1000	ND (0.072)	ND (0.075)
2-Nitroaniline	mg/kg	-					ND (0.18)	ND (0.19)
2-Nitrophenol	mg/kg	-					ND (0.18)	ND (0.19)
3&4-Methylphenol	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
3,3'-Dichlorobenzidine	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
3-Nitroaniline	mg/kg	-					ND (0.18)	ND (0.19)
4,6-Dinitro-o-cresol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.19)
4-Bromophenyl phenyl ether	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)

Job Numbers:	JD46592-JD46674	(Solid)						
Account:	SESI Consulting Engineers							
Project:	33-39 Lawton Street, New Rochelle, NY							
Project Number:	12529							
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Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-8(1.5-2)	SB-8(9.5-10)
Lab Sample ID:							JD46674-7	JD46674-8
Date Sampled:							6/14/2022	6/14/2022
Matrix:							Soil	Soil
4-Chloro-3-methyl phenol	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.19)
4-Chloroaniline	mg/kg	-	100				ND (0.18)	ND (0.19)
4-Chlorophenyl phenyl ether	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
4-Nitroaniline	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.19)
4-Nitrophenol	mg/kg	-					ND (0.36)	ND (0.37)
Acenaphthene	mg/kg	20	100	100	500	1000	0.0308 J	0.0453
Acenaphthylene	mg/kg	100	100	100	500	1000	0.0219 J	0.0250 J
Acetophenone	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.19)
Anthracene	mg/kg	100	100	100	500	1000	0.0703	0.105
Atrazine	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
Benzaldehyde	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.19)
Benzo(a)anthracene	mg/kg	1	1	1	5.6	11	0.243	0.323
Benzo(a)pyrene	mg/kg	1	1	1	1	1.1	0.197	0.244
Benzo(b)fluoranthene	mg/kg	1	1	1	5.6	11	0.256	0.304
Benzo(g,h,i)perylene	mg/kg	100	100	100	500	1000	0.172	0.156
Benzo(k)fluoranthene	mg/kg	0.8	1	3.9	56	110	0.0964	0.127
bis(2-Chloroethoxy)methane	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
bis(2-Chloroethyl)ether	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
bis(2-Ethylhexyl)phthalate	mg/kg	-	50				0.0283 J	ND (0.075)
Butyl benzyl phthalate	mg/kg	-	100				ND (0.072)	ND (0.075)
Caprolactam	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
Carbazole	mg/kg	-	-	-	-	-	0.0304 J	0.0471 J
Chrysene	mg/kg	1	1	3.9	56	110	0.245	0.302
Di-n-butyl phthalate	mg/kg	-	100				ND (0.072)	ND (0.075)
Di-n-octyl phthalate	mg/kg	-	100				ND (0.072)	ND (0.075)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.56	1.1	0.042	0.0392
Dibenzofuran	mg/kg	7	14	59	350	1000	0.0155 J	0.0248 J
Diethyl phthalate	mg/kg	-	100				ND (0.072)	ND (0.075)
Dimethyl phthalate	mg/kg	-	100				ND (0.072)	ND (0.075)
Fluoranthene	mg/kg	100	100	100	500	1000	0.483	0.659
Fluorene	mg/kg	30	100	100	500	1000	0.0287 J	0.0457
Hexachlorobenzene	mg/kg	0.33	0.41	1.2	6	12	ND (0.072)	ND (0.075)
Hexachlorobutadiene	mg/kg	-	-	-	-	-	ND (0.036)	ND (0.037)
Hexachlorocyclopentadiene	mg/kg	-					ND (0.36) [a]	ND (0.37) [a]
Hexachloroethane	mg/kg	-	-	-	-	-	ND (0.18)	ND (0.19)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	5.6	11	0.178	0.19
Isophorone	mg/kg	-	100				ND (0.072)	ND (0.075)
N-Nitroso-di-n-propylamine	mg/kg	-	-	-	-	-	ND (0.072)	ND (0.075)
N-Nitrosodiphenylamine	mg/kg	-					ND (0.18)	ND (0.19)
Naphthalene	mg/kg	12	100	100	500	1000	0.0207 J	0.0192 J
Nitrobenzene	mg/kg	-	3.7	15	69	140	ND (0.072)	ND (0.075)
Pentachlorophenol	mg/kg	0.8	2.4	6.7	6.7	55	ND (0.14) [a]	ND (0.15) [a]
Phenanthrene	mg/kg	100	100	100	500	1000	0.308	0.46
Phenol	mg/kg	0.33	100	100	500	1000	ND (0.072)	ND (0.075)
Pyrene	mg/kg	100	100	100	500	1000	0.478	0.644

Job Numbers:	JD46592-JD46674	(Solid)						
Account:	SESI Consulting Engineers							
Project:	33-39 Lawton Street, New Rochelle, NY							
Project Number:	12529							
Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).							Legend:	Exceed

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-8(1.5-2)	SB-8(9.5-10)
Lab Sample ID:							JD46674-7	JD46674-8
Date Sampled:							6/14/2022	6/14/2022
Matrix:							Soil	Soil
MS Semi-volatile TIC								
Total TIC, Semi-Volatile	mg/kg	-	-	-	-	-	0.99 J	2.3 J
GC/LC Semi-volatiles (SW846 8081B)								
4,4'-DDD	mg/kg	0.0033	2.6	13	92	180	ND (0.00069)	ND (0.00070)
4,4'-DDE	mg/kg	0.0033	1.8	8.9	62	120	ND (0.00069)	ND (0.00070)
4,4'-DDT	mg/kg	0.0033	1.7	7.9	47	94	0.0016 B [f]	**0.0049 B [e]**
Aldrin	mg/kg	0.005	0.019	0.097	0.68	1.4	ND (0.00069)	ND (0.00070)
alpha-BHC	mg/kg	0.02	0.097	0.48	3.4	6.8	ND (0.00069)	ND (0.00070)
alpha-Chlordane	mg/kg	0.094	0.91	4.2	24	47	ND (0.00069)	ND (0.00070)
beta-BHC	mg/kg	0.036	0.072	0.36	3	14	ND (0.00069)	ND (0.00070)
delta-BHC	mg/kg	0.04	100	100	500	1000	ND (0.00069)	ND (0.00070)
Dieldrin	mg/kg	0.005	0.039	0.2	1.4	2.8	ND (0.00069)	ND (0.00070)
Endosulfan sulfate	mg/kg	2.4	4.8	24	200	920	ND (0.00069)	ND (0.00070)
Endosulfan-I	mg/kg	2.4	4.8	24	200	920	ND (0.00069)	ND (0.00070)
Endosulfan-II	mg/kg	2.4	4.8	24	200	920	ND (0.00069)	ND (0.00070)
Endrin	mg/kg	0.014	2.2	11	89	410	ND (0.00069)	ND (0.00070)
Endrin aldehyde	mg/kg	-	-	-	-	-	ND (0.00069)	ND (0.00070)
Endrin ketone	mg/kg	-	-	-	-	-	ND (0.00069)	ND (0.00070)
gamma-BHC (Lindane)	mg/kg	0.1	0.28	1.3	9.2	23	ND (0.00069)	ND (0.00070)
gamma-Chlordane	mg/kg	-	0.54				ND (0.00069)	ND (0.00070)
Heptachlor	mg/kg	0.042	0.42	2.1	15	29	ND (0.00069)	ND (0.00070)
Heptachlor epoxide	mg/kg	-	0.077				ND (0.00069)	ND (0.00070)
Methoxychlor	mg/kg	-	100				ND (0.0014)	ND (0.0014)
Toxaphene	mg/kg	-	-	-	-	-	ND (0.017)	ND (0.018)
GC/LC Semi-volatiles (SW846 8082A)								
Aroclor 1016	mg/kg	0.1	1	1	1	25	ND (0.034)	ND (0.035)
Aroclor 1221	mg/kg	0.1	1	1	1	25	ND (0.034)	ND (0.035)
Aroclor 1232	mg/kg	0.1	1	1	1	25	ND (0.034)	ND (0.035)
Aroclor 1242	mg/kg	0.1	1	1	1	25	ND (0.034)	ND (0.035)
Aroclor 1248	mg/kg	0.1	1	1	1	25	ND (0.034)	ND (0.035)
Aroclor 1254	mg/kg	0.1	1	1	1	25	ND (0.034)	ND (0.035)
Aroclor 1260	mg/kg	0.1	1	1	1	25	ND (0.034)	ND (0.035)
Aroclor 1262	mg/kg	0.1	1	1	1	25	ND (0.034)	ND (0.035)
Aroclor 1268	mg/kg	0.1	1	1	1	25	ND (0.034)	ND (0.035)
Metals Analysis								
Aluminum	mg/kg	-					7740	6600

Job Numbers:	JD46592-JD46674	(Solid)						
Account:	SESI Consulting Engineers							
Project:	33-39 Lawton Street, New Rochelle, NY							
Project Number:	12529							
Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).							Legend:	Exceed

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-8(1.5-2)	SB-8(9.5-10)
Lab Sample ID:							JD46674-7	JD46674-8
Date Sampled:							6/14/2022	6/14/2022
Matrix:							Soil	Soil
Antimony	mg/kg	-					ND (2.3)	ND (2.3)
Arsenic	mg/kg	13	16	16	16	16	3.5	3.2
Barium	mg/kg	350	350	400	400	10000	104	121
Beryllium	mg/kg	7.2	14	72	590	2700	0.37	0.3
Cadmium	mg/kg	2.5	2.5	4.3	9.3	60	ND (0.57)	ND (0.58)
Calcium	mg/kg	-					50200	61800
Chromium	mg/kg	-	-	-	-	-	12.8	13.6
Cobalt	mg/kg	-	30				ND (5.7)	ND (5.8)
Copper	mg/kg	50	270	270	270	10000	17.4	14.8
Iron	mg/kg	-	2000				**11100**	**11400**
Lead	mg/kg	63	400	400	1000	3900	**228**	**133**
Magnesium	mg/kg	-	-	-	-	-	10400	12700
Manganese	mg/kg	1600	2000	2000	10000	10000	204	169
Mercury	mg/kg	0.18	0.81	0.81	2.8	5.7	0.095	0.054
Nickel	mg/kg	30	140	310	310	10000	13.7	8.5
Potassium	mg/kg	-	-	-	-	-	1420	ND (1200)
Selenium	mg/kg	3.9	36	180	1500	6800	ND (2.3)	ND (2.3)
Silver	mg/kg	2	36	180	1500	6800	0.61	0.6
Sodium	mg/kg	-	-	-	-	-	ND (1100)	ND (1200)
Thallium	mg/kg	-					ND (1.1)	ND (1.2)
Vanadium	mg/kg	-	100				18	18.3
Zinc	mg/kg	109	2200	10000	10000	10000	101	**139**
General Chemistry								
Cyanide	mg/kg	27	27	27	27	10000	ND (0.29)	ND (0.26)
Solids, Percent	%	-	-	-	-	-	87.2	87.8

Footnotes:

[a] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analy

[b] 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 c

[c] 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 c between the two GC columns.

[d] More than 40 % RPD for detected concentrations between the two GC columns.

[e] 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 c between the two GC columns.

[f] 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 o

[g] Elevated detection limit due to dilution required for high interfering element.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advis regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the us

89 results exceeded regulatory criteria.

SGS Dayton, NJ

Job Numbers:	**JD46592-JD46674**	**(Solid)**
Account:	**SESI Consulting Engineers**	
Project:	**33-39 Lawton Street, New Rochelle, NY**	
Project Number:	**12529**	

Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).

Client Sample ID:		NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)	NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SB-1(1.5-2)	SB-1(5.5-6)	SB-2(4.5-5)	SB-2(12-12.5)	SB-3(4.5-5)	SB-3(9-9.5)	SB-9(4-4.5)	SB-9(11-11.5)	SB-6(3-3.5)	SB-6(13-13.5)	SB-4(2.5-3)	SB-4(10-10.5)	SB-5(4.5-5)
Lab Sample ID:							JD46592-1	JD46592-2	JD46592-3	JD46592-4	JD46592-5	JD46592-6	JD46592-7	JD46592-8	JD46592-9	JD46592-10	JD46674-1	JD46674-2	JD46674-3
Date Sampled:							6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/13/2022	6/14/2022	6/14/2022	6/14/2022
Matrix:							Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MS Semi-volatiles (SW846 8270E)																			
Benzo(a)anthracene	mg/kg	1	1	1	5.6	11	0.689	ND (0.035)	0.0174 J	ND (0.037)	**5.25**	ND (0.036)	0.497	ND (0.036)	**1.81**	0.0196 J	**8.49**	-	ND (0.037)
Benzo(a)pyrene	mg/kg	1	1	1	1	1.1	0.693	ND (0.035)	ND (0.036)	ND (0.037)	**3.19**	ND (0.036)	0.514	ND (0.036)	**1.75**	ND (0.034)	**6.63**	-	ND (0.037)
Benzo(b)fluoranthene	mg/kg	1	1	1	5.6	11	0.872	ND (0.035)	0.0177 J	ND (0.037)	**5.83**	ND (0.036)	0.685	ND (0.036)	**2.24**	0.0180 J	**8.86**	-	ND (0.037)
Benzo(k)fluoranthene	mg/kg	0.8	1	3.9	56	110	0.345	ND (0.035)	ND (0.036)	ND (0.037)	**1.54**	ND (0.036)	0.306	ND (0.036)	**0.895**	ND (0.034)	**2.7**	-	ND (0.037)
Chrysene	mg/kg	1	1	3.9	56	110	0.731	ND (0.035)	0.0161 J	ND (0.037)	**5.14**	ND (0.036)	0.525	ND (0.036)	**1.92**	0.0184 J	**8.05**	-	ND (0.037)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.56	1.1	0.142	ND (0.035)	ND (0.036)	ND (0.037)	**0.661**	ND (0.036)	0.0987 J	ND (0.036)	**0.355**	ND (0.034)	**1.19**	-	ND (0.037)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	5.6	11	**0.536**	ND (0.035)	ND (0.036)	ND (0.037)	**2.41**	ND (0.036)	0.37	ND (0.036)	**1.25**	ND (0.034)	**4.81**	-	ND (0.037)
GC/LC Semi-volatiles (SW846 8081B)																			
4,4'-DDD	mg/kg	0.0033	2.6	13	92	180	ND (0.00075)	ND (0.00071)	0.0009	ND (0.00067)	0.0021	0.0025 [b]	**0.0197 [c]**	**0.026**	0.0027 [b]	**0.0035**	ND (0.00075)	-	ND (0.00066)
4,4'-DDE	mg/kg	0.0033	1.8	8.9	62	120	0.0019 [d]	0.00077	ND (0.00068)	ND (0.00067)	0.0032	ND (0.00072)	**0.0036**	0.0021	0.0019 [d]	ND (0.00064)	0.0017	-	ND (0.00066)
4,4'-DDT	mg/kg	0.0033	1.7	7.9	47	94	**0.0041 B [d]**	**0.0052 B**	**0.0205 B**	**0.0050 B**	**0.0047 B [d]**	**0.0270 B**	**0.0576 B**	**0.0842 B**	**0.0280 B**	**0.0369 B**	**0.0083 B [e]**	-	0.00078 B [f]
Metals Analysis																			
Arsenic	mg/kg	13	16	16	16	16	4.5	ND (2.2)	ND (2.2)	ND (2.2)	**16.1**	ND (2.2)	3.4	ND (2.1)	4.4	ND (2.2)	5.6 [g]	-	ND (2.2)
Copper	mg/kg	50	270	270	270	10000	22.8	10.5	20.7	23.3	**54.5**	14.9	24.9	15.5	32.4	14.4	**87.2 [g]**	-	18.8
Iron	mg/kg	-	2000				**12800**	**11100**	**18900**	**16400**	**18900**	**14300**	**13100**	**20700**	**13400**	**12700**	**23400**	-	**17800**
Lead	mg/kg	63	400	400	1000	3900	**184**	3.2	4.1	2.7	**210**	4	57.6	2.9	**262**	3.7	**248 [g]**	-	27
Mercury	mg/kg	0.18	0.81	0.81	2.8	5.7	**0.24**	ND (0.036)	ND (0.033)	ND (0.033)	**0.84**	ND (0.034)	**0.21**	ND (0.034)	**0.35**	ND (0.029)	**0.47**	-	ND (0.032)
Silver	mg/kg	2	36	180	1500	6800	ND (0.59)	ND (0.55)	0.64	1.1 [g]	1.2	**6**	0.59	ND (2.7) [g]	0.67	ND (0.54)	**2.1 [g]**	-	ND (1.1) [g]
Zinc	mg/kg	109	2200	10000	10000	10000	108	31.2	36.1	**283**	**140**	26.5	62.9	65.1	**153**	26.1	**218**	-	48.6

Footnotes:

[a] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

[b] 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.

[c] 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. More than 40% RPD for detected concentrations between the two GC columns.

[d] More than 40 % RPD for detected concentrations between the two GC columns.

[e] 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. More than 40% RPD for detected concentrations between the two GC columns.

[f] 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] Elevated detection limit due to dilution required for high interfering element.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. SGS assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

89 results exceeded regulatory criteria.

Exceedances ONLY. Only parameters exceeding regulatory criteria in at least one sample are shown.

SGS Dayton, NJ											Jul 08, 2022 15:44 pm
Job Numbers:	**JD46592-JD46674**	**(Solid)**									
Account:	**SESI Consulting Engineers**										
Project:	**33-39 Lawton Street, New Rochelle, NY**										
Project Number:	**12529**										
Results flagged as "Exceed" if any of the selected criteria exceeded (most stringent).										**Legend:**	**Exceed**

Client Sample ID:		**NY SCO - Unrestricted Use (6 NYCRR 375-6 12/06)**	**NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**SB-5(11-11.5)**	**SB-7(2-2.5)**	**SB-7(7-7.5)**	**SB-8(1.5-2)**	**SB-8(9.5-10)**
Lab Sample ID:							**JD46674-4**	**JD46674-5**	**JD46674-6**	**JD46674-7**	**JD46674-8**
Date Sampled:							**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**
Matrix:							**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
MS Semi-volatiles (SW846 8270E)											
Benzo(a)anthracene	mg/kg	1	1	1	5.6	11	ND (0.040)	**7.32**	0.0212 J	0.243	0.323
Benzo(a)pyrene	mg/kg	1	1	1	1	1.1	ND (0.040)	**6.89**	ND (0.036)	0.197	0.244
Benzo(b)fluoranthene	mg/kg	1	1	1	5.6	11	ND (0.040)	**7.88**	ND (0.036)	0.256	0.304
Benzo(k)fluoranthene	mg/kg	0.8	1	3.9	56	110	ND (0.040)	**2.07**	ND (0.036)	0.0964	0.127
Chrysene	mg/kg	1	1	3.9	56	110	ND (0.040)	**6.4**	0.0173 J	0.245	0.302
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.56	1.1	ND (0.040)	**0.979**	ND (0.036)	0.042	0.0392
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	5.6	11	ND (0.040)	**5**	ND (0.036)	0.178	0.19
GC/LC Semi-volatiles (SW846 8081B)											
4,4'-DDD	mg/kg	0.0033	2.6	13	92	180	ND (0.00079)	ND (0.00077)	ND (0.00072)	ND (0.00069)	ND (0.00070)
4,4'-DDE	mg/kg	0.0033	1.8	8.9	62	120	ND (0.00079)	0.0022	ND (0.00072)	ND (0.00069)	ND (0.00070)
4,4'-DDT	mg/kg	0.0033	1.7	7.9	47	94	**0.0036 B [f]**	**0.0039 B**	0.00063 JB	0.0016 B [f]	**0.0049 B [e]**
Metals Analysis											
Arsenic	mg/kg	13	16	16	16	16	4.1	8.7	ND (2.2)	3.5	3.2
Copper	mg/kg	50	270	270	270	10000	12.9	**78.4**	11.8	17.4	14.8
Iron	mg/kg	-	2000				**16200**	**19200**	**12700**	**11100**	**11400**
Lead	mg/kg	63	400	400	1000	3900	20.6	**2670**	3.5	**228**	**133**
Mercury	mg/kg	0.18	0.81	0.81	2.8	5.7	ND (0.039)	**2.9**	ND (0.035)	0.095	0.054
Silver	mg/kg	2	36	180	1500	6800	1.1	1.4	0.7	0.61	0.6
Zinc	mg/kg	109	2200	10000	10000	10000	19	**552**	20.2	101	**139**

Footnotes:

[a] Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affect

[b] 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 confir

[c] 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 confir between the two GC columns.

[d] More than 40 % RPD for detected concentrations between the two GC columns.

[e] 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 confir between the two GC columns.

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[g] Elevated detection limit due to dilution required for high interfering element.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used fo regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of

89 results exceeded regulatory criteria.

Exceedances ONLY. Only parameters exceeding regulatory criteria in at least one sample are shown.

SGS Dayton, NJ								Jul 08, 2022 15:37 pm
Job Numbers:	**JD46592-JD46674**	**(Aqueous)**						
Account:	**SESI Consulting Engineers**							
Project:	**33-39 Lawton Street, New Rochelle, NY**							
Project Number:	**12529**							
							Legend:	**Exceed**

Client Sample ID:		**SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]**	**TB-20220613**	**TW-1**	**TW-1**	**TW-2**	**TW-2**	**TB-20220614**
Lab Sample ID:			**JD46592-11**	**JD46674-9**	**JD46674-9A**	**JD46674-10**	**JD46674-10A**	**JD46674-11**
Date Sampled:			**6/13/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**
Matrix:			**Trip Blank Soil**	**Ground Water**	**Ground Water**	**Ground Water**	**Ground Water**	**Trip Blank Water**
MS Volatiles (SW846 8260D)								
1,1,1-Trichloroethane	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,1,2,2-Tetrachloroethane	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,1,2-Trichloroethane	ug/l	1	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,1-Dichloroethane	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,1-Dichloroethene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,2,3-Trichlorobenzene	ug/l	5	ND (1.0) [a]	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,2,4-Trichlorobenzene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,2-Dibromo-3-chloropropane	ug/l	0.04	ND (2.0)	ND (2.0)	-	ND (2.0)	-	ND (2.0)
1,2-Dibromoethane	ug/l	0.0006	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,2-Dichlorobenzene	ug/l	3	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,2-Dichloroethane	ug/l	0.6	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,2-Dichloropropane	ug/l	1	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,3-Dichlorobenzene	ug/l	3	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
1,4-Dichlorobenzene	ug/l	3	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
2-Butanone (MEK)	ug/l	50	ND (10) [a]	ND (10)	-	ND (10)	-	ND (10)
2-Hexanone	ug/l	50	ND (5.0)	ND (5.0)	-	ND (5.0)	-	ND (5.0)
4-Methyl-2-pentanone(MIBK)	ug/l	-	ND (5.0)	ND (5.0)	-	ND (5.0)	-	ND (5.0)
Acetone	ug/l	50	ND (10)	4.3 J [b]	-	ND (10) [a]	-	ND (10) [a]
Benzene	ug/l	1	ND (0.50)	ND (0.50)	-	ND (0.50)	-	ND (0.50)
Bromochloromethane	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Bromodichloromethane	ug/l	50	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Bromoform	ug/l	50	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Bromomethane	ug/l	5	ND (2.0) [a]	ND (2.0)	-	ND (2.0)	-	ND (2.0)

Job Numbers:	JD46592-JD46674	(Aqueous)						
Account:	SESI Consulting Engineers							
Project:	33-39 Lawton Street, New Rochelle, NY							
Project Number:	12529							
							Legend:	Exceed

Client Sample ID:		SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]	TB-20220613	TW-1	TW-1	TW-2	TW-2	TB-20220614
Lab Sample ID:			JD46592-11	JD46674-9	JD46674-9A	JD46674-10	JD46674-10A	JD46674-11
Date Sampled:			6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Matrix:			Trip Blank Soil	Ground Water	Ground Water	Ground Water	Ground Water	Trip Blank Water
Carbon disulfide	ug/l	60	ND (2.0)	ND (2.0)	-	ND (2.0)	-	ND (2.0)
Carbon tetrachloride	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Chlorobenzene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Chloroethane	ug/l	5	ND (1.0) [a]	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Chloroform	ug/l	7	ND (1.0) [a]	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Chloromethane	ug/l	5	ND (1.0) [a]	ND (1.0) [a]	-	ND (1.0) [a]	-	ND (1.0) [a]
cis-1,2-Dichloroethene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
cis-1,3-Dichloropropene	ug/l	-	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Cyclohexane	ug/l	-	ND (5.0)	ND (5.0)	-	ND (5.0)	-	ND (5.0)
Dibromochloromethane	ug/l	50	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Dichlorodifluoromethane	ug/l	5	ND (2.0)	ND (2.0)	-	ND (2.0)	-	ND (2.0)
Ethylbenzene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Freon 113	ug/l	5	ND (5.0)	ND (5.0)	-	ND (5.0)	-	ND (5.0)
Isopropylbenzene	ug/l	5	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)
Methyl Acetate	ug/l	-	ND (5.0)	ND (5.0) [a]	-	ND (5.0) [a]	-	ND (5.0) [a]
Methyl Tert Butyl Ether	ug/l	10	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Methylcyclohexane	ug/l	-	ND (5.0)	ND (5.0)	-	ND (5.0)	-	ND (5.0)
Methylene chloride	ug/l	5	ND (2.0)	ND (2.0)	-	ND (2.0)	-	ND (2.0)
o-Xylene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Styrene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Tetrachloroethene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Toluene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
trans-1,2-Dichloroethene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
trans-1,3-Dichloropropene	ug/l	-	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Trichloroethene	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Trichlorofluoromethane	ug/l	5	ND (2.0)	ND (2.0)	-	ND (2.0)	-	ND (2.0)

Job Numbers:	JD46592-JD46674	(Aqueous)						
Account:	SESI Consulting Engineers							
Project:	33-39 Lawton Street, New Rochelle, NY							
Project Number:	12529							
							Legend:	Exceed

Client Sample ID:		SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]	TB-20220613	TW-1	TW-1	TW-2	TW-2	TB-20220614
Lab Sample ID:			JD46592-11	JD46674-9	JD46674-9A	JD46674-10	JD46674-10A	JD46674-11
Date Sampled:			6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Matrix:			Trip Blank Soil	Ground Water	Ground Water	Ground Water	Ground Water	Trip Blank Water
Vinyl chloride	ug/l	2	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
Xylene (total)	ug/l	5	ND (1.0)	ND (1.0)	-	ND (1.0)	-	ND (1.0)
MS Volatile TIC								
Total TIC, Volatile	ug/l	-	0	0	-	0	-	0
MS Semi-volatiles (EPA 537M BY ID)								
6:2 Fluorotelomer sulfonate	ng/l	-	-	-	ND (8.0)	-	ND (8.0)	-
8:2 Fluorotelomer sulfonate	ng/l	-	-	-	ND (8.0)	-	ND (8.0)	-
EtFOSAA	ng/l	-	-	-	ND (4.0)	-	ND (4.0)	-
MeFOSAA	ng/l	-	-	-	ND (4.0)	-	ND (4.0)	-
Perfluorobutanesulfonic acid	ng/l	-	-	-	7	-	8.7	-
Perfluorobutanoic acid	ng/l	-	-	-	7.6	-	21.5	-
Perfluorodecanesulfonic acid	ng/l	-	-	-	ND (2.0)	-	ND (2.0)	-
Perfluorodecanoic acid	ng/l	-	-	-	ND (2.0)	-	6.9	-
Perfluorododecanoic acid	ng/l	-	-	-	ND (2.0)	-	ND (2.0)	-
Perfluoroheptanesulfonic acid	ng/l	-	-	-	ND (2.0)	-	ND (2.0)	-
Perfluoroheptanoic acid	ng/l	-	-	-	2.4	-	15.4	-
Perfluorohexanesulfonic acid	ng/l	-	-	-	ND (2.0)	-	2.6	-
Perfluorohexanoic acid	ng/l	-	-	-	3.1	-	24	-
Perfluorononanoic acid	ng/l	-	-	-	4.1	-	7.6	-
Perfluorooctanesulfonic acid	ng/l	-	-	-	24.2	-	37.2	-
Perfluorooctanoic acid	ng/l	-	-	-	5.4	-	37.2	-
Perfluoropentanoic acid	ng/l	-	-	-	6.6	-	46.5	-
Perfluorotetradecanoic acid	ng/l	-	-	-	ND (10)	-	ND (2.0)	-
Perfluorotridecanoic acid	ng/l	-	-	-	ND (2.0)	-	ND (2.0)	-

Job Numbers:	JD46592-JD46674	(Aqueous)						
Account:	SESI Consulting Engineers							
Project:	33-39 Lawton Street, New Rochelle, NY							
Project Number:	12529							
							Legend:	Exceed

Client Sample ID:		SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]	TB-20220613	TW-1	TW-1	TW-2	TW-2	TB-20220614
Lab Sample ID:			JD46592-11	JD46674-9	JD46674-9A	JD46674-10	JD46674-10A	JD46674-11
Date Sampled:			6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Matrix:			Trip Blank Soil	Ground Water	Ground Water	Ground Water	Ground Water	Trip Blank Water
Perfluoroundecanoic acid	ng/l	-	-	-	ND (2.0)	-	1.6 J	-
PFOSA	ng/l	-	-	-	ND (4.0)	-	ND (4.0)	-
MS Semi-volatiles (SW846 8270E)								
1,1'-Biphenyl	ug/l	5	-	ND (1.0)	-	ND (1.0)	-	-
1,2,4,5-Tetrachlorobenzene	ug/l	5	-	ND (2.0)	-	ND (2.0)	-	-
1,4-Dioxane	ug/l	-	-	ND (1.0)	-	ND (1.0)	-	-
2,2'-Oxybis(1-chloropropane)	ug/l	5	-	ND (2.0)	-	ND (2.0)	-	-
2,3,4,6-Tetrachlorophenol	ug/l	-	-	ND (5.0)	-	ND (5.0)	-	-
2,4,5-Trichlorophenol	ug/l	-	-	ND (5.0)	-	ND (5.0)	-	-
2,4,6-Trichlorophenol	ug/l	-	-	ND (5.0)	-	ND (5.0)	-	-
2,4-Dichlorophenol	ug/l	1	-	ND (2.0)	-	ND (2.0)	-	-
2,4-Dimethylphenol	ug/l	1	-	ND (5.0)	-	ND (5.0)	-	-
2,4-Dinitrophenol	ug/l	1	-	ND (5.0)	-	ND (5.0)	-	-
2,4-Dinitrotoluene	ug/l	5	-	ND (1.0)	-	ND (1.0)	-	-
2,6-Dinitrotoluene	ug/l	5	-	ND (1.0)	-	ND (1.0)	-	-
2-Chloronaphthalene	ug/l	-	-	ND (2.0)	-	ND (2.0)	-	-
2-Chlorophenol	ug/l	-	-	ND (5.0)	-	ND (5.0)	-	-
2-Methylnaphthalene	ug/l	-	-	ND (1.0)	-	ND (1.0)	-	-
2-Methylphenol	ug/l	-	-	ND (2.0)	-	ND (2.0)	-	-
2-Nitroaniline	ug/l	5	-	ND (5.0)	-	ND (5.0)	-	-
2-Nitrophenol	ug/l	-	-	ND (5.0)	-	ND (5.0)	-	-
3&4-Methylphenol	ug/l	-	-	ND (2.0)	-	ND (2.0)	-	-
3,3'-Dichlorobenzidine	ug/l	5	-	ND (2.0)	-	ND (2.0)	-	-
3-Nitroaniline	ug/l	5	-	ND (5.0)	-	ND (5.0)	-	-
4,6-Dinitro-o-cresol	ug/l	-	-	ND (5.0)	-	ND (5.0)	-	-
4-Bromophenyl phenyl ether	ug/l	-	-	ND (2.0)	-	ND (2.0)	-	-

Job Numbers:	JD46592-JD46674	(Aqueous)
Account:	SESI Consulting Engineers	
Project:	33-39 Lawton Street, New Rochelle, NY	
Project Number:	12529	

Legend: Exceed

Client Sample ID:		SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]	TB-20220613	TW-1	TW-1	TW-2	TW-2	TB-20220614
Lab Sample ID:			JD46592-11	JD46674-9	JD46674-9A	JD46674-10	JD46674-10A	JD46674-11
Date Sampled:			6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Matrix:			Trip Blank Soil	Ground Water	Ground Water	Ground Water	Ground Water	Trip Blank Water
4-Chloro-3-methyl phenol	ug/l	-	-	ND (5.0)	-	ND (5.0)	-	-
4-Chloroaniline	ug/l	5	-	ND (5.0)	-	ND (5.0)	-	-
4-Chlorophenyl phenyl ether	ug/l	-	-	ND (2.0)	-	ND (2.0)	-	-
4-Nitroaniline	ug/l	5	-	ND (5.0)	-	ND (5.0)	-	-
4-Nitrophenol	ug/l	-	-	ND (10)	-	ND (10)	-	-
Acenaphthene	ug/l	20	-	ND (1.0)	-	ND (1.0)	-	-
Acenaphthylene	ug/l	-	-	ND (1.0)	-	ND (1.0)	-	-
Acetophenone	ug/l	-	-	0.54 J	-	ND (2.0)	-	-
Anthracene	ug/l	50	-	ND (1.0)	-	ND (1.0)	-	-
Atrazine	ug/l	7.5	-	ND (2.0) [c]	-	ND (2.0) [c]	-	-
Benzaldehyde	ug/l	-	-	ND (5.0)	-	ND (5.0)	-	-
Benzo(a)anthracene	ug/l	0.002	-	ND (1.0)	-	ND (1.0)	-	-
Benzo(a)pyrene	ug/l	0	-	ND (1.0)	-	ND (1.0)	-	-
Benzo(b)fluoranthene	ug/l	0.002	-	ND (1.0)	-	ND (1.0)	-	-
Benzo(g,h,i)perylene	ug/l	-	-	ND (1.0)	-	ND (1.0)	-	-
Benzo(k)fluoranthene	ug/l	0.002	-	ND (1.0)	-	ND (1.0)	-	-
bis(2-Chloroethoxy)methane	ug/l	5	-	ND (2.0)	-	ND (2.0)	-	-
bis(2-Chloroethyl)ether	ug/l	1	-	ND (2.0)	-	ND (2.0)	-	-
bis(2-Ethylhexyl)phthalate	ug/l	5	-	ND (2.0)	-	ND (2.0)	-	-
Butyl benzyl phthalate	ug/l	50	-	ND (2.0)	-	ND (2.0)	-	-
Caprolactam	ug/l	-	-	ND (2.0)	-	ND (2.0)	-	-
Carbazole	ug/l	-	-	ND (1.0)	-	ND (1.0)	-	-
Chrysene	ug/l	0.002	-	ND (1.0)	-	ND (1.0)	-	-
Di-n-butyl phthalate	ug/l	50	-	ND (2.0)	-	ND (2.0)	-	-
Di-n-octyl phthalate	ug/l	50	-	ND (2.0)	-	ND (2.0)	-	-
Dibenzo(a,h)anthracene	ug/l	-	-	ND (1.0)	-	ND (1.0)	-	-
Dibenzofuran	ug/l	-	-	ND (5.0)	-	ND (5.0)	-	-
Diethyl phthalate	ug/l	50	-	ND (2.0)	-	ND (2.0)	-	-

Job Numbers:	JD46592-JD46674	(Aqueous)						
Account:	SESI Consulting Engineers							
Project:	33-39 Lawton Street, New Rochelle, NY							
Project Number:	12529							
							Legend:	Exceed

Client Sample ID:		SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]	TB-20220613	TW-1	TW-1	TW-2	TW-2	TB-20220614
Lab Sample ID:			JD46592-11	JD46674-9	JD46674-9A	JD46674-10	JD46674-10A	JD46674-11
Date Sampled:			6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Matrix:			Trip Blank Soil	Ground Water	Ground Water	Ground Water	Ground Water	Trip Blank Water
Dimethyl phthalate	ug/l	50	-	ND (2.0)	-	ND (2.0)	-	-
Fluoranthene	ug/l	50	-	ND (1.0)	-	ND (1.0)	-	-
Fluorene	ug/l	50	-	ND (1.0)	-	ND (1.0)	-	-
Hexachlorobenzene	ug/l	0.04	-	ND (1.0)	-	ND (1.0)	-	-
Hexachlorobutadiene	ug/l	0.5	-	ND (1.0)	-	ND (1.0)	-	-
Hexachlorocyclopentadiene	ug/l	5	-	ND (10)	-	ND (10)	-	-
Hexachloroethane	ug/l	5	-	ND (2.0)	-	ND (2.0)	-	-
Indeno(1,2,3-cd)pyrene	ug/l	0.002	-	ND (1.0)	-	ND (1.0)	-	-
Isophorone	ug/l	50	-	ND (2.0)	-	ND (2.0)	-	-
N-Nitroso-di-n-propylamine	ug/l	-	-	ND (2.0)	-	ND (2.0)	-	-
N-Nitrosodiphenylamine	ug/l	50	-	ND (5.0)	-	ND (5.0)	-	-
Naphthalene	ug/l	10	-	ND (1.0)	-	ND (1.0)	-	-
Nitrobenzene	ug/l	0.4	-	ND (2.0)	-	ND (2.0)	-	-
Pentachlorophenol	ug/l	1	-	ND (4.0)	-	ND (4.0)	-	-
Phenanthrene	ug/l	50	-	ND (1.0)	-	ND (1.0)	-	-
Phenol	ug/l	1	-	ND (2.0)	-	ND (2.0)	-	-
Pyrene	ug/l	50	-	ND (1.0)	-	ND (1.0)	-	-
MS Semi-volatiles (SW846 8270E BY SIM)								
1,4-Dioxane	ug/l	-	-	ND (0.10)	-	ND (0.10)	-	-
MS Semi-volatile TIC								
Total TIC, Semi-Volatile	ug/l	-	-	27.6 J	-	0	-	-

Job Numbers:	JD46592-JD46674	(Aqueous)						
Account:	SESI Consulting Engineers							
Project:	33-39 Lawton Street, New Rochelle, NY							
Project Number:	12529							
							Legend:	Exceed

Client Sample ID:		SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]	TB-20220613	TW-1	TW-1	TW-2	TW-2	TB-20220614
Lab Sample ID:			JD46592-11	JD46674-9	JD46674-9A	JD46674-10	JD46674-10A	JD46674-11
Date Sampled:			6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Matrix:			Trip Blank Soil	Ground Water	Ground Water	Ground Water	Ground Water	Trip Blank Water
GC/LC Semi-volatiles (SW846 8081B)								
4,4'-DDD	ug/l	0.3	-	ND (0.0049)	-	ND (0.0049)	-	-
4,4'-DDE	ug/l	0.2	-	ND (0.0049)	-	ND (0.0049)	-	-
4,4'-DDT	ug/l	0.2	-	ND (0.0049)	-	0.017 B	-	-
Aldrin	ug/l	0	-	ND (0.0049)	-	ND (0.0049)	-	-
alpha-BHC	ug/l	0.01	-	ND (0.0049)	-	ND (0.0049)	-	-
alpha-Chlordane	ug/l	-	-	ND (0.0049)	-	ND (0.0049)	-	-
beta-BHC	ug/l	0.04	-	ND (0.0049)	-	ND (0.0049)	-	-
delta-BHC	ug/l	0.04	-	ND (0.0049)	-	ND (0.0049)	-	-
Dieldrin	ug/l	0.004	-	ND (0.0049)	-	ND (0.0049)	-	-
Endosulfan sulfate	ug/l	-	-	ND (0.0049)	-	ND (0.0049)	-	-
Endosulfan-I	ug/l	-	-	ND (0.0049)	-	ND (0.0049)	-	-
Endosulfan-II	ug/l	-	-	ND (0.0049)	-	ND (0.0049)	-	-
Endrin	ug/l	0	-	ND (0.0049)	-	ND (0.0049)	-	-
Endrin aldehyde	ug/l	5	-	ND (0.0049)	-	ND (0.0049)	-	-
Endrin ketone	ug/l	5	-	ND (0.0049)	-	ND (0.0049)	-	-
gamma-BHC (Lindane)	ug/l	0.05	-	ND (0.0049)	-	ND (0.0049)	-	-
gamma-Chlordane	ug/l	-	-	ND (0.0049)	-	ND (0.0049)	-	-
Heptachlor	ug/l	0.04	-	ND (0.0049)	-	ND (0.0049)	-	-
Heptachlor epoxide	ug/l	0.03	-	ND (0.0049)	-	ND (0.0049)	-	-
Methoxychlor	ug/l	35	-	ND (0.0098)	-	ND (0.0098)	-	-
Toxaphene	ug/l	0.06	-	ND (0.12)	-	ND (0.12)	-	-
GC/LC Semi-volatiles (SW846 8082A)								
Aroclor 1016	ug/l	0.09	-	ND (0.25)	-	ND (0.25)	-	-
Aroclor 1221	ug/l	0.09	-	ND (0.25)	-	ND (0.25)	-	-
Aroclor 1232	ug/l	0.09	-	ND (0.25)	-	ND (0.25)	-	-

Job Numbers:	JD46592-JD46674	(Aqueous)						
Account:	SESI Consulting Engineers							
Project:	33-39 Lawton Street, New Rochelle, NY							
Project Number:	12529							
							Legend:	Exceed

Client Sample ID:		SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]	TB-20220613	TW-1	TW-1	TW-2	TW-2	TB-20220614
Lab Sample ID:			JD46592-11	JD46674-9	JD46674-9A	JD46674-10	JD46674-10A	JD46674-11
Date Sampled:			6/13/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022	6/14/2022
Matrix:			Trip Blank Soil	Ground Water	Ground Water	Ground Water	Ground Water	Trip Blank Water
Aroclor 1242	ug/l	0.09	-	ND (0.25)	-	ND (0.25)	-	-
Aroclor 1248	ug/l	0.09	-	ND (0.25)	-	ND (0.25)	-	-
Aroclor 1254	ug/l	0.09	-	ND (0.25)	-	ND (0.25)	-	-
Aroclor 1260	ug/l	0.09	-	ND (0.25)	-	ND (0.25)	-	-
Aroclor 1262	ug/l	0.09	-	ND (0.25)	-	ND (0.25)	-	-
Aroclor 1268	ug/l	0.09	-	ND (0.25)	-	ND (0.25)	-	-
Metals Analysis								
Aluminum	ug/l	-	-	262	-	ND (200)	-	-
Antimony	ug/l	3	-	ND (6.0)	-	ND (6.0)	-	-
Arsenic	ug/l	25	-	ND (3.0)	-	ND (3.0)	-	-
Barium	ug/l	1000	-	ND (200)	-	ND (200)	-	-
Beryllium	ug/l	-	-	ND (1.0)	-	ND (1.0)	-	-
Cadmium	ug/l	5	-	ND (3.0)	-	ND (3.0)	-	-
Calcium	ug/l	-	-	172000	-	120000	-	-
Chromium	ug/l	50	-	ND (10)	-	13	-	-
Cobalt	ug/l	-	-	ND (50)	-	ND (50)	-	-
Copper	ug/l	200	-	ND (10)	-	ND (10)	-	-
Iron	ug/l	300	-	**694**	-	102	-	-
Lead	ug/l	25	-	ND (3.0)	-	ND (3.0)	-	-
Magnesium	ug/l	-	-	34900	-	21800	-	-
Manganese	ug/l	300	-	**701**	-	ND (15)	-	-
Mercury	ug/l	0.7	-	ND (0.20)	-	ND (0.20)	-	-
Nickel	ug/l	100	-	11.6	-	ND (10)	-	-
Potassium	ug/l	-	-	16100	-	22100	-	-
Selenium	ug/l	10	-	ND (10)	-	ND (10)	-	-
Silver	ug/l	50	-	ND (10)	-	ND (10)	-	-
Sodium	ug/l	20000	-	**788000**	-	**565000**	-	-

Job Numbers:	**JD46592-JD46674**	**(Aqueous)**						
Account:	**SESI Consulting Engineers**							
Project:	**33-39 Lawton Street, New Rochelle, NY**							
Project Number:	**12529**							
						Legend:	**Exceed**	
Client Sample ID:		**SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]**	**TB-20220613**	**TW-1**	**TW-1**	**TW-2**	**TW-2**	**TB-20220614**
Lab Sample ID:			**JD46592-11**	**JD46674-9**	**JD46674-9A**	**JD46674-10**	**JD46674-10A**	**JD46674-11**
Date Sampled:			**6/13/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**
Matrix:			**Trip Blank Soil**	**Ground Water**	**Ground Water**	**Ground Water**	**Ground Water**	**Trip Blank Water**
Thallium	ug/l	-	-	ND (10)	-	ND (10)	-	-
Vanadium	ug/l	-	-	ND (50)	-	ND (50)	-	-
Zinc	ug/l	-	-	103	-	ND (20)	-	-
General Chemistry								
Cyanide	ug/l	200	-	25	-	ND (10)	-	-
Footnotes:								
[a] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.								
[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.								
[c] Associated CCV outside of control limits high, sample was ND.								
Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. SGS assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.								
4 results exceeded regulatory criteria.								
[1] NOTE: The above contain the following criteria that must be evaluated manually by the user: **Sum of Aldicarb and Methomyl at 0.35 ug/l.** **Sum of Iron and Manganese at 500 ug/l.** **Sum of Parathion and Methyl parathion at 1.5 ug/l.** **Sum of Phenolic compounds (total phenols) at 1 ug/l.** **Sum of Phenols, total chlorinated at 1 ug/l.** **Sum of Phenols, total unchlorinated at 1 ug/l.** **Principal organic contaminant at 5 ug/l defined as "any and every individual substance, whether listed in this Table or not, that is in one of the principal organic contaminant classes as defined in section 700.1 of this Title" unless listed elsewhere in this table.**								

SGS Dayton, NJ								Jul 08, 2022 15:37 pm
Job Numbers:	**JD46592-JD46674**	**(Aqueous)**						
Account:	**SESI Consulting Engineers**							
Project:	**33-39 Lawton Street, New Rochelle, NY**							
Project Number:	**12529**							
							Legend:	**Exceed**

Client Sample ID:		**SESI-NY TOGS Class GA+GV GW Standards (NYSDEC 6/2004)[1]**	**TB-20220613**	**TW-1**	**TW-1**	**TW-2**	**TW-2**	**TB-20220614**
Lab Sample ID:			**JD46592-11**	**JD46674-9**	**JD46674-9A**	**JD46674-10**	**JD46674-10A**	**JD46674-11**
Date Sampled:			**6/13/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**	**6/14/2022**
Matrix:			**Trip Blank Soil**	**Ground Water**	**Ground Water**	**Ground Water**	**Ground Water**	**Trip Blank Water**
Metals Analysis								
Iron	ug/l	300	-	**694**	-	102	-	-
Manganese	ug/l	300	-	**701**	-	ND (15)	-	-
Sodium	ug/l	20000	-	**788000**	-	**565000**	-	-

Footnotes:

[a] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

[b] Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte.

[c] Associated CCV outside of control limits high, sample was ND.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. SGS assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

4 results exceeded regulatory criteria.

[1] NOTE: The above contain the following criteria that must be evaluated manually by the user:
Sum of Aldicarb and Methomyl at 0.35 ug/l.
Sum of Iron and Manganese at 500 ug/l.
Sum of Parathion and Methyl parathion at 1.5 ug/l.
Sum of Phenolic compounds (total phenols) at 1 ug/l.
Sum of Phenols, total chlorinated at 1 ug/l.
Sum of Phenols, total unchlorinated at 1 ug/l.
Principal organic contaminant at 5 ug/l defined as "any and every individual substance, whether listed in this Table or not, that is in one of the principal organic contaminant classes as defined in section 700.1 of this Title" unless listed elsewhere in this table.

Exceedances ONLY. Only parameters exceeding regulatory criteria in at least one sample are shown.

SGS Dayton, NJ									Jul 08, 2022 15:35 pm
Job Numbers:	**JD46592-JD46674**	**(Air)**							
Account:	**SESI Consulting Engineers**								
Project:	**33-39 Lawton Street, New Rochelle, NY**								
Project Number:	**12529**								
								Legend:	Hit

Client Sample ID:		**NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**SV-1**	**SV-2**	**SV-3**	**AA-1**
Lab Sample ID:						**JD46624-1**	**JD46624-2**	**JD46624-3**	**JD46624-4**
Date Sampled:						**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**
Matrix:						**Soil Vapor Comp.**	**Soil Vapor Comp.**	**Soil Vapor Comp.**	**Ambient Air Comp.**
MS Volatiles (TO-15)									
1,1,1-Trichloroethane	ppbv	-	-	-	-	ND (0.50)	ND (0.40)	ND (0.40)	ND (0.080)
1,1,2,2-Tetrachloroethane	ppbv	-	-	-	-	ND (0.50)	ND (0.40)	ND (0.40)	ND (0.080)
1,1,2-Trichloroethane	ppbv	-	-	-	-	ND (0.50)	ND (0.40)	ND (0.40)	ND (0.080)
1,1-Dichloroethane	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
1,1-Dichloroethylene	ppbv	-	-	-	-	ND (0.20)	ND (0.16)	ND (0.16)	ND (0.032)
1,2,4-Trichlorobenzene	ppbv	-	-	-	-	ND (0.50) [a]	ND (0.40) [a]	ND (0.40) [a]	ND (0.080) [a]
1,2,4-Trimethylbenzene	ppbv	-	-	-	-	4.5	1.9	0.66 J	ND (0.16)
1,2-Dibromoethane (EDB)	ppbv	-	-	-	-	ND (0.50)	ND (0.40)	ND (0.40)	ND (0.080)
1,2-Dichloroethane	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
1,2-Dichloropropane	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
1,3,5-Trimethylbenzene	ppbv	-	-	-	-	1.5	0.74 J	ND (0.80)	ND (0.16)
1,3-Butadiene	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
1,4-Dioxane	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
2,2,4-Trimethylpentane	ppbv	-	-	-	-	1.3	0.95	1.6	ND (0.16)
2-Chlorotoluene	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
2-Hexanone	ppbv	-	-	-	-	2.7	4.1	1.1	ND (0.16)
3-Chloropropene	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
4-Ethyltoluene	ppbv	-	-	-	-	0.94 J	0.47 J	ND (0.80)	ND (0.16)
Acetone (2-Propanone)	ppbv	-	-	-	-	49.7	149	118	5.7
Benzene	ppbv	-	-	-	-	9	5	1.7	0.15 J
Benzyl Chloride	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Bromodichloromethane	ppbv	-	-	-	-	ND (0.50)	ND (0.40)	ND (0.40)	ND (0.080)
Bromoethene	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Bromoform	ppbv	-	-	-	-	ND (0.20)	ND (0.16)	ND (0.16)	ND (0.032)
Bromomethane	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Carbon disulfide	ppbv	-	-	-	-	16.9	7.2	12.1	ND (0.16)
Carbon tetrachloride	ppbv	-	-	-	-	ND (0.20)	ND (0.16)	ND (0.16)	ND (0.032)
Chlorobenzene	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Chloroethane	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Chloroform	ppbv	-	-	-	-	ND (1.0)	0.53 J	0.72 J	ND (0.16)
Chloromethane	ppbv	-	-	-	-	1	ND (0.80)	0.51 J	0.58
cis-1,2-Dichloroethylene	ppbv	-	-	-	-	ND (0.20)	ND (0.16)	ND (0.16)	ND (0.032)
cis-1,3-Dichloropropene	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Cyclohexane	ppbv	-	-	-	-	5.7	3.7	1.5	ND (0.16)
Dibromochloromethane	ppbv	-	-	-	-	ND (0.50)	ND (0.40)	ND (0.40)	ND (0.080)
Dichlorodifluoromethane	ppbv	-	-	-	-	1.4	0.49 J	0.39 J	0.34
Ethanol	ppbv	-	-	-	-	7.8	11.9	23	4.8
Ethyl Acetate	ppbv	-	-	-	-	1.2	1.6	1.2	1.3

Job Numbers:	JD46592-JD46674	(Air)							
Account:	SESI Consulting Engineers								
Project:	33-39 Lawton Street, New Rochelle, NY								
Project Number:	12529								
								Legend:	Hit

Client Sample ID:		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SV-1	SV-2	SV-3	AA-1
Lab Sample ID:						JD46624-1	JD46624-2	JD46624-3	JD46624-4
Date Sampled:						6/13/2022	6/13/2022	6/13/2022	6/13/2022
Matrix:						Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Ambient Air Comp.
Ethylbenzene	ppbv	-	-	-	-	57.6	50	1.2	0.098 J
Freon 113	ppbv	-	-	-	-	ND (0.50)	ND (0.40)	ND (0.40)	ND (0.080)
Freon 114	ppbv	-	-	-	-	ND (0.50)	ND (0.40)	ND (0.40)	ND (0.080)
Heptane	ppbv	-	-	-	-	2.9	3.4	2	ND (0.16)
Hexachlorobutadiene	ppbv	-	-	-	-	ND (0.45) [a]	ND (0.36) [a]	ND (0.36) [a]	ND (0.072) [a]
Hexane	ppbv	-	-	-	-	14.9	14.1	2.9	0.18
Isopropyl Alcohol	ppbv	-	-	-	-	1.6	3	4.2	0.73
m,p-Xylene	ppbv	-	-	-	-	327	259	5.4	0.37
m-Dichlorobenzene	ppbv	-	-	-	-	ND (0.50) [a]	ND (0.40) [a]	ND (0.40) [a]	ND (0.080) [a]
Methyl ethyl ketone	ppbv	-	-	-	-	4.9	14.3	6.8	0.47
Methyl Isobutyl Ketone	ppbv	-	-	-	-	2.8	3.6	0.49 J	0.14 J
Methyl Tert Butyl Ether	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Methylene chloride	ppbv	-	-	-	-	1.8	1.3	1	0.97
Methylmethacrylate	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
o-Dichlorobenzene	ppbv	-	-	-	-	ND (0.20) [a]	ND (0.16) [a]	ND (0.16) [a]	ND (0.032) [a]
o-Xylene	ppbv	-	-	-	-	197	145	2.3	0.14 J
p-Dichlorobenzene	ppbv	-	-	-	-	ND (0.50)	ND (0.40)	ND (0.40)	ND (0.080)
Propylene	ppbv	-	-	-	-	144	27.1	47.8	ND (0.40)
Styrene	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Tertiary Butyl Alcohol	ppbv	-	-	-	-	7.3	8.3	46.7	0.093 J
Tetrachloroethylene	ppbv	-	-	-	-	0.31	0.35	0.45	0.065
Tetrahydrofuran	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Toluene	ppbv	-	-	-	-	184	194	15.2	0.33
trans-1,2-Dichloroethylene	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
trans-1,3-Dichloropropene	ppbv	-	-	-	-	ND (1.0)	ND (0.80)	ND (0.80)	ND (0.16)
Trichloroethylene	ppbv	-	-	-	-	ND (0.20)	ND (0.16)	0.63	ND (0.032)
Trichlorofluoromethane	ppbv	-	-	-	-	0.56	ND (0.40)	ND (0.40)	0.24
Vinyl Acetate	ppbv	-	-	-	-	ND (1.0)	2.8	2.2	0.26
Vinyl chloride	ppbv	-	-	-	-	0.9	ND (0.16)	ND (0.16)	ND (0.032)
Xylenes (total)	ppbv	-	-	-	-	524	404	7.7	0.51
MS Volatiles (TO-15) - ug/m3									
1,1,1-Trichloroethane	ug/m3	-	-	-	-	ND (2.7)	ND (2.2)	ND (2.2)	ND (0.44)
1,1,2,2-Tetrachloroethane	ug/m3	-	-	-	-	ND (3.4)	ND (2.7)	ND (2.7)	ND (0.55)
1,1,2-Trichloroethane	ug/m3	-	-	-	-	ND (2.7)	ND (2.2)	ND (2.2)	ND (0.44)
1,1-Dichloroethane	ug/m3	-	-	-	-	ND (4.0)	ND (3.2)	ND (3.2)	ND (0.65)
1,1-Dichloroethylene	ug/m3	-	-	-	-	ND (0.79)	ND (0.63)	ND (0.63)	ND (0.13)
1,2,4-Trichlorobenzene	ug/m3	-	-	-	-	ND (3.7) [a]	ND (3.0) [a]	ND (3.0) [a]	ND (0.59) [a]
1,2,4-Trimethylbenzene	ug/m3	-	-	-	-	22	9.3	3.2 J	ND (0.79)
1,2-Dibromoethane (EDB)	ug/m3	-	-	-	-	ND (3.8)	ND (3.1)	ND (3.1)	ND (0.61)
1,2-Dichloroethane	ug/m3	-	-	-	-	ND (4.0)	ND (3.2)	ND (3.2)	ND (0.65)

Job Numbers:	JD46592-JD46674	(Air)							
Account:	SESI Consulting Engineers								
Project:	33-39 Lawton Street, New Rochelle, NY								
Project Number:	12529								
								Legend:	Hit

Client Sample ID:		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SV-1	SV-2	SV-3	AA-1
Lab Sample ID:						JD46624-1	JD46624-2	JD46624-3	JD46624-4
Date Sampled:						6/13/2022	6/13/2022	6/13/2022	6/13/2022
Matrix:						Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Ambient Air Comp.
1,2-Dichloropropane	ug/m3	-	-	-	-	ND (4.6)	ND (3.7)	ND (3.7)	ND (0.74)
1,3,5-Trimethylbenzene	ug/m3	-	-	-	-	7.4	3.6 J	ND (3.9)	ND (0.79)
1,3-Butadiene	ug/m3	-	-	-	-	ND (2.2)	ND (1.8)	ND (1.8)	ND (0.35)
1,4-Dioxane	ug/m3	-	-	-	-	ND (3.6)	ND (2.9)	ND (2.9)	ND (0.58)
2,2,4-Trimethylpentane	ug/m3	-	-	-	-	6.1	4.4	7.5	ND (0.75)
2-Chlorotoluene	ug/m3	-	-	-	-	ND (5.2)	ND (4.1)	ND (4.1)	ND (0.83)
2-Hexanone	ug/m3	-	-	-	-	11	17	4.5	ND (0.65)
3-Chloropropene	ug/m3	-	-	-	-	ND (3.1)	ND (2.5)	ND (2.5)	ND (0.50)
4-Ethyltoluene	ug/m3	-	-	-	-	4.6 J	2.3 J	ND (3.9)	ND (0.79)
Acetone (2-Propanone)	ug/m3	-	-	-	-	118	354	280	14
Benzene	ug/m3	-	-	-	-	29	16	5.4	0.48 J
Benzyl Chloride	ug/m3	-	-	-	-	ND (5.2)	ND (4.1)	ND (4.1)	ND (0.82)
Bromodichloromethane	ug/m3	-	-	-	-	ND (3.3)	ND (2.7)	ND (2.7)	ND (0.54)
Bromoethene	ug/m3	-	-	-	-	ND (4.4)	ND (3.5)	ND (3.5)	ND (0.70)
Bromoform	ug/m3	-	-	-	-	ND (2.1)	ND (1.7)	ND (1.7)	ND (0.33)
Bromomethane	ug/m3	-	-	-	-	ND (3.9)	ND (3.1)	ND (3.1)	ND (0.62)
Carbon disulfide	ug/m3	-	-	-	-	52.6	22	37.7	ND (0.50)
Carbon tetrachloride	ug/m3	-	-	-	-	ND (1.3)	ND (1.0)	ND (1.0)	ND (0.20)
Chlorobenzene	ug/m3	-	-	-	-	ND (4.6)	ND (3.7)	ND (3.7)	ND (0.74)
Chloroethane	ug/m3	-	-	-	-	ND (2.6)	ND (2.1)	ND (2.1)	ND (0.42)
Chloroform	ug/m3	-	-	-	-	ND (4.9)	2.6 J	3.5 J	ND (0.78)
Chloromethane	ug/m3	-	-	-	-	2.1	ND (1.7)	1.1 J	1.2
cis-1,2-Dichloroethylene	ug/m3	-	-	-	-	ND (0.79)	ND (0.63)	ND (0.63)	ND (0.13)
cis-1,3-Dichloropropene	ug/m3	-	-	-	-	ND (4.5)	ND (3.6)	ND (3.6)	ND (0.73)
Cyclohexane	ug/m3	-	-	-	-	20	13	5.2	ND (0.55)
Dibromochloromethane	ug/m3	-	-	-	-	ND (4.3)	ND (3.4)	ND (3.4)	ND (0.68)
Dichlorodifluoromethane	ug/m3	-	-	-	-	6.9	2.4 J	1.9 J	1.7
Ethanol	ug/m3	-	-	-	-	15	22.4	43.3	9
Ethyl Acetate	ug/m3	-	-	-	-	4.3	5.8	4.3	4.7
Ethylbenzene	ug/m3	-	-	-	-	250	217	5.2	0.43 J
Freon 113	ug/m3	-	-	-	-	ND (3.8)	ND (3.1)	ND (3.1)	ND (0.61)
Freon 114	ug/m3	-	-	-	-	ND (3.5)	ND (2.8)	ND (2.8)	ND (0.56)
Heptane	ug/m3	-	-	-	-	12	14	8.2	ND (0.66)
Hexachlorobutadiene	ug/m3	-	-	-	-	ND (4.8) [a]	ND (3.8) [a]	ND (3.8) [a]	ND (0.77) [a]
Hexane	ug/m3	-	-	-	-	52.5	49.7	10	0.63
Isopropyl Alcohol	ug/m3	-	-	-	-	3.9	7.4	10	1.8
m,p-Xylene	ug/m3	-	-	-	-	1420	1120	23	1.6
m-Dichlorobenzene	ug/m3	-	-	-	-	ND (3.0) [a]	ND (2.4) [a]	ND (2.4) [a]	ND (0.48) [a]
Methyl ethyl ketone	ug/m3	-	-	-	-	14	42.2	20	1.4
Methyl Isobutyl Ketone	ug/m3	-	-	-	-	11	15	2.0 J	0.57 J
Methyl Tert Butyl Ether	ug/m3	-	-	-	-	ND (3.6)	ND (2.9)	ND (2.9)	ND (0.58)
Methylene chloride	ug/m3	-	-	-	-	6.3	4.5	3.5	3.4

Job Numbers:	JD46592-JD46674	(Air)							
Account:	SESI Consulting Engineers								
Project:	33-39 Lawton Street, New Rochelle, NY								
Project Number:	12529								
								Legend:	Hit

Client Sample ID:		NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)	SV-1	SV-2	SV-3	AA-1
Lab Sample ID:						JD46624-1	JD46624-2	JD46624-3	JD46624-4
Date Sampled:						6/13/2022	6/13/2022	6/13/2022	6/13/2022
Matrix:						Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Ambient Air Comp.
Methylmethacrylate	ug/m3	-	-	-	-	ND (4.1)	ND (3.3)	ND (3.3)	ND (0.66)
o-Dichlorobenzene	ug/m3	-	-	-	-	ND (1.2) [a]	ND (0.96) [a]	ND (0.96) [a]	ND (0.19) [a]
o-Xylene	ug/m3	-	-	-	-	856	630	10	0.61 J
p-Dichlorobenzene	ug/m3	-	-	-	-	ND (3.0)	ND (2.4)	ND (2.4)	ND (0.48)
Propylene	ug/m3	-	-	-	-	247	46.6	82.1	ND (0.69)
Styrene	ug/m3	-	-	-	-	ND (4.3)	ND (3.4)	ND (3.4)	ND (0.68)
Tertiary Butyl Alcohol	ug/m3	-	-	-	-	22	25	142	0.28 J
Tetrachloroethylene	ug/m3	-	-	-	-	2.1	2.4	3.1	0.44
Tetrahydrofuran	ug/m3	-	-	-	-	ND (2.9)	ND (2.4)	ND (2.4)	ND (0.47)
Toluene	ug/m3	-	-	-	-	693	731	57.3	1.2
trans-1,2-Dichloroethylene	ug/m3	-	-	-	-	ND (4.0)	ND (3.2)	ND (3.2)	ND (0.63)
trans-1,3-Dichloropropene	ug/m3	-	-	-	-	ND (4.5)	ND (3.6)	ND (3.6)	ND (0.73)
Trichloroethylene	ug/m3	-	-	-	-	ND (1.1)	ND (0.86)	3.4	ND (0.17)
Trichlorofluoromethane	ug/m3	-	-	-	-	3.1	ND (2.2)	ND (2.2)	1.3
Vinyl Acetate	ug/m3	-	-	-	-	ND (3.5)	9.8	7.7	0.91
Vinyl chloride	ug/m3	-	-	-	-	2.3	ND (0.41)	ND (0.41)	ND (0.082)
Xylenes (total)	ug/m3	-	-	-	-	2280	1750	33	2.2

Footnotes:

[a] Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

SGS Dayton, NJ									Jul 08, 2022 15:35 pm
Job Numbers:	**JD46592-JD46674**	**(Air)**							
Account:	**SESI Consulting Engineers**								
Project:	**33-39 Lawton Street, New Rochelle, NY**								
Project Number:	**12529**								
								Legend:	Hit

Client Sample ID:		**NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**SV-1**	**SV-2**	**SV-3**	**AA-1**
Lab Sample ID:						**JD46624-1**	**JD46624-2**	**JD46624-3**	**JD46624-4**
Date Sampled:						**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**
Matrix:						**Soil Vapor Comp.**	**Soil Vapor Comp.**	**Soil Vapor Comp.**	**Ambient Air Comp.**
MS Volatiles (TO-15)									
1,2,4-Trimethylbenzene	ppbv	-	-	-	-	4.5	1.9	0.66 J	ND (0.16)
1,3,5-Trimethylbenzene	ppbv	-	-	-	-	1.5	0.74 J	ND (0.80)	ND (0.16)
2,2,4-Trimethylpentane	ppbv	-	-	-	-	1.3	0.95	1.6	ND (0.16)
2-Hexanone	ppbv	-	-	-	-	2.7	4.1	1.1	ND (0.16)
4-Ethyltoluene	ppbv	-	-	-	-	0.94 J	0.47 J	ND (0.80)	ND (0.16)
Acetone (2-Propanone)	ppbv	-	-	-	-	49.7	149	118	5.7
Benzene	ppbv	-	-	-	-	9	5	1.7	0.15 J
Carbon disulfide	ppbv	-	-	-	-	16.9	7.2	12.1	ND (0.16)
Chloroform	ppbv	-	-	-	-	ND (1.0)	0.53 J	0.72 J	ND (0.16)
Chloromethane	ppbv	-	-	-	-	1	ND (0.80)	0.51 J	0.58
Cyclohexane	ppbv	-	-	-	-	5.7	3.7	1.5	ND (0.16)
Dichlorodifluoromethane	ppbv	-	-	-	-	1.4	0.49 J	0.39 J	0.34
Ethanol	ppbv	-	-	-	-	7.8	11.9	23	4.8
Ethyl Acetate	ppbv	-	-	-	-	1.2	1.6	1.2	1.3
Ethylbenzene	ppbv	-	-	-	-	57.6	50	1.2	0.098 J
Heptane	ppbv	-	-	-	-	2.9	3.4	2	ND (0.16)
Hexane	ppbv	-	-	-	-	14.9	14.1	2.9	0.18
Isopropyl Alcohol	ppbv	-	-	-	-	1.6	3	4.2	0.73
m,p-Xylene	ppbv	-	-	-	-	327	259	5.4	0.37
Methyl ethyl ketone	ppbv	-	-	-	-	4.9	14.3	6.8	0.47
Methyl Isobutyl Ketone	ppbv	-	-	-	-	2.8	3.6	0.49 J	0.14 J
Methylene chloride	ppbv	-	-	-	-	1.8	1.3	1	0.97
o-Xylene	ppbv	-	-	-	-	197	145	2.3	0.14 J
Propylene	ppbv	-	-	-	-	144	27.1	47.8	ND (0.40)
Tertiary Butyl Alcohol	ppbv	-	-	-	-	7.3	8.3	46.7	0.093 J

Job Numbers:	**JD46592-JD46674**	**(Air)**							
Account:	**SESI Consulting Engineers**								
Project:	**33-39 Lawton Street, New Rochelle, NY**								
Project Number:	**12529**								
								Legend:	Hit
Client Sample ID:		**NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**SV-1**	**SV-2**	**SV-3**	**AA-1**
Lab Sample ID:						**JD46624-1**	**JD46624-2**	**JD46624-3**	**JD46624-4**
Date Sampled:						**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**
Matrix:						**Soil Vapor Comp.**	**Soil Vapor Comp.**	**Soil Vapor Comp.**	**Ambient Air Comp.**
Tetrachloroethylene	ppbv	-	-	-	-	0.31	0.35	0.45	0.065
Toluene	ppbv	-	-	-	-	184	194	15.2	0.33
Trichloroethylene	ppbv	-	-	-	-	ND (0.20)	ND (0.16)	0.63	ND (0.032)
Trichlorofluoromethane	ppbv	-	-	-	-	0.56	ND (0.40)	ND (0.40)	0.24
Vinyl Acetate	ppbv	-	-	-	-	ND (1.0)	2.8	2.2	0.26
Vinyl chloride	ppbv	-	-	-	-	0.9	ND (0.16)	ND (0.16)	ND (0.032)
Xylenes (total)	ppbv	-	-	-	-	524	404	7.7	0.51
MS Volatiles (TO-15) - ug/m3									
1,2,4-Trimethylbenzene	ug/m3	-	-	-	-	22	9.3	3.2 J	ND (0.79)
1,3,5-Trimethylbenzene	ug/m3	-	-	-	-	7.4	3.6 J	ND (3.9)	ND (0.79)
2,2,4-Trimethylpentane	ug/m3	-	-	-	-	6.1	4.4	7.5	ND (0.75)
2-Hexanone	ug/m3	-	-	-	-	11	17	4.5	ND (0.65)
4-Ethyltoluene	ug/m3	-	-	-	-	4.6 J	2.3 J	ND (3.9)	ND (0.79)
Acetone (2-Propanone)	ug/m3	-	-	-	-	118	354	280	14
Benzene	ug/m3	-	-	-	-	29	16	5.4	0.48 J
Carbon disulfide	ug/m3	-	-	-	-	52.6	22	37.7	ND (0.50)
Chloroform	ug/m3	-	-	-	-	ND (4.9)	2.6 J	3.5 J	ND (0.78)
Chloromethane	ug/m3	-	-	-	-	2.1	ND (1.7)	1.1 J	1.2
Cyclohexane	ug/m3	-	-	-	-	20	13	5.2	ND (0.55)
Dichlorodifluoromethane	ug/m3	-	-	-	-	6.9	2.4 J	1.9 J	1.7
Ethanol	ug/m3	-	-	-	-	15	22.4	43.3	9
Ethyl Acetate	ug/m3	-	-	-	-	4.3	5.8	4.3	4.7
Ethylbenzene	ug/m3	-	-	-	-	250	217	5.2	0.43 J
Heptane	ug/m3	-	-	-	-	12	14	8.2	ND (0.66)
Hexane	ug/m3	-	-	-	-	52.5	49.7	10	0.63
Isopropyl Alcohol	ug/m3	-	-	-	-	3.9	7.4	10	1.8
m,p-Xylene	ug/m3	-	-	-	-	1420	1120	23	1.6

Job Numbers:	**JD46592-JD46674**	**(Air)**							
Account:	**SESI Consulting Engineers**								
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Project Number:	**12529**								
								Legend:	Hit
Client Sample ID:		**NY SCO - Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Restricted Residential w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Commercial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**NY SCO - Industrial w/CP-51 (10/10) (6 NYCRR 375-6 12/06)**	**SV-1**	**SV-2**	**SV-3**	**AA-1**
Lab Sample ID:						**JD46624-1**	**JD46624-2**	**JD46624-3**	**JD46624-4**
Date Sampled:						**6/13/2022**	**6/13/2022**	**6/13/2022**	**6/13/2022**
Matrix:						**Soil Vapor Comp.**	**Soil Vapor Comp.**	**Soil Vapor Comp.**	**Ambient Air Comp.**
Methyl ethyl ketone	ug/m3	-	-	-	-	14	42.2	20	1.4
Methyl Isobutyl Ketone	ug/m3	-	-	-	-	11	15	2.0 J	0.57 J
Methylene chloride	ug/m3	-	-	-	-	6.3	4.5	3.5	3.4
o-Xylene	ug/m3	-	-	-	-	856	630	10	0.61 J
Propylene	ug/m3	-	-	-	-	247	46.6	82.1	ND (0.69)
Tertiary Butyl Alcohol	ug/m3	-	-	-	-	22	25	142	0.28 J
Tetrachloroethylene	ug/m3	-	-	-	-	2.1	2.4	3.1	0.44
Toluene	ug/m3	-	-	-	-	693	731	57.3	1.2
Trichloroethylene	ug/m3	-	-	-	-	ND (1.1)	ND (0.86)	3.4	ND (0.17)
Trichlorofluoromethane	ug/m3	-	-	-	-	3.1	ND (2.2)	ND (2.2)	1.3
Vinyl Acetate	ug/m3	-	-	-	-	ND (3.5)	9.8	7.7	0.91
Vinyl chloride	ug/m3	-	-	-	-	2.3	ND (0.41)	ND (0.41)	ND (0.082)
Xylenes (total)	ug/m3	-	-	-	-	2280	1750	33	2.2
Footnotes:									
[a] Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.									
Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. SGS assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.									
HITS ONLY. Only parameters detected in at least one sample are shown.									