

Phase II Environmental Site Assessment Report

For:

Block 6000, Lots 79 and 80 136 – 140 Croton Avenue Ossining, New York 10562

Prepared For:

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DATE:

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TABLE OF CONTENTS

1.0	INTRO	DOC HON	I
1.1	SITE	SETTINGS	1
1.2	PRE	VIOUS ENVIRONMENTAL REPORT SUMMARIES	1
2.0	SUBS	URFACE INVESTIGATION	6
2.1	SITE	GEOLOGY	6
2.2	SAM	IPLE COLLECTION SUMMARY	6
2.3	SOII	BORINGS AND SOIL INVESTIGATION	7
2.4	GRO	DUNDWATER INVESTIGATION	8
2.5	SOII	GAS AND AMBIENT AIR INVESTIGATION	9
3.0	ANAL'	YTICAL RESULTS	10
3.1	SOII	LINVESTIGATION RESULTS	10
3.2	GRO	DUNDWATER INVESTIGATION RESULTS	14
3.3	SOII	GAS AND AMBIENT AIR INVESTIGATION	16
4.0	CONC	LUSIONS AND RECOMMENDATIONS	18
TABL TABL TABL	E 2.1	SAMPLE SUMMARY TABLE SOIL SAMPLE ANALYTICAL TABLE	
TABL	E 3.2	SOIL SAMPLE EXCEEDANCES	
TABL		GROUNDWATER ANALYTICAL TABLE	
TABL		GROUNDWATER SAMPLE EXCEEDANCES	
TABL		SOIL GAS AND AMBIENT AIR ANALYTICAL TABLE	
TABL	E 3.6	SOIL GAS AND AMBIENT AIR EXCEEDANCES	
FIGU	RES		
FIGU	RE 1.1	SITE LOCATION MAP	
FIGU	RE 1.2	TAX MAP	
FIGU	RE 1.3	SITE PLAN AND REC/AOC LOCATION PLAN	
FIGU	RE 1.4	SAMPLE LOCATION PLAN	
FIGU	RE 1.5	SOIL SAMPLE LOCATIONS AND RESULTS MAP	
FIGU	RE 3.1	GROUNDWATER SAMPLING LOCATIONS AND RESULTS MAP	
FIGU	RE 3.2	SOIL GAS AND AMBIENT AIR SAMPLING LOCATION AND RESULTS MAP	1

APPENDICES

APPENDIX A: PREVIOUS ENVIRONMENTAL REPORTS

APPENDIX B: GEOPHYSICAL REPORT

APPENDIX C: BORING AND MONITORING WELL LOGS

APPENDIX D: LABORATORY DELIVERABLE REPORTS

1.0 INTRODUCTION

SESI Consulting Engineers (SESI) has conducted this Phase II Environmental Site Assessment (Phase II ESA) report on behalf of Macquesten Development, LLC for the properties located at 136-140 Croton Avenue, Ossining, New York ("Site"). The Site is identified on local tax maps as Block 6000, Lots 79 and 80. The Site is composed of two (2) adjacent parcels, with approximately 0.72 acres. Based on aerial photographs, the Site previously contained structures. However, during this field investigation, only concrete floor slabs were present. The Site is bound to the north by Croton Avenue, beyond which residences and commercial properties are present, to the east by Watson Avenue, beyond which residences and commercial properties are present, to the south by residences, and to the west by Prospect Avenue, beyond which residences are present.

Figure 1.1 presents a topographical Site Location Map and Figure 1.2 presents a county Tax Map.

This Phase II ESA report summarizes the data of soil, groundwater, soil vapor, and ambient air samples collected by SESI to further investigate the Site. This report complies with the 2015 American Society for Testing and Materials standard (ASTM E1903).

1.1 SITE SETTINGS

The Site consists of two (2) parcels. The area contains building pads, asphalt pavement areas, and unpaved areas where previous greenhouse structures were located. There are no existing structures. The nearest surface water body is Kill Brook to the northwest (approximately 0.25 miles), which discharges into the Hudson River, located approximately one (1) mile west of the Site. Historical uses reportedly included a plant nursery (including greenhouses) and an automotive garage and gasoline filling stations.

1.2 PREVIOUS ENVIRONMENTAL REPORT SUMMARIES

SESI was provided with the following previous environmental reports and documents regarding the Site:

NYSDEC Brownfield Cleanup Program (BCP) Application, prepared by Haley & Aldrich of New York (H&A), dated November 10, 2020

H&A submitted a Brownfield Cleanup Program (BCP) Application for the Site on behalf of Amak Development, LLC pursuant to a Pre-Application Meeting that occurred on August 13, 2020 and

in response to comments in the Letter of Incompleteness, dated November 3, 2020. The BCP Application references the following two (2) reports prepared for the Site:

- Phase I ESA, prepared by Berkshire Environmental Services & Technology LLC (Berkshire), dated November 30, 2017
- Phase II ESA, prepared by Berkshire, dated November 30, 2017.

SESI did not receive the 2017 Berkshire Phase I and Phase II ESA reports for review; however, the report findings were summarized in the H&A BCP Application.

The environmental history for the Site was summarized by H&A as follows:

"From the Phase I and Phase II reports completed by Berkshire, it was found that the Site was undeveloped land prior to the construction of the Site buildings in the 1940s and 1950s. Two (2) buildings were constructed with Building #1 used as a retail gasoline station and automotive repair garage until 1981 and building #2 serving the same purpose until 1996. USTs were historically located on both Site parcels. Four (4) 10,000-gallon gasoline USTs on the western side of 136 Croton Ave were removed in 1981 and were confirmed to be leaking. Additionally, there were three (3) gasoline USTs of unknown size historically located on the northern side of the 138-140 Croton Avenue parcel, which appear to have also been removed. There was also a former presence of an inground hydraulic lift in the 136 Croton Avenue parcel and the remains of an inground hydraulic lift inside the building on the 138-140 Croton Avenue parcel. After serving as the gasoline service station and automotive repair garage, the Site operated as a nursery until 2017, and now the Site remains vacant. Two greenhouse structures were demolished in February 2020."

According to the H&A BCP Application, Berkshire conducted a Phase II Subsurface Investigation in November 2017. As part of the investigation, 13 soil borings were advanced to a maximum of 15 feet below ground surface (bgs) across the Site. Soil samples were collected and analyzed for a select group of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and/or metals. Four (4) of the samples exhibited exceedances of the NYSDEC Part 375 soil cleanup objectives (SCOs) for unrestricted use (USCO) and/or restricted residential use. A summary of the results is as follows:

- The following petroleum and solvent-related analytes were found to exceed the NYSDEC USCOs in soil samples, primarily from two (2) to four (4) feet bgs:
 - Ethylbenzene– maximum 20.6 milligrams per kilogram (mg/kg)
 - Naphthalene- maximum 12.1 mg/kg;
 - n-Propylbenzene- maximum 8.54 mg/kg;
 - Toluene– maximum 50 mg/kg;
 - 1,3,5-Trimethylbenzene– maximum 18.100 mg/kg; and
 - Total Xylenes– maximum 96.7 mg/kg.
- Benzene (maximum 5.32 mg/kg) exceeded the NYSDEC RRSCOs in SB-4 (2) to four (4) feet bgs. This soil boring is located at the former gasoline pump island on the 136 Croton Avenue parcel.
- The compound 1,2,4-trimethylbenzene (maximum 52.2 mg/kg) exceeded the NYSDEC RRSCOs in SB-11 from (2) to four (4) feet bgs. This soil boring is located at the former gasoline pump island of the 138-140 Croton Avenue parcel.
- Arsenic, barium, chromium, mercury, and lead were also detected in the shallow samples;
 however, they did not exceed the USCOs or RRSCOs.
- The highest VOCs, PAHs, and metals were located at the northeastern corner of the 138-140 Croton Avenue parcel and northern section of the 136 Croton Avenue parcel.

Additional information regarding November 2017 soil sample data can be found in Section III of **Appendix A**. A summary of the soil sampling exceedances from the Berkshire Investigation are depicted on **Figure 1.5**.

NYSDEC BCP Application Denial Letter, dated December 31, 2020

Based on the aforementioned BCP Application submitted by H&A, the Department denied the request for the Site to participate in the BCP. In making its determination, the Department reviewed the Site data provided by the applicant and concluded that insufficient contamination was identified at the Site to require remediation under the BCP. It was noted that only soil sampling results were provided in the application, with only two (2) of the 13 borings marginally exceeding the RRSCOs. The Department also indicated that the requestor may re-apply with new data that may include groundwater, indoor air, and soil vapor sampling results.

Phase I ESA, prepared by SESI, dated November 2021

SESI conducted a Phase I ESA in November 2021. SESI identified the following Recognized Environmental Concerns (RECs) for the Site:

- REC-1 Former Gasoline Station and Automobile Repair Garage: The Site formerly operated as a retail gasoline station and automotive repair garage circa 1940s through 1990s. Four (4) 10,000-gallon gasoline underground storage tanks (USTs) that were identified to be leaking were removed from the western side of 136 Croton Ave in 1981 and three (3) USTs of unknown size were also reportedly removed from the northern side of 138-140 Croton Ave. Petroleum-related soil contamination above New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Soil Cleanup Objectives (RRSCOs) was identified at the locations of the former USTs. That contamination has yet to be delineated or remediated. Furthermore, it is not known whether the contamination related to this REC has impacted Site groundwater or soil gas. According to previous reports, there is also evidence of an in-ground hydraulic lift at the Site associated with these former operations. SESI recommends conducting a geophysical evaluation at the former filling station to identify the locations of the previously removed USTs. Additionally, SESI recommends subsurface investigation be conducted at the Site to determine the nature and extent of the contamination associated with the former operations as a gasoline station and automotive repair garage.
- REC-2 Former Nursey Operations: The Site formerly operated as a nursery from circa
 1980s until 2017. It is not known if pesticides were used as part of the operations. Previous
 environmental investigations at the Site did not analyze soil sample for pesticides.
 Therefore, there is the potential for contamination related to these operations to have
 impacted the Site. SESI recommends subsurface investigation be conducted at the
 Site to determine the nature and extent of the contamination associated with the
 former operations as a nursery.
- REC-3 Former Potential USTs and/or Aboveground Storage Tanks (ASTs): Several
 structures were present at the Site throughout its history. The heating source for these
 structures is not known. The historical on-Site structures may have utilized ASTs or USTs
 containing heating oil. Neither the size nor construction of the former potential ASTs or
 USTs is known. SESI is unable to rule out the potential presence of ASTs and/or USTs
 associated with the former on-Site structures. Furthermore, previous environmental
 documents depict the former presence of two (2) 275-gallon ASTs located outside of the

former nursery buildings. The locations of the former ASTs coincide with SESI's observations of concrete pads during the Site reconnaissance. Additional information pertaining to those tanks was not provided. A subsurface geophysical evaluation should be considered to identify potential tanks associated with the former buildings.

• REC-4 Historical Spill #9613901: Historical Spill #9613901 was assigned to the Site under facility name Sun Valley Nursey (located at 136 Croton Avenue) on February 26, 1997 when an unknown quantity of gasoline was released to the environment from a UST of unspecified size, resulting in soil impacts at the Site. The cause of the spill was listed as tank overfill. According to a DEC memo related to this case number, approximately 300 cubic yards of soil were removed to remediate the impacts. Based on an unidentified report, dated March 27, 1997, a No Further Action (NFA) was issued for the spill number on September 9, 1997 and the case was subsequently closed. Despite the closed status of the case, SESI has not received the remedial documents related to this spill number. Therefore, SESI cannot rule out the potential for there to still be environmental impacts at the Site related to Spill Number 9613901. Therefore, additional investigation is recommended to determine if impacts related to this spill are present at the Site.

Based on the previous environmental assessments and investigations, SESI identified the following AOCs to investigate as part of this Phase II ESA:

- AOC-1 Historical Filling Station Pads and UST Removal Area: Corresponds with REC-1 from the 2021 SESI Phase I ESA.
- AOC-2A Potential UST GPR Anomaly 1: Corresponds with REC-3.
- AOC-2B Potential UST GPR Anomaly 2: Corresponds with REC-2 and REC-3.
- AOC-3 Historical AST: Corresponds with REC-2 and REC-3.
- AOC-4 Historical Hydraulic Lift Area: Corresponds with REC-1 and REC-2.
- AOC-5 Historical UST Removal Area: Corresponds with REC-1.

Figure 1.3 depicts the locations of the aforementioned RECs identified in the 2021 SESI Phase I ESA and the corresponding AOCs investigated as part of this Phase II ESA.

2.0 SUBSURFACE INVESTIGATION

SESI conducted a Site investigation on both lots in August and September 2021. The purpose of the investigation was to further investigate and delineate the impacts identified during previous investigations. A summary of this Phase II ESA is included herein.

2.1 SITE GEOLOGY

Based on soil borings conducted during this investigation, brown-gray sand with silt and some gravel was generally present throughout the Site at depths of 0 to 10 feet bgs. Interbedded layers of brown silt with gravel and brown clay with silt and gravel (weathered bedrock) were encountered from approximately 10 to 45 feet bgs. Tan to orange unconsolidated till was encountered between 45 and 50 feet bgs.

2.2 SAMPLE COLLECTION SUMMARY

In total, 22 soil samples were collected from 23 soil borings, two (2) groundwater samples were collected from three (3) temporary well monitoring points, five (5) soil gas samples were collected from five (5) soil gas points, and one (1) ambient air sample was collected. The sampling occurred between August 13 and September 2, 2021.

Table 2.1 below presents a summary of the soil borings, monitoring wells, and soil vapor points installed during this Phase II ESA. The locations of the soil borings were based on the previous environmental sampling in November 2017. In addition, **Figure 1.4** presents soil, groundwater, soil gas and ambient air sample locations.

The samples were delivered under chain-of-custody and analyzed at SGS Laboratories, a New York State Department of Health (NYSDOH) ELAP-certified laboratory (NY Certification 10983). As noted in the table below, the soil samples were analyzed for Target Compound List +30 TICs/Target Analyte List (TCL+30/TAL), which includes total VOCs, base neutral acid extractables (BNAs), TAL metals (23 metals + cyanide), pesticides, and PCBs. The groundwater samples were analyzed for TCL+30/TAL as well as emerging contaminants perfluoroalkyl and polyfluoroalkyl substances (PFAS) and 1,4-dioxane. The soil gas samples analyzed VOCs by EPA TO-15 method.

Sample collection methods are described in the sections below.

Table 2.1 - Sample Summary Table

Boring Location Name	Sample Name	Sample Date	Installation Method	Boring Depth (ft)	Sample Depth (ft)	Sample Media	Anlayses
SB-1	SB-1 (6.0-6.5)	8/13/2021	Direct Push (Geoprobe®)	15	6.0-6.5	Soil	TCL+30/TAL
SB-2	SB-2 (4.5-5.0)	8/13/2021	Direct Push (Geoprobe®)	10	4.5-5.0	Soil	TCL+30/TAL
SB-3	SB-3 (6.0-6.5)	8/13/2021	Direct Push (Geoprobe®)	10	6.0-6.5	Soil	TCL+30/TAL
SB-4	N/A	N/A	Direct Push (Geoprobe®)	10	N/A	Soil	N/A
SB-5	SB-5 (6.0-6.5)	8/13/2021	Direct Push (Geoprobe®)	10	6.0-6.5	Soil	TCL+30/TAL
SB-6	SB-6 (9.5-10.0)	8/13/2021	Direct Push (Geoprobe®)	10	9.5-10.0	Soil	TCL+30/TAL
SB-7	N/A	N/A	Direct Push (Geoprobe®)	10	N/A	Soil	N/A
SB-8	SB-8 (9.5-10.0)	8/13/2021	Direct Push (Geoprobe®)	10	9.5-10.0	Soil	TCL+30/TAL
SB-9	SB-9 (7.5-8.0)	8/13/2021	Direct Push (Geoprobe®)	10	7.5-8.0	Soil	TCL+30/TAL
SB-10	SB-10 (7.5-8.0)	8/13/2021	Direct Push (Geoprobe®)	10	7.5-8.0	Soil	TCL+30/TAL
SB-11	SB-11 (4.5-5.0)	8/16/2021	Direct Push (Geoprobe®)	10	4.5-5.0	Soil	TCL+30/TAL
SB-12	SB-12 (1.0-1.5)	8/16/2021	Direct Push (Geoprobe®)	10	1.0-1.5	Soil	TCL+30/TAL
SB-13	N/A	N/A	Direct Push (Geoprobe®)	14	N/A	Soil	N/A
SB-14	SB-14 (9.5-10.0)	8/16/2021	Direct Push (Geoprobe®)	10	9.5-10.0	Soil	TCL+30/TAL
SB-15	SB-15 (2.5-3.5)	8/16/2021	Direct Push (Geoprobe®)	10	2.5-3.5	Soil	TCL+30/TAL
SB-16	SB-16 (4.5-5.0)	8/16/2021	Direct Push (Geoprobe®)	10	4.5-5.0	Soil	TCL+30/TAL
SB-17	SB-17 (6.0-6.5)	8/16/2021	Direct Push (Geoprobe®)	10	6.0-6.5	Soil	TCL+30/TAL
SB-18	SB-18_2.0_2.5	9/2/2021	Direct Push (Sonic)	45	2.0-2.5	Soil	TCL+30/TAL
SB-18	SB-18_7.0_7.5	9/2/2021	Direct Push (Sonic)	45	7.0-7.5	Soil	TCL+30/TAL
SB-19	SB-19_3.0_3.5	9/2/2021	Direct Push (Sonic)	50	3.0-3.5	Soil	TCL+30/TAL
SB-19	SB-19_4.0_4.5	9/2/2021	Direct Push (Sonic)	50	4.0-4.5	Soil	TCL+30/TAL
SB-20	SB-20_3.0_3.5	9/2/2021	Direct Push (Sonic)	10	3.0-3.5	Soil	TCL+30/TAL
SB-21	SB-21_2.0_2.5	9/2/2021	Direct Push (Sonic)	10	2.0-2.5	Soil	TCL+30/TAL
SB-22	SB-22_2.0-2.5	9/2/2021	Direct Push (Sonic)	10	2.0-2.5	Soil	TCL+30/TAL
SB-23	SB-23_2.0_2.5	9/2/2021	Direct Push (Sonic)	10	2.0-2.5	Soil	TCL+30/TAL
TW-1	TW-1	9/2/2021	Direct Push (Sonic)	42	35	Water	TCL+30/TAL, PFAs, 1,4-Dioxane
TW-2	TW-2	9/2/2021	Direct Push (Sonic)	50	45	Water	TCL+30/TAL (no Metals), PFAs, 1,4-Dioxane
TW-3	N/A	8/13/2021	Direct Push (Geoprobe®)	15	N/A	Water	N/A
SG-1	SG-1	8/16/2021	Direct Push (Geoprobe®)	5	5	Soil Gas/Vapor	TO-15
SG-2	SG-2	8/16/2021	Direct Push (Geoprobe®)	5	5	Soil Gas/Vapor	TO-15
SG-3	SG-3	8/16/2021	Direct Push (Geoprobe®)	5	5	Soil Gas/Vapor	TO-15
SG-4	SG-4	8/16/2021	Direct Push (Geoprobe®)	5	5	Soil Gas/Vapor	TO-15
SG-5	SG-5	8/16/2021	Direct Push (Geoprobe®)	5	5	Soil Gas/Vapor	TO-15
AA-1	AA-1	8/16/2021	Direct Push (Geoprobe®)	0	0	Ambient Air	TO-15

2.3 SOIL BORINGS AND SOIL INVESTIGATION

Prior to conducting subsurface drilling, SESI's drilling contractor, Coastal Environmental Solutions, Inc. (Coastal) contacted New York's utility mark-out system. In addition, Coastal retained RSK Environmental Group (RSK) 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 August 13, 2021 to clear soil boring locations, as well as search for potential USTs. Two (2) metallic anomalies were found to the south and southwest of the former building located on Lot 79 (136 Croton Avenue property). These structures were identified as cylindrical and located depths between two (2) and three (3) feet bgs, which is consistent with an UST signature (AOC-2). Both anomalies were identified directly adjacent to and parallel with building footprints. GPR anomaly #1 was located

adjacent what was identified as a former AST pad. This GPR Anomaly No. 1 is approximately 12 feet by six (6) feet (AOC-2A). The GPR Anomaly No. 2 is located to the west of the same building and is approximately nine (9) feet by four (4) feet (AOC-2B). These areas are investigated as part of this Phase II ESA. RSK's Geophysical Investigation Report is provided as **Appendix B**. The potential USTs are depicted on **Figure 1.3**.

23 soil borings were advanced using a combination of direct-push, auger rotary, and sonic drilling methods. The borings were advanced to depths ranging from approximately ten (10) feet to 50 feet bgs using a track-mounted Geoprobe® rig. Borings were spaced evenly throughout the Site to supplement the November 2017 data and address AOCs based on this report and prior knowledge of Site usage. All borings and observations were logged to identify the presence of staining, fill material, and total VOC concentrations using a PID. Soil samples were collected based on the GPR/EM survey, previously identified AOCs, and any visual or olfactory impacts during the investigation. These soil samples were collected as discrete grab samples and were not composited. Soil boring logs are presented in **Appendix C** and soil boring locations are depicted in **Figure 1.4**.

2.4 GROUNDWATER INVESTIGATION

During the first mobilization in August 2021, refusal was encountered around approximately 15 feet bgs across the Site using direct push and auger rotary drilling methods and groundwater was not encountered during soil boring advancement to this depth. Furthermore, a one (1)-inch temporary well point (TW-3) was placed in soil boring SB-1 to a depth of 15 feet bgs and no groundwater was recovered. Weathered bedrock encountered at approximately 15 feet bgs resulted in a very tight formation rendering difficult for the Geoprobe® to push through. On September 2, 2021, SESI re-mobilized to the Site and Costal used a Sonic Drill Rig to advance soil borings to depths below 15 feet and install two (2) additional 2-inch temporary monitoring wells. These temporary wells (TW-1 and TW-2) were placed between 40 and 50 feet bgs for the purpose of collecting groundwater samples. Groundwater was encountered at 29.98 and 33.48 feet bgs for TW-1 and TW-2, respectively. No groundwater was recovered in TW-3. TW-1 and TW-2 were purged with a two (2)-inch bailers and exhibited high turbidity and slow recharge. These temporary wells were then sampled for TCL+30/TAL, PFAS and 1,4-dioxane. The temporary monitoring well locations are depicted in Figure 1.4. Monitoring well logs are included in Appendix C.

2.5 SOIL GAS AND AMBIENT AIR INVESTIGATION

Five (5) soil gas samples (SG-1 through SG-5) were collected throughout the Site. Each was installed using direct push and tubing was placed beneath the soil, existing concrete building pad or asphalted roadway. These soil gas samples were collected in 1-L Summa cannisters with flow controllers set to collect the sample at a flow rate of 200 ml/min. In addition, one (1) ambient air sample (AA-1) was collected from a central outdoor location at the Site. The ambient air sample was collected in a 6-L Summa canister with flow controller set to collect the sample at a flow rate of 200 ml/min. Samples were analyzed for volatile vapors by U.S. EPA Method TO-15. Soil gas and ambient air sample locations are depicted in **Figure 1.4**.

3.0 ANALYTICAL RESULTS

3.1 SOIL INVESTIGATION RESULTS

Soil samples were compared to the NYSDEC USCO and RRSCO Part 375 Soil Cleanup Objectives and associated CP-51 Soil Cleanup Guidance (SCG). A summary table of the analytical results compared to NYSDEC USCOs and RRSCOs is presented in **Table 3.1**, and **Figure 1.5**. The soil laboratory deliverables are provided as **Appendix D. Table 3.2** below includes a summary of the soil exceedances of the USCOs and RRSCOs.

Seven (7) of the 22 samples collected have exceedances of one (1) or more analyte above the soil cleanup objectives, including: SB-5 (6-6.5), SB-14 (9.5-10), SB-18 (2-2.5), SB-18 (7-7.5), SB-19 (3-3.5), SB-19 (4-4.5), and SB-22 (2-2.5). The contaminants identified at the Site at concentrations above either USCO or RRSCO include VOCs (acetone, and BTEX [benzene, toluene, ethylbenzene, and xylenes]), naphthalene, and metals (arsenic, copper, selenium, and silver).

Acetone was detected above its respective USCO in one (1) soil sample: SB-5 (0.0651 mg/kg) from 6.0 to 6.5 feet bgs. Copper was detected above its respective USCO in one (1) soil sample: SB-14 (69.5 mg/kg) from 9.5 to 10 feet bgs.

Soil samples from three (3) other soil boring locations exhibited concentrations exceeding the Part 375 Soil Cleanup Objectives and associated CP-15 SCG. These sample locations are SB-18, SB-19, and SB-22, further described below:

<u>SB-18</u>

The SB-18 soil boring was advanced adjacent to SB-4 from the 2017 Berkshire Phase II ESA and within the pump island area of the 136 Croton Ave parcel (**AOC-1**). Two (2) soil samples were collected from this location based on the highest PID readings. SB-18_2.0_2.5, collected from 2.0 to 2.5 feet bgs, exhibited a PID reading of 259 ppm, while the sample collected at 7.0 to 7.5 feet bgs (SB-18_7.0_7.5) exhibited a PID reading of 208 ppm.

Soil sample SB-18_2.0_2.5 exhibited detections of m,p-xylene (120 mg/kg) and total xylenes (167 mg/kg) at concentrations above their respective RRSCOs. This sample also contained concentrations of benzene (0.674 mg/kg), ethylbenzene (36.6 mg/kg), toluene (8.13 mg/kg), o-xylene (47.4 mg/kg), and naphthalene (13.8 mg/kg) above their respective USCOs.

Soil sample SB-18_7.0_7.5 exhibited concentrations of m,p-xylene (3.23 mg/kg), o-xylene (1.72 mg/kg), total xylenes (4.95 mg/kg), and silver (2.3 mg/kg) above their respective USCOs.

SB-19

The SB-19 soil boring was advanced adjacent to SB-11 from the 2017 Berkshire Phase II ESA and within the northeastern area of the 138-140 Croton Ave parcel (**AOC-5**). Two (2) soil samples were collected from this location based on the highest PID readings. SB-19_3.0_3.5, collected from 3.0 to 3.5 feet bgs, exhibited a PID reading of 1109 ppm, while the sample collected at 4.0 to 4.5 feet bgs (SB-19_4.0_4.5) exhibited a PID reading of 800 ppm.

Soil sample SB-19_3.0_3.5 exhibited detections of m,p-xylene (235 mg/kg) and total xylenes (329 mg/kg) above their respective RRSCOs. This sample also contained concentrations of benzene (2.97 mg/kg), ethylbenzene (48.3 mg/kg), toluene (67.5 mg/kg), o-xylene (93.5 mg/kg), and naphthalene (13.9 mg/kg) above their respective USCOs.

Soil sample SB-19_4.0_4.5 exhibited concentrations of benzene (0.287 mg/kg), ethylbenzene (8.88 mg/kg), toluene (7.6 mg/kg), m,p-xylene (46.4 mg/kg), o-xylene (17.7 mg/kg) and total xylenes (64.1 mg/kg) above their respective USCOs.

SB-22

The SB-22 soil boring was advanced adjacent to SB-18 on the eastern side of the historic pump islands in the northern portion of the 136 Croton Ave parcel (**AOC-1**). One (1) soil sample was collected from 2.0 to 2.5 feet bgs based on the previous depth of contamination noted in SB-18. The sample collected exhibited arsenic (85.4 mg/kg) at a concentration above its respective RRSCO and selenium (12.9 mg/kg) at a concentration above its respective USCO.

The laboratory noted that selenium and silver specifically exhibited elevated detection limits over USCOs due to dilutions required for high interfering element(s). These notes are made in the tables and figures presenting these data.

Metallic Anomalies (AOC-2)

The GPR survey identified two (2) metallic anomalies that had the subgrade appearance of USTs. Three (3) borings were advanced around each anomaly; SB-3, SB-4, and SB-5 for anomaly 1

(AOC-2A) and SB-6, SB-7, and SB-8 for anomaly 2. No visual impacts or odors were identified in the borings. Two (2) samples were collected from each AOC-2; SB-3 and SB-5 for AOC-2B, and SB-6 and SB-8 for AOC-2A. The only exceedance identified was acetone, which was detected at a concentration (0.0651 mg/kg) above its USCO in sample SB-5 (6-6.5). However, it should be noted that acetone is a common laboratory contaminant.

Greenhouse and Covered Areas

The former greenhouse and covered areas were identified as potentially containing pesticides and herbicides from previous nursery and plant growing activities. Several borings were advanced within the footprint of the former greenhouse structures, as depicted on **Figure 1.4**. Pesticides and herbicides were either not detected or not detected at concentrations above the soil cleanup objectives across the Site.

PCBs

PCBs were sampled throughout the Site and were non-detect, with the exception of Arcolor 1254 in soil sample SB-23_2.0-2.5; however, the concentration of this analyte does not exceed any of the soil cleanup objectives.

Table 3.2 - Soil Sample Exceedances

Client Sample ID:				SB-1 (6-6.5)	SB-2 (4.5-5.0)	SB-3 (6-6.5)	SB-5 (6-6.5)	SB-6 (9.5-10.0)	SB-8 (9.5-10.0)	SB-9 (7.5-8.0)	SB-10 (7.5-8.0)	SB-11(4.5-5.0)	SB-12(1.0-1.5)	SB-14(9.5-10.0)
Lab Sample ID:				1 1										
Date Sampled:		usco	RRSCO	JD29923-1	JD29923-2	JD29923-3	JD29923-4	JD29923-5	JD29923-6	JD29923-7	JD29923-8	JD30019-1	JD30019-2	JD30019-3
Matrix:				8/13/2021 Soil	8/13/2021 Soil	8/13/2021 Soil	8/13/2021 Soil	8/13/2021 Soil	8/13/2021 Soil	8/13/2021 Soil	8/13/2021 Soil	8/16/2021 Soil	8/16/2021 Soil	8/16/2021 Soil
Sample Depth:	Units			6-6.5'	4.5-5.0'	6-6.5'	6-6.5'	9.5-10.0'	9.5-10.0'	7.5-8.0'	7.5-8.0'	4.5-5.0'	1.0-1.5'	9.5-10.0'
Sample Deptil.	Units			0-0.3	4.5-5.0	0-0.5	0-0.5	3.3-10.0	3.3-10.0	7.5-0.0	7.5-0.0	4.3-3.0	1.0-1.3	5.5-10.0
MS Volatiles (SW84	6 8260D)													
Acetone	mg/kg	0.05	100	ND (0.0054)	0.0071 J	0.0061 J	0.0651	0.0053 J	ND (0.0051)	ND (0.0040)	ND (0.0048)	ND (0.0037)	ND (0.0050)	0.0285
Benzene	mg/kg	0.06	4.8	ND (0.00059)	ND (0.00061)	ND (0.00041)	ND (0.00052)	ND (0.00042)	ND (0.00057)	ND (0.00044)	ND (0.00052)	ND (0.00041)	ND (0.00055)	0.00087
Ethylbenzene	mg/kg	1	41	ND (0.00059)	ND (0.00060)	ND (0.00041)	ND (0.00052)	ND (0.00042)	ND (0.00056)	ND (0.00044)	ND (0.00052)	ND (0.00041)	ND (0.00055)	ND (0.00062)
Toluene	mg/kg	0.7	100	ND (0.00068)	ND (0.00070)	ND (0.00048)	ND (0.00060)	ND (0.00048)	ND (0.00065)	ND (0.00051)	ND (0.00060)	ND (0.00047)	ND (0.00064)	0.0012 J
m,p-Xylene	mg/kg	0.26	100	ND (0.0012)	ND (0.0012)	ND (0.00082)	ND (0.0010)	ND (0.00082)	ND (0.0011)	ND (0.00087)	ND (0.0010)	ND (0.00081)	ND (0.0011)	0.0015
o-Xylene	mg/kg	0.26	100	ND (0.00060)	ND (0.00061)	ND (0.00042)	ND (0.00052)	ND (0.00042)	ND (0.00057)	ND (0.00044)	ND (0.00053)	ND (0.00041)	ND (0.00056)	ND (0.00062)
Xylene (total)	mg/kg	0.26	100	ND (0.00060)	ND (0.00061)	ND (0.00042)	ND (0.00052)	ND (0.00042)	ND (0.00057)	ND (0.00044)	ND (0.00053)	ND (0.00041)	ND (0.00056)	0.0015
MS Semi-volatiles (SW846 82	270E)												
Naphthalene	mg/kg	12	100	ND (0.027)	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.019)	ND (0.010)
Metals Analysis														
Arconic	malka	13	16	<2.2	<4.4 ^g	<2.3	<4.4 ⁹	<2.2	<4.5 ^g	<4.6 ^g	<2.3	<2.3	5.8	<4.4 ⁹
Arsenic	mg/kg	50	270	20.1	16.7 9	15.3	18.8 9	12.2	20.5 9	20.3 9	10.9	19.1	14.1	69.5 ^g
Copper Selenium	mg/kg	3.9	180	<2.2	<4.4 gh	<2.3	<4.4 ^{gh}	<2.2	<4.5 gh	<4.6 gh	<2.3	<2.3	<2.3	<4.4 gh
Silver	mg/kg mg/kg	2	180	1.1 9	1.1 9	<1.1 ⁹	1.4 9	<2.7 gh	1.4 9	1.5 9	1	1.4 9	<2.8 gh	1.1 9
Cilver	mgmg	-	100	1		- 1.1	1.4		1.4	1.0		1.4	2.0	1.1
Client Sample ID:														
Client Sample ID.				SB-15(2.5-3.5)	SB-16(4.5-5.0)	SB-17(6-6.5)	SB-18_2.0_2.5	SB-18_7.0_7.5	SB-19_3.0_3.5	SB-19_4.0_4.5	SB-20_3.0_3.5	SB-21_2.0_2.5	SB-22_2.0_2.5	SB-23_2.0_2.5
Lab Sample ID:		usco	RRSCO	JD30019-4	JD30019-5	JD30019-6	JD30962-1	JD30962-2	JD30962-3	JD30962-4	JD30962-5	JD30962-6	JD30962-7	JD30962-8
Lab Sample ID: Date Sampled:		usco	RRSCO	JD30019-4 8/16/2021	JD30019-5 8/16/2021	JD30019-6 8/16/2021	JD30962-1 9/2/2021	JD30962-2 9/2/2021	JD30962-3 9/2/2021	JD30962-4 9/2/2021	JD30962-5 9/2/2021	JD30962-6 9/2/2021	JD30962-7 9/2/2021	JD30962-8 9/2/2021
Lab Sample ID: Date Sampled: Matrix:		usco	RR\$CO	JD30019-4 8/16/2021 Soil	JD30019-5 8/16/2021 Soil	JD30019-6 8/16/2021 Soil	JD30962-1 9/2/2021 Soil	JD30962-2 9/2/2021 Soil	JD30962-3 9/2/2021 Soil	JD30962-4 9/2/2021 Soil	JD30962-5 9/2/2021 Soil	JD30962-6 9/2/2021 Soil	JD30962-7 9/2/2021 Soil	JD30962-8 9/2/2021 Soil
Lab Sample ID: Date Sampled:	Units	USCO	RRSCO	JD30019-4 8/16/2021	JD30019-5 8/16/2021	JD30019-6 8/16/2021	JD30962-1 9/2/2021	JD30962-2 9/2/2021	JD30962-3 9/2/2021	JD30962-4 9/2/2021	JD30962-5 9/2/2021	JD30962-6 9/2/2021	JD30962-7 9/2/2021	JD30962-8 9/2/2021
Lab Sample ID: Date Sampled: Matrix:		USCO	RRSCO	JD30019-4 8/16/2021 Soil	JD30019-5 8/16/2021 Soil	JD30019-6 8/16/2021 Soil	JD30962-1 9/2/2021 Soil	JD30962-2 9/2/2021 Soil	JD30962-3 9/2/2021 Soil	JD30962-4 9/2/2021 Soil	JD30962-5 9/2/2021 Soil	JD30962-6 9/2/2021 Soil	JD30962-7 9/2/2021 Soil	JD30962-8 9/2/2021 Soil
Lab Sample ID: Date Sampled: Matrix: Sample Depth:		USCO	RRSCO	JD30019-4 8/16/2021 Soil	JD30019-5 8/16/2021 Soil	JD30019-6 8/16/2021 Soil	JD30962-1 9/2/2021 Soil	JD30962-2 9/2/2021 Soil	JD30962-3 9/2/2021 Soil	JD30962-4 9/2/2021 Soil	JD30962-5 9/2/2021 Soil	JD30962-6 9/2/2021 Soil	JD30962-7 9/2/2021 Soil	JD30962-8 9/2/2021 Soil
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84	6 8260D)			JD30019-4 8/16/2021 Soil 2.5-3.5'	JD30019-5 8/16/2021 Soil 4.5-5.0'	JD30019-6 8/16/2021 Soil 6-6.5'	JD30962-1 9/2/2021 Soil 2.0-2.5'	JD30962-2 9/2/2021 Soil 7.0-7.5'	JD30962-3 9/2/2021 Soil 3.0-3.5'	JD30962-4 9/2/2021 Soil 4.0-4.5'	JD30962-5 9/2/2021 Soil 3.0-3.5'	JD30962-6 9/2/2021 Soil 2.0-2.5'	JD30962-7 9/2/2021 Soil 2.0-2.5'	JD30962-8 9/2/2021 Soil 2.0-2.5'
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone	6 8260D)	0.05	100	JD30019-4 8/16/2021 Soil 2.5-3.5'	JD30019-5 8/16/2021 Soil 4.5-5.0'	JD30019-6 8/16/2021 Soil 6-6.5'	JD30962-1 9/2/2021 Soil 2.0-2.5'	JD30962-2 9/2/2021 Soil 7.0-7.5'	JD30962-3 9/2/2021 Soil 3.0-3.5'	JD30962-4 9/2/2021 Soil 4.0-4.5'	JD30962-5 9/2/2021 Soil 3.0-3.5'	JD30962-6 9/2/2021 Soil 2.0-2.5'	JD30962-7 9/2/2021 Soil 2.0-2.5'	JD30962-8 9/2/2021 Soil 2.0-2.5'
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene	mg/kg	0.05	100	JD30019-4 8/16/2021 Soil 2.5-3.5' ND (0.0037) ND (0.00040)	JD30019-5 8/16/2021 Soil 4.5-5.0' ND (0.0041) ND (0.00045)	JD30019-6 8/16/2021 Soil 6-6.5'	JD30962-1 9/2/2021 Soil 2.0-2.5'	JD30962-2 9/2/2021 Soil 7.0-7.5'	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) ^b	JD30962-4 9/2/2021 Soil 4.0-4.5'	JD30962-5 9/2/2021 Soil 3.0-3.5'	JD30962-6 9/2/2021 Soil 2.0-2.5'	JD30962-7 9/2/2021 Soil 2.0-2.5'	JD30962-8 9/2/2021 Soil 2.0-2.5'
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene	mg/kg mg/kg mg/kg	0.05 0.06 1	100 4.8 41	JD30019-4 8/16/2021 Soil 2.5-3.5' ND (0.0037) ND (0.00040) ND (0.00040)	JD30019-5 8/16/2021 Soil 4.5-5.0' ND (0.0041) ND (0.00045) ND (0.00045)	JD30019-6 8/16/2021 Soil 6-6.5' 0.0072 J ND (0.00040) ND (0.00040)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) ^b 0.674 36.6	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.22) ^c ND (0.024) 0.632	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) ^b 2.97 48.3	JD30962.4 9/2/2021 Soil 4.0-4.5' ND (0.22) ^b 0.287 8.88	JD30962-5 9/2/2021 Soil 3.0-3.5' NA NA	JD30962-6 9/2/2021 Soil 2.0-2.5'	JD30962-7 9/2/2021 Soil 2.0-2.5'	JD30962-8 9/2/2021 Soil 2.0-2.5'
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene Toluene	mg/kg mg/kg mg/kg mg/kg	0.05 0.06 1 0.7	100 4.8 41 100	JD30019-4 8/16/2021 Soil 2.5-3.5' ND (0.0037) ND (0.00040) ND (0.00040) ND (0.00047)	JD30019-5 8/16/2021 Soil 4.5-5.0' ND (0.0041) ND (0.00045) ND (0.00045) ND (0.00052)	JD30019-6 8/16/2021 Soil 6-6.5' 0.0072 J ND (0.00040) ND (0.00040)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) ^b 0.674 36.6 8.13	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.22) ° ND (0.024) 0.632 0.208	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) b 2.97 48.3 67.5	JD30962-4 9/2/2021 Soil 4.0-4.5' ND (0.22) ^b 0.287 8.88 7.6	JD30962-5 9/2/2021 Soil 3.0-3.5'	JD30962-6 9/2/2021 Soil 2.0-2.5'	JD30962-7 9/2/2021 Soil 2.0-2.5'	JD30962-8 9/2/2021 Soil 2.0-2.5'
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene Troluene m,p-xylene	mg/kg mg/kg mg/kg mg/kg mg/kg	0.05 0.06 1 0.7 0.26	100 4.8 41 100 100	JD30019-4 8/16/2021 Soil 2.5-3.5' ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00047) ND (0.00080)	ND (0.0041) ND (0.00045) ND (0.00052) ND (0.0090)	JD30019-6 8/16/2021 Soil 6-6.5' DD (0.00040) ND (0.00040) ND (0.00046) ND (0.00078)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) ^b 0.674 36.6 8.13	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.22) ^c ND (0.024) 0.632 0.208 3.23	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) ^b 2.97 48.3 67.5	JD30962-4 9/2/2021 Soil 4.0-4.5' ND (0.22) ^b 0.287 8.88 7.6 46.4	JD30962-5 9/2/2021 Soil 3.0-3.5' NA NA NA	JD30962-6 9/2/2021 Soil 2.0-2.5' NA NA NA	JD30962-7 9/2/2021 Soil 2.0-2.5' NA NA NA NA	JD30962-8 9/2/2021 Soil 2.0-2.5' NA NA NA NA
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene Toluene mpXylene o-Xylene	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.05 0.06 1 0.7 0.26 0.26	100 4.8 41 100 100	ND (0.0037) ND (0.0040) ND (0.0040) ND (0.0040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040)	ND (0.0041) ND (0.0045) ND (0.0045) ND (0.00045) ND (0.00045) ND (0.00065) ND (0.00065) ND (0.00069) ND (0.00046)	JD30019-6 8/16/2021 Soil 6-6.5' 0.0072 J ND (0.00040) ND (0.00040) ND (0.00048) ND (0.00048) ND (0.00040)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) ^b 0.674 36.6 8.13 120	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.22) ^c ND (0.024) 0.632 0.632 0.208 3.23	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) b 2.97 48.3 67.5 235 93.5	JD30962-4 9/2/2021 Soil 4.0-4.5' ND (0.22) b 0.287 8.88 46.4 17.7	JD30962-5 9/2/2021 Soil 3.0-3.5' NA NA NA NA	JD30962-6 9/2/2021 Soil 2.0-2.5' NA NA NA NA	JD30962-7 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA	JD30962-8 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA NA NA NA
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene Toluene m_p-Xylene o-Xylene Xylene (total)	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.05 0.06 1 0.7 0.26 0.26 0.26	100 4.8 41 100 100	ND (0.0037) ND (0.0040) ND (0.0040) ND (0.0040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040)	ND (0.0041) ND (0.0045) ND (0.0045) ND (0.00045) ND (0.00045) ND (0.00065) ND (0.00065) ND (0.00069) ND (0.00046)	JD30019-6 8/16/2021 Soil 6-6.5' 0.0072 J ND (0.00040) ND (0.00040) ND (0.00048) ND (0.00048) ND (0.00040)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) ^b 0.674 36.6 8.13 120	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.22) ^c ND (0.024) 0.632 0.632 0.208 3.23	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) b 2.97 48.3 67.5 235 93.5	JD30962-4 9/2/2021 Soil 4.0-4.5' ND (0.22) b 0.287 8.88 46.4 17.7	JD30962-5 9/2/2021 Soil 3.0-3.5' NA NA NA NA	JD30962-6 9/2/2021 Soil 2.0-2.5' NA NA NA NA	JD30962-7 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA	JD30962-8 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA NA NA NA
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene Toluene my-Xylene o-Xylene Xylene (total) MS Semi-volatiles (mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.05 0.06 1 0.7 0.26 0.26 0.26	100 4.8 41 100 100 100	JD30019-4 8/16/2021 Soil 2.5-3.5' ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00041) ND (0.00041) ND (0.00041)	JD30019-5 8/16/2021 Soil 4.5-5.0' ND (0.0041) ND (0.00045) ND (0.00052) ND (0.00090) ND (0.00046) ND (0.00046)	JD30019-6 8/16/2021 Soil 6-6.5' ND (0.00040) ND (0.00040) ND (0.00046) ND (0.00078) ND (0.00040) ND (0.00040)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) b 0.674 36.6 8.13 120 47.4	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.022) ° ND (0.024) 0.632 0.208 3.23 1.72 4.95	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) b 2.97 48.3 67.5 93.5	JD30962-4 9/2/2021 Soil 4.0-4.5' ND (0.22) b 0.287 8.88 7.6 46.4 17.7 64.1	JD30962-5 9/2/2021 Soil 3.0-3.5' NA NA NA NA NA NA NA NA NA	JD30962-6 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA	JD30962-7 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA	JD30962-8 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene Toluene m,p-Xylene Xylene (total) MS Semi-volatiles (Naphthalene Metals Analysis	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.05 0.06 1 0.7 0.26 0.26 0.26	100 4.8 41 100 100 100 100	JD30019-4 8/16/2021 Soil 2.5-3.5' ND (0.00040) ND (0.00040) ND (0.00041) ND (0.00041) ND (0.00041) ND (0.00041)	JD30019-5 8/16/2021 Soil 4.5-5.0' ND (0.0041) ND (0.00045) ND (0.00052) ND (0.00090) ND (0.00046) ND (0.00046)	JD30019-6 8/16/2021 Soil 6-6.5' D.0072 J ND (0.00040) ND (0.00040) ND (0.00046) ND (0.00078) ND (0.00040) ND (0.00040)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) b 0.674 36.6 8.13 47.4 167	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.22) ° ND (0.024) 0.632 0.208 3.23 1.72 4.95	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) ^b 2.97 48.3 67.5 93.5 93.5 329	JD30962-4 9/2/2021 Soil 4.0-4.5' ND (0.22) b 0.287 8.88 7.6 46.4 17.7 64.1	JD30962-5 9/2/2021 Soil 3.0-3.5' NA	JD30962-6 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA NA NA	JD30962-7 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA	JD30962-8 9/2/2021 Soil 2.0-2.5' NA
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene Toluene m,p-Xylene Xylene (total) MS Semi-volatiles (Naphthalene Metals Analysis	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.05 0.06 1 0.7 0.26 0.26 0.26 12	100 4.8 41 100 100 100 100	JD30019-4 8/16/2021 Soil 2.5-3.5' ND (0.0037) ND (0.00040) ND (0.00040) ND (0.00041) ND (0.00041) ND (0.00041) ND (0.00041) ND (0.00099)	JD30019-5 8/16/2021 Soil 4.5-5.0' ND (0.00041) ND (0.00045) ND (0.00045) ND (0.00046) ND (0.00046) ND (0.00046) ND (0.00046)	JD30019-6 8/16/2021 Soil 6-6.5' 0.0072 J ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) b 0.674 36.6 47.4 167	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.22)* ND (0.024) 0.632 0.208 3.23 1.72 4.95	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) ^b 2.97 48.3 67.5 235 93.5 329	JD30962-4 9/2/2021 Soil 4.0-4.5' ND (0.22) ^b 0.287 8.88 7.6 46.4 17.7 64.1	JD30962-5 9/2/2021 Soil 3.0-3.5' NA	JD30962-6 9/2/2021 Soil 2.0-2.5' NA	JD30962-7 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA NA NA NA	JD30962-8 9/2/2021 Soil 2.0-2.5' NA
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene Toluene m_p-Xylene o-Xylene (total) MS Semi-volatiles (Naphthalene Metals Analysis Arsenic Copper	mg/kg	0.05 0.06 1 0.7 0.26 0.26 0.26	100 4.8 41 100 100 100 100	JD30019-4 8/16/2021 Soil 2.5-3.5' ND (0.0037) ND (0.00040) ND (0.00047) ND (0.00041) ND (0.00041) ND (0.00041) ND (0.00099) **ND (0.0099)	JD30019-5 8/16/2021 Soil 4.5-5.0' ND (0.0041) ND (0.00045) ND (0.00045) ND (0.00052) ND (0.00046) ND (0.00046) ND (0.00046) ND (0.00010)	JD30019-6 8/16/2021 Soil 6-6.5' 0.0072 J ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00078) ND (0.00040) ND (0.00079)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) b 0.674 36.6 8.13 120 47.4 167	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.024) 0.632 0.208 3.23 1.72 4.95	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) b 2.97 48.3 67.5 235 93.5 329	JD30962-4 9/2/2021 Soil 4.0-4.5' ND (0.22) b 0.287 8.88 7.6 46.4 17.7 64.1 8.26	JD30962-5 9/2/2021 Soil 3.0-3.5' NA	JD30962-6 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA NA NA NA NA	JD30962-7 9/2/2021 Soil 2.0-2.5' NA	JD30962-8 9/2/2021 Soil 2.0-2.5' NA
Lab Sample ID: Date Sampled: Matrix: Sample Depth: MS Volatiles (SW84 Acetone Benzene Ethylbenzene Toluene m,p-Xylene Xylene (total) MS Semi-volatiles (Naphthalene Metals Analysis	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	0.05 0.06 1 0.7 0.26 0.26 0.26 12	100 4.8 41 100 100 100 100	JD30019-4 8/16/2021 Soil 2.5-3.5' ND (0.00040) ND (0.00040) ND (0.00041) ND (0.00041) ND (0.00041) ND (0.00041) ND (0.00041)	JD30019-5 8/16/2021 Soil 4.5-5.0' ND (0.00041) ND (0.00045) ND (0.00045) ND (0.00046) ND (0.00046) ND (0.00046) ND (0.00046)	JD30019-6 8/16/2021 Soil 6-6.5' 0.0072 J ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040) ND (0.00040)	JD30962-1 9/2/2021 Soil 2.0-2.5' ND (0.22) b 0.674 36.6 47.4 167	JD30962-2 9/2/2021 Soil 7.0-7.5' ND (0.22)* ND (0.024) 0.632 0.208 3.23 1.72 4.95	JD30962-3 9/2/2021 Soil 3.0-3.5' ND (0.21) ^b 2.97 48.3 67.5 235 93.5 329	JD30962-4 9/2/2021 Soil 4.0-4.5' ND (0.22) ^b 0.287 8.88 7.6 46.4 17.7 64.1	JD30962-5 9/2/2021 Soil 3.0-3.5' NA	JD30962-6 9/2/2021 Soil 2.0-2.5' NA	JD30962-7 9/2/2021 Soil 2.0-2.5' NA NA NA NA NA NA NA NA	JD30962-8 9/2/2021 Soil 2.0-2.5' NA

Footnotes:

Additional Notes:

mg/kg = Miligrams per kilogram

ND = Not Detected

- = No soil cleanup objective established

NA = Not Tested

J = The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL)

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

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

= Concentration exceeds USCOs

= Concentration exceeds RRSCOs

^a Associated CCV outside of control limits low.

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

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

^d This compound in BS is outside in house QC limits bias high.

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

^f More than 40 % RPD for detected concentrations between the two GC columns.

 $^{{}^{\}rm g}$ Elevated detection limit due to dilution required for high interfering element.

^h Elevated detection limit over USCOs due to dilution required for high interfering element.

3.2 GROUNDWATER INVESTIGATION RESULTS

In total, three (3) temporary well points were placed; however, groundwater was encountered in only two (2) of the temporary well points (TW-1 and TW-2) and one (1) groundwater sample was collected from each. Groundwater was not encountered in TW-3. The groundwater analytical results summary tables are included in **Tables 3.3**, and on **Figure 3.1**. The groundwater laboratory deliverable reports are included in **Appendix D**. **Table 3.4** below presents a summary of the groundwater exceedances of the ambient water quality standards (AWQS).

VOCs and metals were detected above AWQS in TW-1. The following concentrations of VOCs were found above the AWQS: benzene (2.2 ug/L), ethylbenzene (12.2 ug/L), toluene (11.1 ug/L), o-xylene (18.2 ug/L), and total xylene (62.9 ug/L). In addition, the following concentrations of metals were found above the AWQS: arsenic (29.6 ug/L), barium (4,140 ug/L), chromium (728 ug/L), copper (485 ug/L), iron (602,000 ug/L), lead (194 ug/L), manganese (9,180 ug/L), nickel (481 ug/L), silver (59.4 ug/L), and sodium (24,400 ug/L).

VOCs and naphthalene were detected above AWQS in TW-2. The following concentrations of VOCs were found above the AWQS: benzene (2.7 ug/L), ethylbenzene (12.5 ug/L), toluene (25.2 ug/L), o-xylene (49.1 ug/L), total xylenes (143 ug/L). In addition, naphthalene was found at a concentration of 16.3 ug/L. Metals were not analyzed for this sample due to the high turbidity and limited sample volume.

As shown on **Table 3.4** below, several metals including arsenic, barium, chromium, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, sodium, and zinc were detected at concentrations exceeding the AWQS in the groundwater samples. The presence of these contaminants is potentially attributable to sample turbidity from temporary wells. Additionally, iron, magnesium, manganese, and sodium are secondary concern metals, and the standards are not health based.

Pesticides and PCBs were not detected above their respective AWQS in the groundwater samples. PFAS and 1,4-dioxane were detected in both TW-1 and TW-2 below screening levels established in NYSDEC's June 2021 Sampling, Analysis, and Assessment of PFAS document.

Table 3.4 - Groundwater Sample Exceedances

Client Sample ID:			TW-1	TW-2
Lab Sample ID:	11.26	NY GA	JD31011-1 &	JD31011-2 &
Lab Sample ID.	Units	AWQS	JD31011-1A	JD31011-2A
Date Sampled:			9/3/2021	9/3/2021
Matrix:			Groundwater	Groundwater
MS Volatiles (SW846 82	260D)			
Benzene	ug/l	1	2.2	2.7
Ethylbenzene	ug/l	5	12.2	12.5
Toluene	ug/l	5	11.1	25.2
o-Xylene	ug/l	5	18.2	49.1
Xylene (total)	ug/l	5	62.9	143
MS Semi-volatiles (SW	346 8270E)			
Naphthalene	ug/l	10	4.7	16.3
	· · · · · · · · · · · · · · · · · · ·		_	•
Metals Analysis				
Arsenic	ug/l	25	29.6 ^d	NT
Barium	ug/l	1000	4140	NT
			d	NIT
Chromium	ug/l	50	728 ^d	NT
Chromium Copper	ug/l ug/l	50 200	728 ^d	NT NT
	ug/l			
Copper Iron		200	485 ^d	NT
Copper Iron Lead	ug/l ug/l	200 300	485 ^d 602000	NT NT
Copper	ug/l ug/l ug/l	200 300 25	485 ^d 602000 194 ^d	NT NT NT
Copper Iron Lead Manganese	ug/l ug/l ug/l ug/l	200 300 25 300	485 ^d 602000 194 ^d 9180 ^d	NT NT NT

Notes:

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

- = No AWQS established

J = The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL)

NT = Not Tested

- $^{\rm a}$ = Associated CCV outside of control limits high, sample was ND.
- ^b = Associated CCV outside of control limits low.
- ^c = Associated ID Standard outside control limits due to matrix interference. Confirmed by reanalysis.
- $^{\rm d}$ = Elevated detection limit due to dilution required for high interfering element.
- = Compound was detected
- = Concentration of compound exceeds the NY TOGs Class GA GW or associated Guidance (noted as AWQS)

3.3 SOIL GAS AND AMBIENT AIR INVESTIGATION

Five (5) soil gas samples and one (1) outdoor ambient air sample were collected and analyzed for volatile vapors by U.S. EPA Method TO-15. **Table 3.5** presents a summary of soil gas and ambient air analytical data. The soil gas and ambient air analytical laboratory deliverable report is included in **Appendix D**. A soil gas and ambient air sample location plan and summary of the results is presented in **Figure 3.2**.

Although New York State does not have standards for soil vapor, for discussion purposes SESI has used the NYSDOH Matrices lower threshold levels to evaluate the Matrix A, B, and C listed compounds. **Table 3.6** below presents a summary of the soil gas detections and exceedances of the NYSDOH Matrix A Sub-Slab Vapor Concentrations Criteria (NY-SSC-A) and NYSDOH Matrix B Sub-Slab Vapor Concentrations Criteria (NY-SSC-B) lower threshold levels.

Methylene chloride was detected in two (2) samples (SG-3 and SG-5) at concentrations (147 and 504 ug/m³, respectively) above the NY-SSC-B lower threshold. Vinyl chloride was also detected in sample SG-5 at a concentration of 12 ug/m³ above the NY-SSC-C lower threshold. Additional compounds were detected (as depicted in the **Table 3.6** below); however, there are no NYSDOH Matrices exceedances for these compounds. The presence of chlorinated-, solvent-, and petroleum hydrocarbon-related VOCs suggests that an on-Site or nearby source(s) of these compounds is/are present. It is noted that due to the higher detections in SG-1 and SG-4, the laboratory diluted the matrix and minimum detection limits (MDLs) above the matrix standards.

Table 3.6 - Soil Gas and Ambient Air Exceedances

Client Sample ID:	NYSDOH	NYSDOH	NYSDOH	SG-1	SG-2	SG-3	SG-4	SG-5	AA-1
Lab Sample ID:	Matrix A	Matrix B	Matrix C	JD30012-1	JD30012-2	JD30012-3	JD30012-4	JD30012-5	JD30012-6
Date Sampled:] Wattix A	IVIALI IX D	IVIALI IX C	8/16/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021
Matrix:				Soil Vapor	Ambient Air				
MS Volatiles (TO-15) - ug/n	n3								
Acetone (2-Propanone)				20300	164	615	216000	511	7.8
1,3-Butadiene				ND (130)	221	113	ND (690)	143	ND (0.082)
Benzene				8210	37.1	26	28500	48.6	0.42 J
Carbon disulfide				ND (93)	24	9.0 J	ND (500)	17	ND (0.059)
Chloromethane				ND (41)	6.4 J	ND (0.64)	ND (210)	19	0.85
Carbon tetrachloride	6			ND (190)	ND (3.0)	ND (3.0)	ND (1000)	ND (3.0)	0.43
Cyclohexane				ND (96)	ND (1.5)	ND (1.5)	888000	17	ND (0.062)
Dichlorodifluoromethane				ND (100)	ND (1.6)	ND (1.6)	ND (540)	ND (1.6)	1.8
Ethanol				ND (530)	51.8	360	ND (2800)	383	3.8
Ethylbenzene				5170	39	25	62100	20	0.42 J
Ethyl Acetate				ND (170)	33	66.2	ND (900)	34	6.1
4-Ethyltoluene				ND (190)	30	ND (2.9)	ND (980)	ND (2.9)	ND (0.12)
Heptane				68800	41	27	2490000	27	1.6
Hexane				133000	93.8	44.8	4830000	51.1	2.9
2-Hexanone				ND (190)	ND (3.0)	62.6	ND (1000)	ND (3.0)	ND (0.12)
Isopropyl Alcohol				ND (200)	33.7	221	ND (1100)	415	0.74
Methylene chloride		100		ND (66)	67	147	ND (340)	504	1.4
Methyl ethyl ketone				ND (160)	112	442	ND (830)	472	0.86
Methyl Isobutyl Ketone				ND (190)	18	25	ND (980)	27	ND (0.12)
Propylene				605 J	3320	742	ND (190)	989	ND (0.022)
1,2,4-Trimethylbenzene				ND (210)	33	ND (3.2)	ND (1100)	ND (3.2)	0.88
1,3,5-Trimethylbenzene				ND (210)	9.3 J	ND (3.3)	ND (1100)	ND (3.3)	ND (0.13)
2,2,4-Trimethylpentane				403000	46	27	395000	14 J	0.93
Tertiary Butyl Alcohol				ND (55)	30	57.9	ND (280)	58.5	ND (0.033)
Tetrachloroethylene		100		ND (260)	ND (4.2)	ND (4.2)	ND (1400)	ND (4.2)	0.21 J
Tetrahydrofuran				ND (190)	ND (2.9)	24	ND (1000)	ND (2.9)	ND (0.12)
Toluene				2860	193	170	211000	159	1.3
Trichlorofluoromethane				ND (200)	ND (3.1)	ND (3.1)	ND (1100)	ND (3.1)	1.3
Vinyl chloride			6	ND (74)	ND (1.2)	ND (1.2)	ND (380)	12	ND (0.046)
m,p-Xylene				6120	154	89.9	113000	62.5	1.5
o-Xylene				1750	47.3	28	24200	22	0.52 J
Xylenes (total)	1			7860	202	119	137000	84.3	2

Notes:

NYSDOH Matrix A - NYSDOH Matrix A Sub-slab Vapor Concentration Criteria Lower Threshold NYSDOH Matrix B - NYSDOH Matrix B Sub-slab Vapor Concentration Criteria Lower Threshold

NYSDOH Matrix C - NYSDOH Matrix C Sub-slab Vapor Concentration Criteria Lower Threshold

J - Estimate value

ND - Compound not detected

ug/m³ - Micrograms per cubic meter

Compound was detected

Concentration of compound exceeds the NYSDOH Matrix A Sub-Slab Vapor Concentrations Criteria

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on soil borings conducted during this investigation, brown-gray sand with silt and some gravel was generally present throughout the Site at depths of 0 to 10 feet bgs. Interbedded layers of brown silt with gravel and brown clay with silt and gravel (weathered bedrock) were encountered from approximately 10 to 45 feet bgs. Tan to orange unconsolidated till was encountered between 45 and 50 feet bgs. Groundwater was encountered between approximately 29 and 34 feet bgs.

Based on the sampling conducted as part of this Phase II investigation, it is evident that contamination of the soil, groundwater, and soil gas is present at the Site, as summarized below:

- Soil: The VOCs m,p-Xylene and total Xylenes as well as the metal arsenic were detected
 in soil above their respective RRSCOs. The VOCs benzene, ethylbenzene, toluene, oXylene, and acetone, the SVOC naphthalene, and the metals copper, iron, selenium, and
 silver were detected in soil above their respective USCOs.
- Groundwater: BTEX were detected in groundwater above their respective AWQS. The
 SVOC naphthalene was detected in groundwater above the AWQS. The metals arsenic,
 barium, chromium, copper, iron, lead, manganese, nickel, silver and sodium were
 detected in groundwater above their respective AWQS.
- Soil Gas: The VOC methylene chloride was detected in soil gas above the NY-SSC-B
 lower threshold and vinyl chloride was detected in soil gas above the NY-SSC-C lower
 threshold. Additional compounds were detected; however, there are no NYSDOH Matrices
 exceedances for these compounds. The presence of chlorinated-, solvent-, and petroleum
 hydrocarbon-related VOCs suggests that an on-Site or nearby source(s) of these
 compounds is/are present.

Petroleum-related impacts in soil are generally located within the vicinity of the historical filling station pads and UST removal area in the northwest of the Site (AOC-1) and the former UST removal area in the northeast of the Site (AOC-5). Furthermore, the groundwater and soil gas samples collected from the vicinity of AOC-1 and AOC-5 exhibit petroleum-related exceedances of the AWQS in groundwater and high detections of petroleum-related compounds in soil gas.

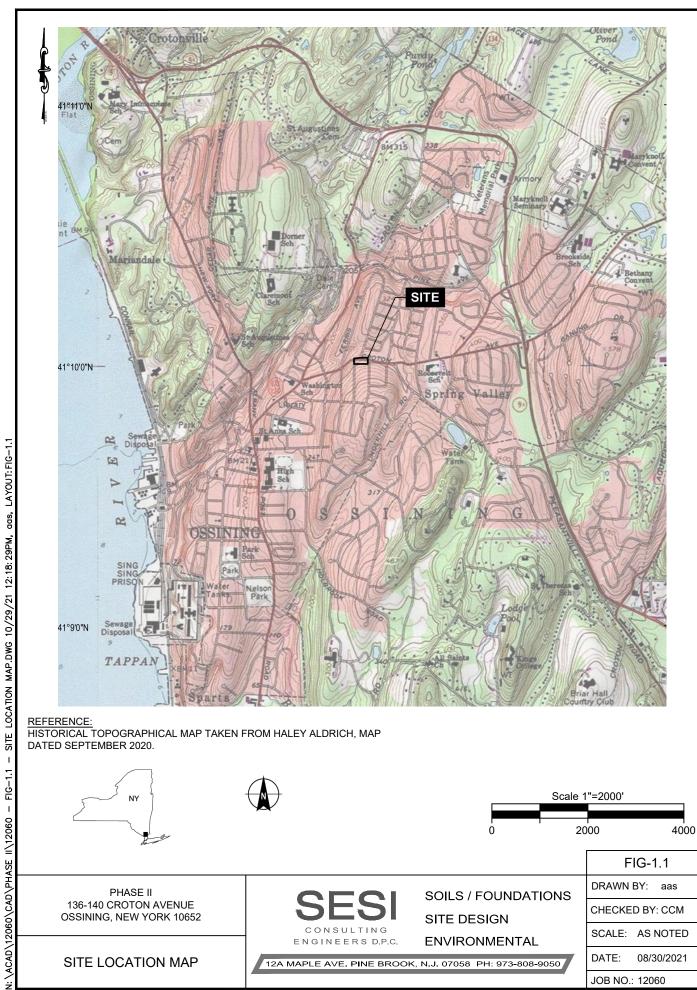
Soil gas samples within the central and southern portions of the Site exhibit detections of not only petroleum-related VOCs, but also chlorinated-VOCs.

November 2021 SESI Project No. 12060 Page 19 of 16

With the exception of copper and acetone detected in exceedance of USCOs in samples SB-14 and SB-5, respectively, the soil samples collected across the remainder of the Site (outside of the vicinity of AOC-1 and AOC-5) did not exhibit exceedances of the USCOs or RRSOs. Two (2) subsurface anomalies, indicative of potential USTs, were identified during the Geophysical Survey conducted at the Site, identified as **AOC-2A** and **AOC-2B**. The soil samples collected within the vicinity of the potential USTs did not exhibit evidence of contamination; however, additional investigation is required to confirm whether USTs are not leaking and to property remove them from the Site.

Additional investigation is required to fully characterize the nature and extent of the contamination identified in the Site soil, groundwater, and soil gas across the Site. Remediation of the soil, groundwater, and soil vapor will be needed prior to Site development.





PHASE II 136-140 CROTON AVENUE OSSINING, NEW YORK 10652

CONSULTING ENGINEERS D.P.C.

SOILS / FOUNDATIONS SITE DESIGN **ENVIRONMENTAL**

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

FIG-1.1

DRAWN BY: aas

CHECKED BY: CCM

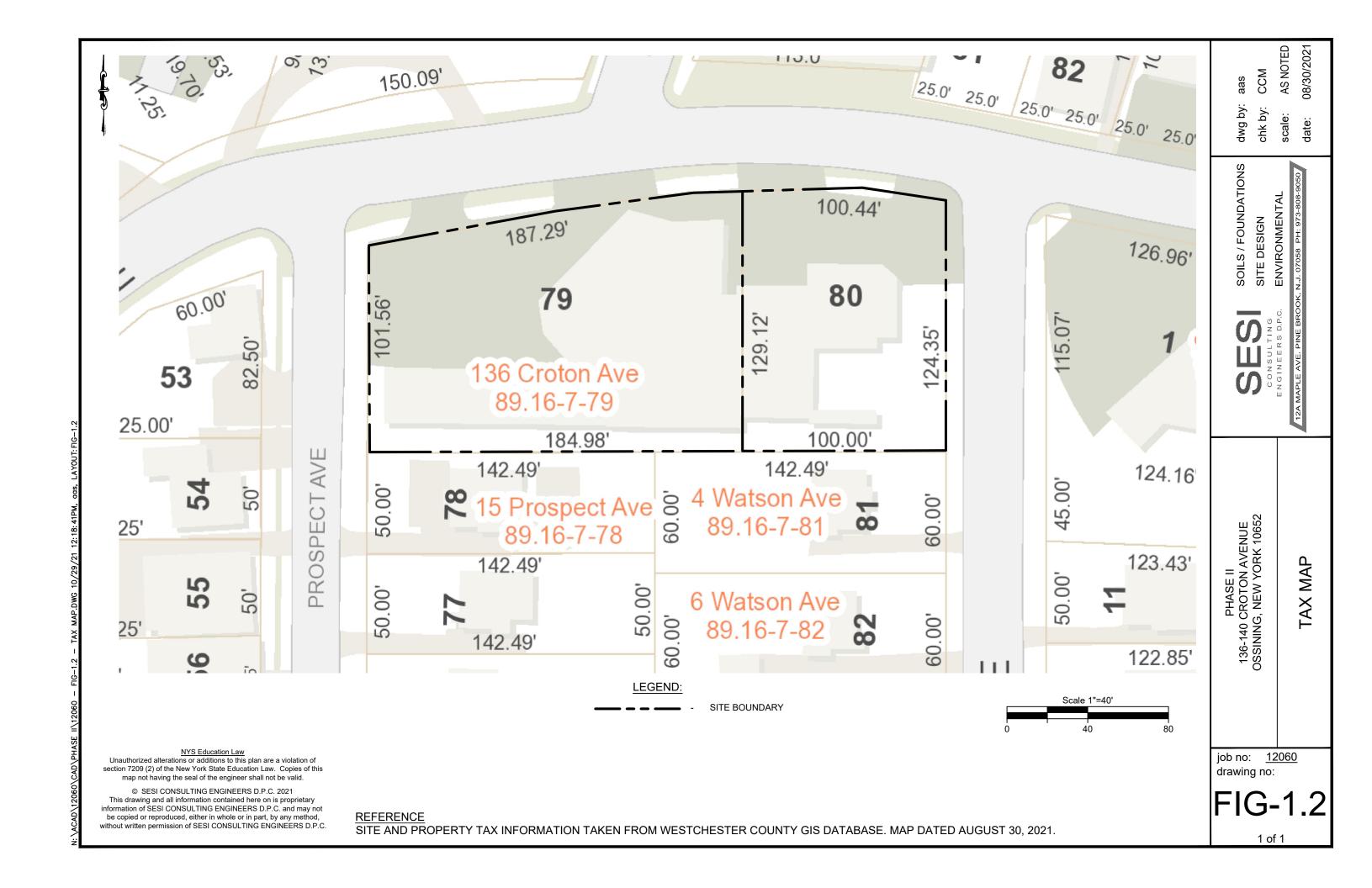
SCALE: AS NOTED

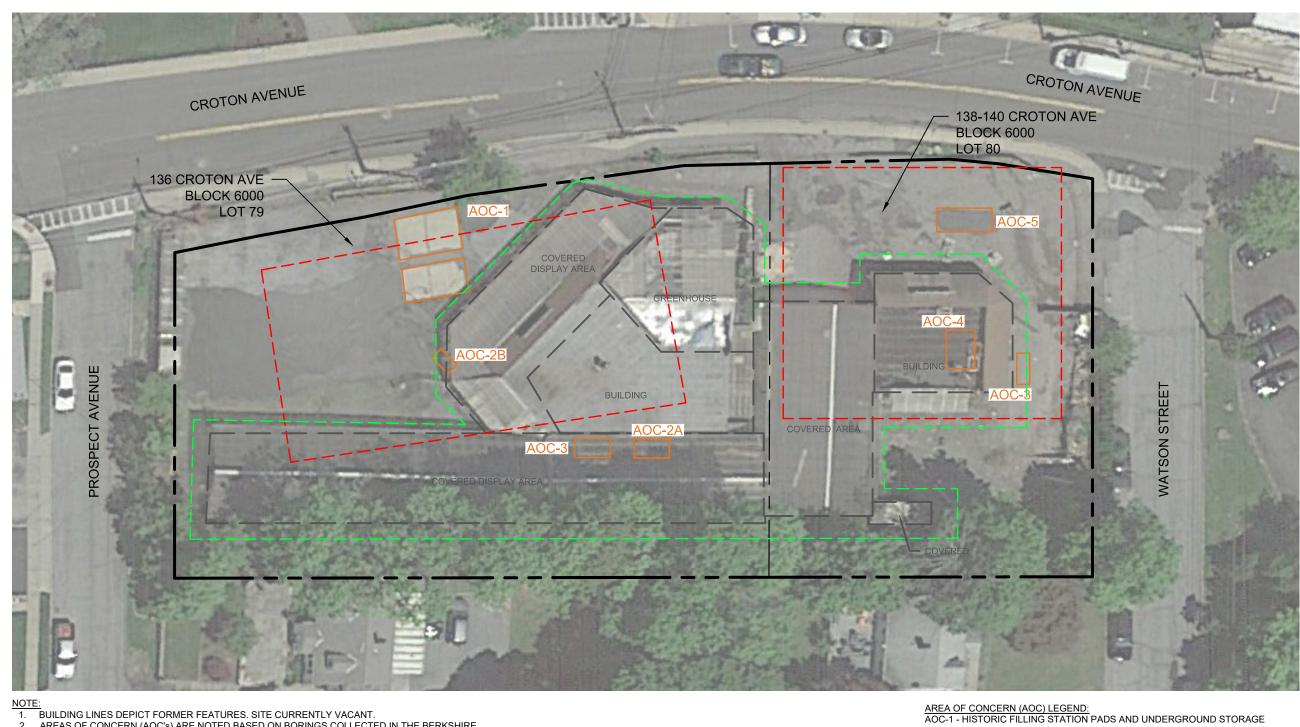
DATE:

08/30/2021

JOB NO.: 12060

SITE LOCATION MAP





- BUILDING LINES DEPICT FORMER FEATURES. SITE CURRENTLY VACANT.
- AREAS OF CONCERN (AOC's) ARE NOTED BASED ON BORINGS COLLECTED IN THE BERKSHIRE ENVIRONMENTAL SERVICES TECHNOLOGY LLC PHASE II INVESTIGATION IN 2017.

 3. AOC'S ARE APPROXIMATE LOCATIONS AND NOT CLEARLY IDENTIFIED IN 2017.

LEGEND:



SITE BOUNDARY

FORMER BUILDING OUTLINE



APPROX. LOCATION OF AOC



- APPROXIMATE LOCATION OF REC-1

APPROXIMATE LOCATION OF REC-2

RECOGNIZED ENVIRONMENTAL CONDITIONS (REC) LEGEND:

AOC-3 - HISTORIC ABOVEGROUND STORAGE TANK (AST)

REC-1 - FORMER GASOLINE STATION AND AUTOMOBILE REPAIR GARAGE

REC-2 - FORMER NURSERY OPERATIONS

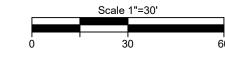
TANK (UST) REMOVAL AREA AOC-2A - POTENTIAL UST GPR ANOMOLY 1

AOC-2B - POTENTIAL UST GPR ANOMOLY 2

AOC-4 - HISTORIC HYDRAULIC LIFT AREA AOC-5 - HISTORIC UST REMOVAL AREA

REC-3 - FORMER POTENTIAL UST's AND/OR AST's (SITE-WIDE)

REC-4 - HISTORICAL SPILL #9613901 (NOT DEPICTED)



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Unauthorized alterations or additions to this plan are a violation of

REFERENCE

AERIAL IMAGE TAKEN FROM GOOGLE MAPS, IMAGE DATED 2019.

REC/AOON MAP PHASE II 136-140 CROTON AVENUE OSSINING, NEW YORK 10652 % N N PLAN

OCATI

AS NOTED

ENVIRONMENTAL

SITE DESIGN

dwg by:

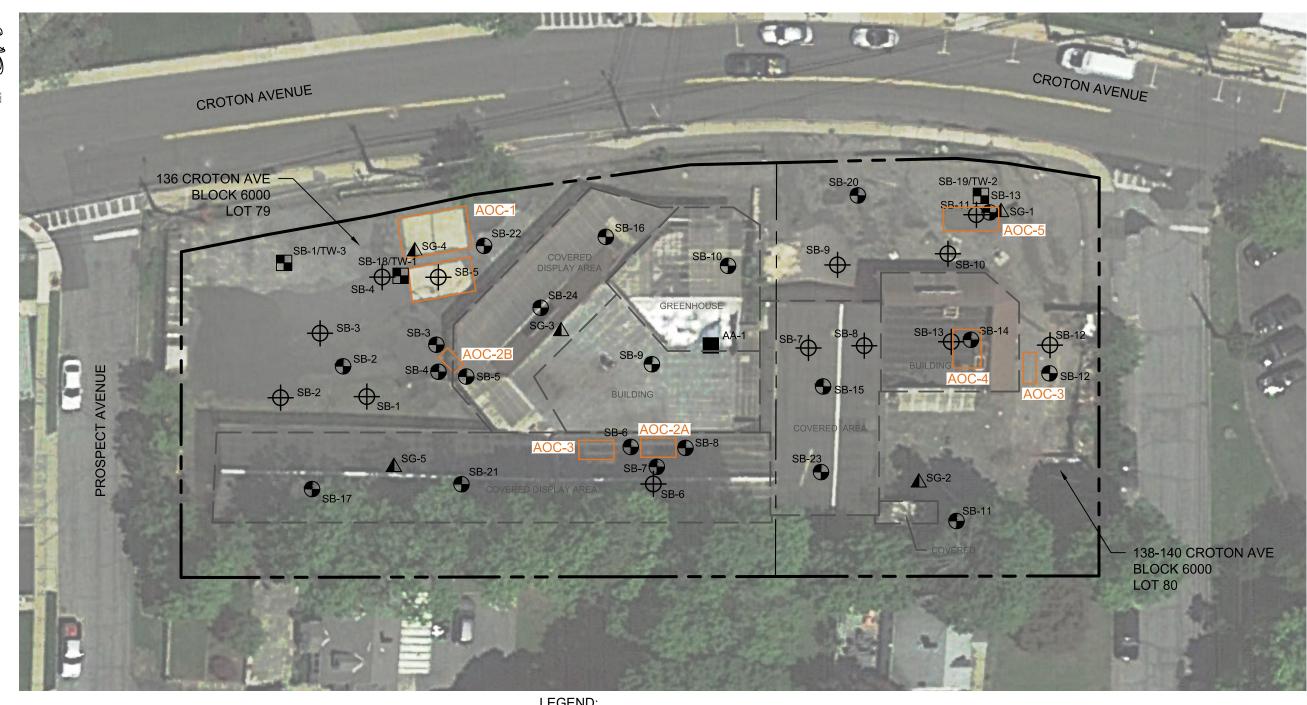
SOILS / FOUNDATIONS

chk by:

Ш S

job no: <u>12060</u> drawing no:

FIG-1.3



THIS PLAN IS FOR LOCATING SOIL SAMPLES ONLY.

- OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
- 2017 RRSCO EXCEEDANCES OF BENZENE (SB-4 [2-4]) AND 1,2,4-TRIMETHYLBENZENE (SB-11 [2-4])
- 2017 UUSCO EXCEEDANCES SB-4 (2-4), SB-3 (10-12), SB-5 (2-4), AND SB-11 (2-4)
- BUILDING DEPICTS FORMER FEATURES. SITE CURRENTLY VACANT.

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LEGEND:

SITE BOUNDARY

FORMER BUILDING OUTLINE

2017 BERKSHIRE INVESTIGATION

SOIL BORINGS NUMBER & APPROX. LOCATION

PROPOSED SOIL GAS POINTS NUMBER & APPROX. LOCATION

AMBIENT AIR POINT

APPROX. LOCATION OF AOC

APPROX. LOCATION OF TEMPORARY WELL & SOIL BORING

REFERENCE AERIAL IMAGE TAKEN FROM GOOGLE MAPS, IMAGE DATED 2019.

- AOC NOTES:

 1. BUILDING LINES DEPICT FORMER FEATURES. SITE
- CURRENTLY VACANT.
 AREAS OF CONCERN (AOC's) ARE NOTED BASED ON BORINGS
 COLLECTED IN THE BERKSHIRE ENVIRONMENTAL SERVICES TECHNOLOGY LLC PHASE II INVESTIGATION IN 2017.
- AOC'S ARE APPROXIMATE LOCATIONS AND NOT CLEARLY IDENTIFIED IN 2017.

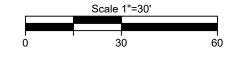
AOC-1 - HISTORIC FILLING STATION PADS AND UNDERGROUND STORAGE TANK (UST) REMOVAL AREA

AOC-2A - POTENTIAL UST GPR ANOMOLY 1 AOC-2B - POTENTIAL UST GPR ANOMOLY 2

AOC-3 - HISTORIC ABOVEGROUND STORAGE TANK (AST)

AOC-4 - HISTORIC HYDRAULIC LIFT AREA

AOC-5 - HISTORIC UST REMOVAL AREA



PHASE II 136-140 CROTON AVENUE OSSINING, NEW YORK 10652

MAP

CATION

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SAMPLE

AS NOTED 09/17/2021

ENVIRONMENTAL

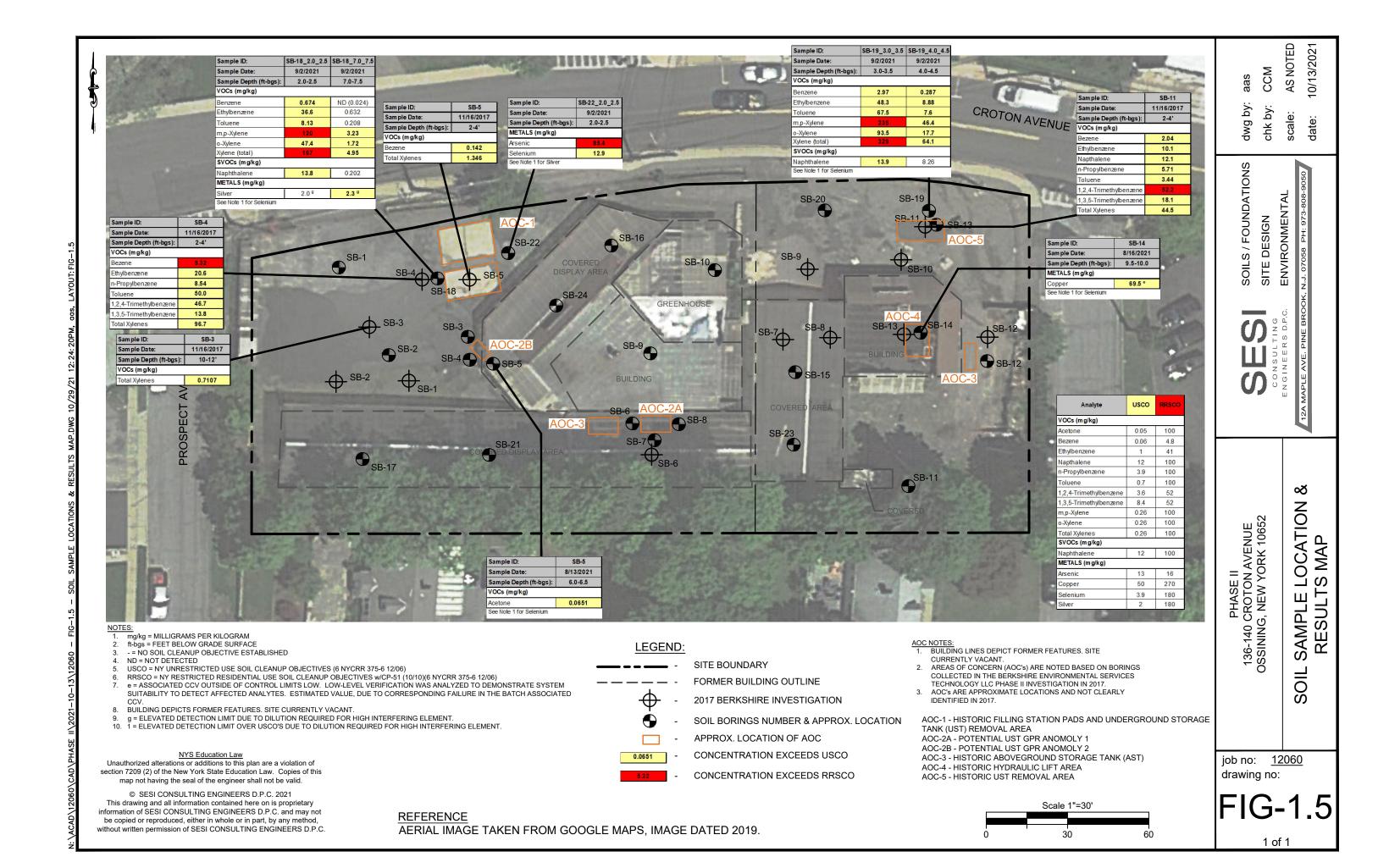
SITE DESIGN

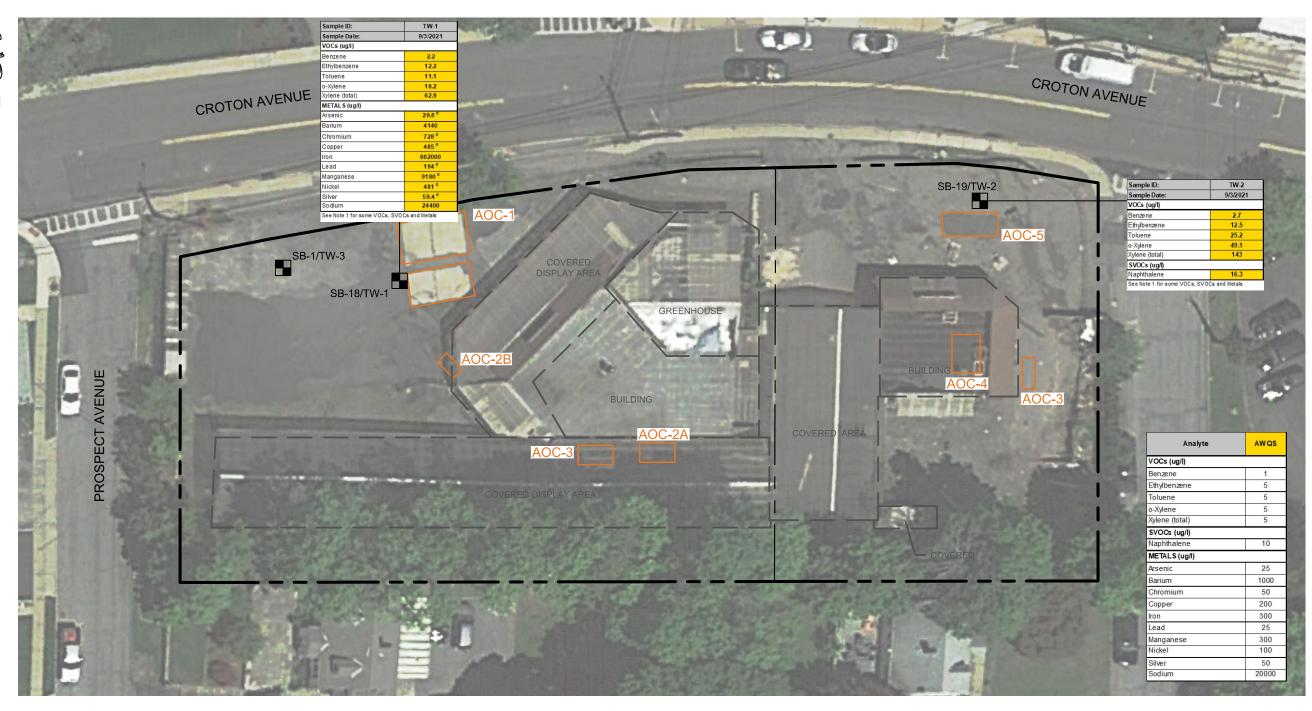
dwg by: chk by:

SOILS / FOUNDATIONS

job no: <u>12060</u> drawing no:

|FIG-1.4





- NYSDEC = NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
- AWQS = AMBIENT WATER QUALITY STANDARDS
 ug/L = MICROGRAMS PER LITER
- NT = NOT TESTED
- 1 = DETECTION LIMIT EXCEEDS AWQS FOR SOME VOC's, SVOC's AND METALS
- d = ELEVATED DETECTION LIMIT DUE TO DILUTION REQUIRED FOR HIGH INTERFERING ELEMENT

NYS Education Law

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LEGEND:

SITE BOUNDARY

FORMER BUILDING OUTLINE

APPROX. LOCATION OF AOC

AERIAL IMAGE TAKEN FROM GOOGLE MAPS, IMAGE DATED 2019.

APPROX. LOCATION OF TEMPORARY WELL & SOIL BORING

REFERENCE

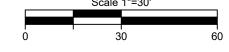
CONCENTRATION OF COMPOUND EXCEEDS THE NY TOG's CLASS GA GW OR ASSOCIATED GUIDANCE (NOTED AS AWQS)

- CURRENTLY VACANT.

AOC-1 - HISTORIC FILLING STATION PADS AND UNDERGROUND STORAGE

AOC-2B - POTENTIAL UST GPR ANOMOLY 2

AOC-5 - HISTORIC UST REMOVAL AREA



AOC NOTES:

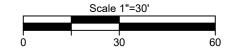
1. BUILDING LINES DEPICT FORMER FEATURES. SITE

2. AREAS OF CONCERN (AOC's) ARE NOTED BASED ON BORINGS COLLECTED IN THE BERKSHIRE ENVIRONMENTAL SERVICES TECHNOLOGY LLC PHASE II INVESTIGATION IN 2017.

3. AOC's ARE APPROXIMATE LOCATIONS AND NOT CLEARLY

TANK (UST) REMOVAL AREA AOC-2A - POTENTIAL UST GPR ANOMOLY 1

AOC-3 - HISTORIC ABOVEGROUND STORAGE TANK (AST) AOC-4 - HISTORIC HYDRAULIC LIFT AREA



AS NOTED 0/13/2021 М chk by:

SOILS / FOUNDATIONS SITE DESIGN

dwg by:

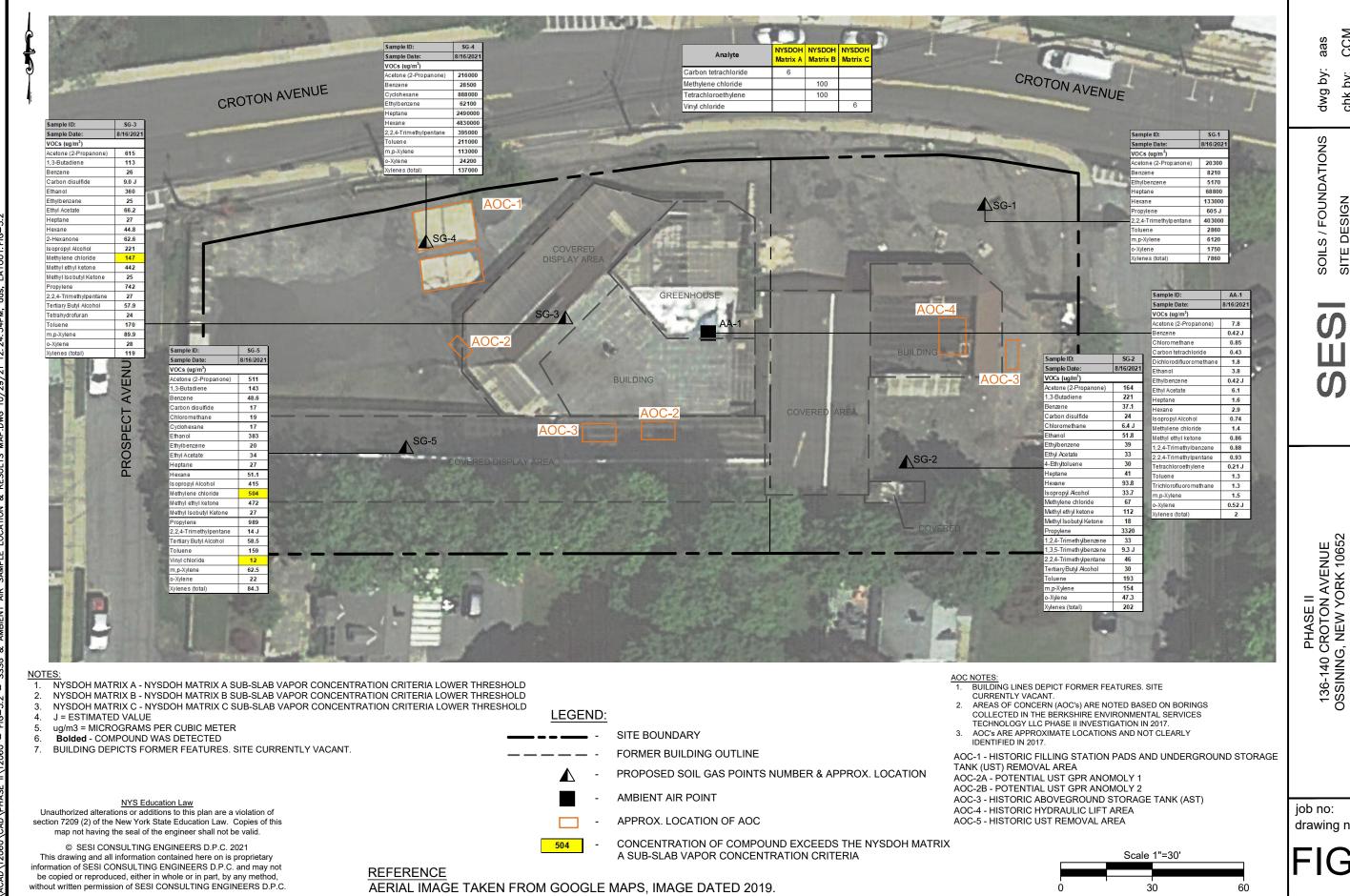
ENVIRONMENTAL

MAP SAMPLE လ ER \overline{S} GROUNDWAT ~ ∞୪ LOCATION

job no: <u>12060</u> drawing no:

PHASE II 136-140 CROTON AVENUE OSSINING, NEW YORK 10652

FIG-3.1



AS NOTED 09/01/2021

CCM dwg by:

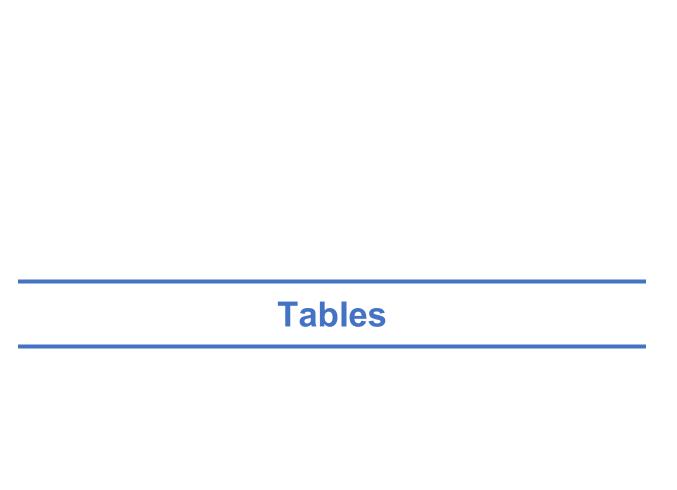
chk by:

SOILS / FOUNDATIONS ENVIRONMENTAL SITE DESIGN

SAMP MAP AIR SUL **AMBIENT** Ш $\overline{\mathbf{C}}$ ∞୪ OCATION ∞୪ ഗ GA

job no: <u>12060</u> drawing no:

FIG-3.2



Client Sample ID:				SB-1 (6-6.5)	SB-2 (4.5-5.0)	SB-3 (6-6.5)	SB-5 (6-6.5)	SB-6 (9.5-10.0)	SB-8 (9.5-10.0)	SB-9 (7.5-8.0)	SB-10 (7.5-8.0)	SB-11(4.5-5.0)	SB-12(1.0-1.5)	SB-14(9.5-10.0)	SB-15(2.5-3.5)
Lab Sample ID:		usco	RRSCO	JD29923-1	JD29923-2	JD29923-3	JD29923-4	JD29923-5	JD29923-6	JD29923-7	JD29923-8	JD30019-1	JD30019-2	JD30019-3	JD30019-4
Date Sampled:		0000	111000	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021
Matrix:	1			Soil											
Sample Depth:	Units			6-6.5'	4.5-5.0'	6-6.5'	6-6.5'	9.5-10.0'	9.5-10.0'	7.5-8.0'	7.5-8.0'	4.5-5.0'	1.0-1.5'	9.5-10.0'	2.5-3.5'
Sample Deptil.	Units			0-0.5	4.5-5.0	0-0.5	0-0.5	9.5-10.0	9.5-10.0	7.5-0.0	7.5-0.0	4.5-5.0	1.0-1.5	9.5-10.0	2.0-0.0
MS Volatiles (SW846 8260D)															
Acetone	mg/kg	0.05	100	ND (0.0054)	0.0071 J	0.0061 J	0.0651	0.0053 J	ND (0.0051)	ND (0.0040)	ND (0.0048)	ND (0.0037)	ND (0.0050)	0.0285	ND (0.0037)
Benzene	mg/kg	0.06	4.8	ND (0.00059)	ND (0.00061)	ND (0.00041)	ND (0.00052)	ND (0.00042)	ND (0.00057)	ND (0.00044)	ND (0.00052)	ND (0.00041)	ND (0.00055)	0.00087	ND (0.00040)
Bromochloromethane	mg/kg	-	-	ND (0.00073)	ND (0.00075)	ND (0.00051)	ND (0.00064)	ND (0.00051)	ND (0.00070)	ND (0.00054)	ND (0.00064)	ND (0.00051)	ND (0.00068)	ND (0.00076)	ND (0.00050)
Bromodichloromethane	mg/kg	-	-	ND (0.00056)	ND (0.00057)	ND (0.00039)	ND (0.00049)	ND (0.00039)	ND (0.00053)	ND (0.00041)	ND (0.00049)	ND (0.00039)	ND (0.00052)	ND (0.00058)	ND (0.00038)
Bromoform	mg/kg	-	-	ND (0.0018)	ND (0.0018)	ND (0.0012)	ND (0.0015)	ND (0.0012)	ND (0.0017)	ND (0.0013)	ND (0.0016)	ND (0.0012)	ND (0.0017)	ND (0.0019)	ND (0.0012)
Bromomethane	mg/kg	_	_	ND (0.0010)	ND (0.0010)	ND (0.00070)	ND (0.00087)	ND (0.00070)	ND (0.00095)	ND (0.00074)	ND (0.00088) a	ND (0.00069)	ND (0.00093)	ND (0.0010)	ND (0.00068)
2-Butanone (MEK)	mg/kg	0.12	100	ND (0.0032)	ND (0.0032)	ND (0.0022)	0.0097 J	ND (0.0022)	ND (0.0030)	ND (0.0023) °	ND (0.0028)	ND (0.0022) °	ND (0.0030) °	ND (0.0033)	ND (0.0022) °
Carbon disulfide	mg/kg	-	-	ND (0.00070)	ND (0.00071)	ND (0.0022)	0.00066 J	0.00052 J	ND (0.00067)	ND (0.0023)	ND (0.0026)	ND (0.0022)	ND (0.00065)	0.0047	ND (0.0022)
Carbon tetrachloride	mg/kg	0.76	2.4	ND (0.00070)	ND (0.00082)	ND (0.00056)	ND (0.00070)	ND (0.00057)	ND (0.00077)	ND (0.00060)	ND (0.00071)	ND (0.00056)	ND (0.00075)	ND (0.00084)	ND (0.00055)
Chlorobenzene	mg/kg	1.1	100	ND (0.00061)	ND (0.00061)	ND (0.00030)	ND (0.00070)	ND (0.00037)	ND (0.00077)	ND (0.00044)	ND (0.00071)	ND (0.00030)	ND (0.00073)	ND (0.00062)	ND (0.00033)
Chloroethane	mg/kg	- ''	100	ND (0.00077)	ND (0.00079)	ND (0.00042)	ND (0.00067)	ND (0.00042)	ND (0.00037)	ND (0.00057)	ND (0.00068)	ND (0.00053)	ND (0.00030)	ND (0.00080)	ND (0.00053)
Chloroform	mg/kg	0.37	49	ND (0.00077)	ND (0.00079)	ND (0.00034)	ND (0.00059)	ND (0.00034)	ND (0.00075)	ND (0.00057)	ND (0.00060)	ND (0.00033)	ND (0.00072)	ND (0.00071)	ND (0.00033)
Chloromethane	mg/kg	-	-	ND (0.0026)	ND (0.0026)	ND (0.0018)	ND (0.0022)	ND (0.0018)	ND (0.0024)	ND (0.0009)	ND (0.0023)	ND (0.00047)	ND (0.0024)	ND (0.0027)	ND (0.0017)
Cyclohexane	mg/kg		<u> </u>	ND (0.0026)	ND (0.0020)	ND (0.00060)	ND (0.0022)	ND (0.00060)	ND (0.0024)	ND (0.0019)	ND (0.0023)	ND (0.0010)	ND (0.0024)	ND (0.0027)	ND (0.00058)
1,2-Dibromo-3-chloropropane	mg/kg			ND (0.00090)	ND (0.00092)	ND (0.00063)	ND (0.00079)	ND (0.00064)	ND (0.00086)	ND (0.00067)	ND (0.00073)	ND (0.00063)	ND (0.00084)	ND (0.00094)	ND (0.00062)
Dibromochloromethane	mg/kg		<u> </u>	ND (0.00030)	ND (0.00032)	ND (0.00051)	ND (0.00079)	ND (0.00051)	ND (0.00070)	ND (0.00054)	ND (0.00064)	ND (0.00051)	ND (0.00068)	ND (0.00094)	ND (0.00050)
1,2-Dibromoethane	mg/kg		-	ND (0.00075)	ND (0.00075)	ND (0.00031)	ND (0.0004)	ND (0.00031)	ND (0.00070)	ND (0.00034)	ND (0.0004)	ND (0.00031)	ND (0.00051)	ND (0.00070)	ND (0.00037)
1,2-Dichlorobenzene	mg/kg	1.1	100	ND (0.00033)	ND (0.00030)	ND (0.00050)	ND (0.00043)	ND (0.00059)	ND (0.00032)	ND (0.00041)	ND (0.00043)	ND (0.00030)	ND (0.00061)	ND (0.00037)	ND (0.00037)
1,3-Dichlorobenzene	mg/kg	2.4	49	ND (0.00065)	ND (0.00066)	ND (0.00035)	ND (0.00056)	ND (0.00035)	ND (0.00062)	ND (0.00048)	ND (0.00057)	ND (0.00045)	ND (0.00060)	ND (0.00074)	ND (0.00044)
1,4-Dichlorobenzene	mg/kg	1.8	13	ND (0.00064)	ND (0.00066)	ND (0.00045)	ND (0.00056)	ND (0.00045)	ND (0.00061)	ND (0.00048)	ND (0.00057)	ND (0.00045)	ND (0.00060)	0.00067 J	ND (0.00044)
Dichlorodifluoromethane	mg/kg	-	-	ND (0.00095) a	ND (0.00097) ^a	ND (0.00066) ^a	ND (0.00083) ^a	ND (0.00067) ^a	ND (0.00090) ^a	ND (0.00070)	ND (0.00084) ^a	ND (0.00066)	ND (0.00088)	ND (0.00099) ^a	ND (0.00065)
1,1-Dichloroethane	mg/kg	0.27	26	ND (0.00093)	ND (0.00097)	ND (0.00045)	ND (0.00056)	ND (0.00045)	ND (0.00090)	ND (0.00070)	ND (0.00057)	ND (0.00045)	ND (0.00060)	ND (0.00099)	ND (0.00044)
1,2-Dichloroethane	mg/kg	0.02	3.1	ND (0.00061)	ND (0.00063)	ND (0.00043)	ND (0.00053)	ND (0.00043)	ND (0.00058)	ND (0.00045)	ND (0.00054)	ND (0.00043)	ND (0.00057)	ND (0.00064)	ND (0.00044)
1,1-Dichloroethene	mg/kg	0.02	100	ND (0.00085)	ND (0.00087)	ND (0.00043)	ND (0.00033)	ND (0.00043)	ND (0.00030)	ND (0.00043)	ND (0.00034)	ND (0.00042)	ND (0.00080)	ND (0.00089)	ND (0.00058)
cis-1,2-Dichloroethene	mg/kg	0.35	100	ND (0.00003)	ND (0.00007)	ND (0.00076)	ND (0.00074)	ND (0.000077)	ND (0.00001)	ND (0.00081)	ND (0.00073)	ND (0.00039)	ND (0.0000)	ND (0.0003)	ND (0.00035)
trans-1,2-Dichloroethene	mg/kg	0.19	100	ND (0.00080)	ND (0.00081)	ND (0.00076)	ND (0.00069)	ND (0.00077)	ND (0.0076)	ND (0.00059)	ND (0.00037)	ND (0.00076)	ND (0.00074)	ND (0.00083)	ND (0.00073)
1,2-Dichloropropane	mg/kg	-	-	ND (0.00062)	ND (0.00063)	ND (0.00030)	ND (0.00054)	ND (0.00030)	ND (0.00070)	ND (0.00039)	ND (0.00070)	ND (0.00033)	ND (0.00074)	ND (0.00064)	ND (0.00034)
cis-1,3-Dichloropropene	mg/kg			ND (0.00062)	ND (0.00063)	ND (0.00043)	ND (0.00054)	ND (0.00044)	ND (0.00059)	ND (0.00046)	ND (0.00055)	ND (0.00043)	ND (0.00058)	ND (0.00065)	ND (0.00042)
trans-1,3-Dichloropropene	+		-	<u> </u>	ND (0.00061)	ND (0.00043)	ND (0.00052)	ND (0.00044)	ND (0.00057)	ND (0.00044) °	ND (0.00053)	ND (0.00043)	<u> </u>	ND (0.00062)	<u> </u>
	mg/kg	- 1	41	ND (0.00060)	(/	· ,		(/	ND (0.00057)	,	ND (0.00052)	,	ND (0.00056) °		ND (0.00041) °
Ethylbenzene	mg/kg	<u> </u>	41	ND (0.00059)	ND (0.00060)	ND (0.00041)	ND (0.00052)	ND (0.00042)	` ′	ND (0.00044)		ND (0.00041)	ND (0.00055)	ND (0.00062)	ND (0.00040)
Freon 113	mg/kg	-	-	ND (0.0035)	ND (0.0036)	ND (0.0024)	ND (0.0030)	ND (0.0024)	ND (0.0033) ND (0.0026)	ND (0.0026) ND (0.0020)	ND (0.0031)	ND (0.0024)	ND (0.0032)	ND (0.0036)	ND (0.0024)
2-Hexanone	mg/kg	<u>-</u>	-	ND (0.0028) ND (0.0019)	ND (0.0028)	ND (0.0019)	ND (0.0024)	ND (0.0019) ND (0.0013)	ND (0.0020)	ND (0.0020)	ND (0.0024) ND (0.0016)	ND (0.0019)	ND (0.0026)	ND (0.0029)	ND (0.0019) ND (0.0013)
Isopropylbenzene Methyl Acetate	mg/kg		-	ND (0.0019)	ND (0.0019) ND (0.0019)	ND (0.0013) ND (0.0013)	ND (0.0016) ND (0.0016)	ND (0.0013)	ND (0.0018)	ND (0.0014)	ND (0.0016)	ND (0.0013) ND (0.0013)	ND (0.0017) ND (0.0017)	ND (0.0019) ND (0.0019)	ND (0.0013)
	mg/kg	-	-	ND (0.0018)	` /	ND (0.0013)	` ′	ND (0.0013)	ND (0.0017)	ND (0.0013)	ND (0.0010)	ND (0.0013)	· · /	0.0012 J	ND (0.0078)
Methylcyclohexane	mg/kg	- 0.00			ND (0.0012)	<u> </u>	ND (0.0010)		· '		`		ND (0.0011)		
Methyl Tert Butyl Ether	mg/kg	0.93	100	ND (0.00061)	ND (0.00062)	ND (0.00043)	ND (0.00053)	ND (0.00043)	ND (0.00058)	ND (0.00045) °	ND (0.00054)	ND (0.00042) °	ND (0.00057) °	0.002	ND (0.00042) °
4-Methyl-2-pentanone(MIBK)	mg/kg	-	-	ND (0.0030)	ND (0.0030)	ND (0.0021)	ND (0.0026)	ND (0.0021)	ND (0.0028)	ND (0.0022)	ND (0.0026)	ND (0.0021)	ND (0.0028)	ND (0.0031)	ND (0.0020)
Methylene chloride	mg/kg	0.05	100	ND (0.0034)	ND (0.0035)	ND (0.0024)	ND (0.0030)	ND (0.0024)	ND (0.0032)	ND (0.0025)	ND (0.0030)	ND (0.0024)	ND (0.0032)	0.0055 J	ND (0.0023)
Styrene	mg/kg	-	-	ND (0.00052)	ND (0.00054)	ND (0.00037)	ND (0.00046)	ND (0.00037)	ND (0.00050)	ND (0.00039)	ND (0.00046)	ND (0.00036)	ND (0.00049)	ND (0.00055)	ND (0.00036)
1,1,2,2-Tetrachloroethane	mg/kg	- 1.0	-	ND (0.00078)	ND (0.00080)	ND (0.00054)	ND (0.00068)	ND (0.00055)	ND (0.00074)	ND (0.00058)	ND (0.00069)	ND (0.00054)	ND (0.00073)	ND (0.00081)	ND (0.00053)
Tetrachloroethene	mg/kg	1.3	19	ND (0.00076)	ND (0.00077)	ND (0.00053)	ND (0.00066)	ND (0.00053)	ND (0.00072)	ND (0.00056)	ND (0.00067)	ND (0.00052)	ND (0.00071)	ND (0.00079)	ND (0.00052)
Toluene	mg/kg	0.7	100	ND (0.00068)	ND (0.00070)	ND (0.00048)	ND (0.00060)	ND (0.00048)	ND (0.00065)	ND (0.00051)	ND (0.00060)	ND (0.00047)	ND (0.00064)	0.0012 J	ND (0.00047)
1,2,3-Trichlorobenzene	mg/kg	-	-	ND (0.0033)	ND (0.0033)	ND (0.0023)	ND (0.0028)	ND (0.0023)	ND (0.0031)	ND (0.0024)	ND (0.0029)	ND (0.0023)	ND (0.0030)	ND (0.0034)	ND (0.0022)
1,2,4-Trichlorobenzene	mg/kg	-	-	ND (0.0033)	ND (0.0033)	ND (0.0023)	ND (0.0028)	ND (0.0023)	ND (0.0031)	ND (0.0024)	ND (0.0029)	ND (0.0023)	ND (0.0030)	ND (0.0034)	ND (0.0022)
1,1,1-Trichloroethane	mg/kg	0.68	100	ND (0.00063)	ND (0.00064)	ND (0.00044)	ND (0.00055)	ND (0.00044)	ND (0.00060)	ND (0.00047)	ND (0.00056)	ND (0.00044)	ND (0.00059)	ND (0.00066)	ND (0.00043)
1,1,2-Trichloroethane	mg/kg	-	-	ND (0.00072)	ND (0.00074)	ND (0.00050)	ND (0.00063)	ND (0.00051)	ND (0.00069)	ND (0.00054)	ND (0.00064)	ND (0.00050)	ND (0.00067)	ND (0.00075)	ND (0.00049)

Client Sample ID:				SB-1 (6-6.5)	SB-2 (4.5-5.0)	SB-3 (6-6.5)	SB-5 (6-6.5)	SB-6 (9.5-10.0)	SB-8 (9.5-10.0)	SB-9 (7.5-8.0)	SB-10 (7.5-8.0)	SB-11(4.5-5.0)	SB-12(1.0-1.5)	SB-14(9.5-10.0)	SB-15(2.5-3.5)
Lab Sample ID:		usco	RRSCO	JD29923-1	JD29923-2	JD29923-3	JD29923-4	JD29923-5	JD29923-6	JD29923-7	JD29923-8	JD30019-1	JD30019-2	JD30019-3	JD30019-4
Date Sampled:			1111000	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth:	Units			6-6.5'	4.5-5.0'	6-6.5'	6-6.5'	9.5-10.0'	9.5-10.0'	7.5-8.0'	7.5-8.0'	4.5-5.0'	1.0-1.5'	9.5-10.0'	2.5-3.5'
Campio Bopani	J Onnes			0 0.0	4.0 0.0	0 0.0	0 0.0	0.0 10.0	0.0 10.0	1.0 0.0	1.0 0.0	4.0 0.0	1.0 1.0	0.0 10.0	2.0 0.0
Trichloroethene	mg/kg	0.47	21	ND (0.00099)	ND (0.0010)	ND (0.00069)	ND (0.00087)	ND (0.00070)	ND (0.00095)	ND (0.00074)	ND (0.00088)	ND (0.00069)	ND (0.00093)	ND (0.0010)	ND (0.00068)
Trichlorofluoromethane	mg/kg	-	-	ND (0.00089)	ND (0.00091)	ND (0.00062)	ND (0.00078)	ND (0.00063)	ND (0.00085)	ND (0.00066)	ND (0.00079)	ND (0.00062)	ND (0.00083)	ND (0.00093)	ND (0.00061)
Vinyl chloride	mg/kg	0.02	0.9	ND (0.00063)	ND (0.00064)	ND (0.00044)	ND (0.00055)	ND (0.00044)	ND (0.00060)	ND (0.00046)	ND (0.00055)	ND (0.00043)	ND (0.00059)	ND (0.00065)	ND (0.00043)
m,p-Xylene	mg/kg	0.26	100	ND (0.0012)	ND (0.0012)	ND (0.00082)	ND (0.0010)	ND (0.00082)	ND (0.0011)	ND (0.00087)	ND (0.0010)	ND (0.00081)	ND (0.0011)	0.0015	ND (0.00080)
o-Xylene	mg/kg	0.26	100	ND (0.00060)	ND (0.00061)	ND (0.00042)	ND (0.00052)	ND (0.00042)	ND (0.00057)	ND (0.00044)	ND (0.00053)	ND (0.00041)	ND (0.00056)	ND (0.00062)	ND (0.00041)
Xylene (total)	mg/kg	0.26	100	ND (0.00060)	ND (0.00061)	ND (0.00042)	ND (0.00052)	ND (0.00042)	ND (0.00057)	ND (0.00044)	ND (0.00053)	ND (0.00041)	ND (0.00056)	0.0015	ND (0.00041)
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MS Volatile TIC															
Total TIC, Volatile	mg/kg	-	-	0	0	0	0	0	0	0	0	0	0	0	0
				ļ.	!	!	!			!	!			!	
MS Semi-volatiles (SW846 8270	DE)														
2-Chlorophenol	mg/kg	_	_	ND (0.047)	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.034)	ND (0.018)	ND (0.017)
4-Chloro-3-methyl phenol	mg/kg	-	-	ND (0.058)	ND (0.023)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.022)	ND (0.042)	ND (0.022)	ND (0.021)
2,4-Dichlorophenol	mg/kg		_	ND (0.081)	ND (0.033)	ND (0.031)	ND (0.031)	ND (0.029)	ND (0.031)	ND (0.031)	ND (0.031)	ND (0.030)	ND (0.059)	ND (0.031)	ND (0.030)
2,4-Dimethylphenol	mg/kg	-	_	ND (0.17)	ND (0.068)	ND (0.065)	ND (0.064)	ND (0.062)	ND (0.064)	ND (0.065)	ND (0.065)	ND (0.064)	ND (0.12)	ND (0.065)	ND (0.062)
2,4-Dinitrophenol	mg/kg		_	ND (0.36)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.26)	ND (0.14)	ND (0.13)
4,6-Dinitro-o-cresol	mg/kg	<u> </u>	-	ND (0.30)	ND (0.041)	ND (0.039)	ND (0.038)	ND (0.037)	ND (0.039)	ND (0.039)	ND (0.039)	ND (0.038)	ND (0.20)	ND (0.039)	ND (0.037)
2-Methylphenol	mg/kg	0.33	100	ND (0.060)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.044)	0.0319 J	ND (0.037)
3&4-Methylphenol	mg/kg	-	-	ND (0.000)	ND (0.024)	ND (0.023)	ND (0.023)	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.030)	ND (0.029)	ND (0.057)	ND (0.030)	ND (0.022)
2-Nitrophenol	mg/kg	-	-	ND (0.062)	ND (0.031)	ND (0.030)	ND (0.034)	ND (0.023)	ND (0.034)	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.037)	ND (0.030)	ND (0.029)
4-Nitrophenol	mg/kg	<u> </u>	-	ND (0.002)	ND (0.023)	ND (0.024)	ND (0.096)	ND (0.023)	ND (0.024)	ND (0.024)	ND (0.098)	ND (0.024)	ND (0.18)	ND (0.024)	ND (0.093)
Pentachlorophenol	mg/kg	0.8	6.7	ND (0.089)	ND (0.036)	ND (0.034)	ND (0.034)	ND (0.032)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.034)	ND (0.065)	ND (0.034)	ND (0.033)
Phenol	mg/kg	0.33	100	ND (0.049)	ND (0.020)	ND (0.019)	ND (0.034)	ND (0.032)	ND (0.019)	ND (0.034)	ND (0.019)	ND (0.034)	ND (0.036)	ND (0.019)	ND (0.033)
2,3,4,6-Tetrachlorophenol	mg/kg	-	100	ND (0.049)	ND (0.025)	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.036)	ND (0.019)	ND (0.018)
2,4,5-Trichlorophenol		-	-	ND (0.003)	ND (0.029)	ND (0.024)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.052)	ND (0.024)	ND (0.026)
2,4,6-Trichlorophenol	mg/kg mg/kg		-	ND (0.071)	ND (0.029)	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.027)	ND (0.027)	ND (0.021)	ND (0.032)	ND (0.027)	ND (0.020)
Acenaphthene		20	100	ND (0.033)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.024)	ND (0.022)	ND (0.021)
<u> </u>	mg/kg	100	100	ND (0.033)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.024)	ND (0.013)	ND (0.012) ND (0.018)
Acetaphanana	mg/kg		100		` ′		, ,	, ,	, ,		. ,	, ,		, ,	
Acetophenone Anthracene	mg/kg	100	100	ND (0.020) ND (0.058)	ND (0.0082) ND (0.023)	ND (0.0078) ND (0.022)	ND (0.0077) ND (0.022)	ND (0.0074) ND (0.021)	ND (0.0078) ND (0.022)	ND (0.0079) ND (0.023)	ND (0.0079) ND (0.022)	ND (0.0077) ND (0.022)	ND (0.015) ND (0.042)	ND (0.0079) ND (0.022)	ND (0.0075)
	mg/kg	100	100		` ′	` ,	` ′	` ,	` ′	, ,	` ′	. ,	` ′	, ,	ND (0.021)
Atrazine	mg/kg	-	-	ND (0.040) °	ND (0.016) °	ND (0.016) °	ND (0.015) °	ND (0.015) °	ND (0.015) °	ND (0.016) °	ND (0.016) °	ND (0.015) °	ND (0.030) °	ND (0.016) °	ND (0.015) °
Benzo(a)anthracene	mg/kg	1	1	ND (0.027)	ND (0.011)	0.0113 J	ND (0.010)	ND (0.0098)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	0.0204 J	0.0113 J	ND (0.0099)
Benzo(a)pyrene	mg/kg	1	1	ND (0.043)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.031)	ND (0.017)	ND (0.016)
Benzo(b)fluoranthene	mg/kg	1	1	ND (0.042)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.031)	0.0162 J	ND (0.015)
Benzo(g,h,i)perylene	mg/kg	100	100	ND (0.047)	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	0.0436 J	ND (0.018)	ND (0.017)
Benzo(k)fluoranthene	mg/kg	8.0	3.9	ND (0.044)	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.032)	ND (0.017)	ND (0.016)
4-Bromophenyl phenyl ether	mg/kg	-	-	ND (0.036)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.027)	ND (0.014)	ND (0.014)
Butyl benzyl phthalate	mg/kg	-	-	ND (0.023)	ND (0.0093)	ND (0.0088)	ND (0.0088)	ND (0.0084)	ND (0.0088)	ND (0.0090)	ND (0.0090)	ND (0.0087)	ND (0.017)	ND (0.0089)	ND (0.0085)
1,1'-Biphenyl	mg/kg	-	-	ND (0.013)	ND (0.0052)	ND (0.0050)	ND (0.0049)	ND (0.0047)	ND (0.0049)	ND (0.0050)	ND (0.0050)	ND (0.0049)	ND (0.0095)	ND (0.0050)	ND (0.0048)
Benzaldehyde	mg/kg	-	-	ND (0.023)	ND (0.0095)	ND (0.0090)	ND (0.0089)	ND (0.0086)	ND (0.0090)	ND (0.0091)	ND (0.0091)	ND (0.0088)	ND (0.017)	ND (0.0091)	ND (0.0087)
2-Chloronaphthalene	mg/kg	-	-	ND (0.023)	ND (0.0091)	ND (0.0086)	ND (0.0085)	ND (0.0082)	ND (0.0086)	ND (0.0087)	ND (0.0087)	ND (0.0085)	ND (0.016)	ND (0.0087)	ND (0.0083)
4-Chloroaniline	mg/kg	-	-	ND (0.034)	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.013)
Carbazole	mg/kg	-	-	ND (0.014)	ND (0.0055)	ND (0.0053)	ND (0.0052)	ND (0.0050)	ND (0.0052)	ND (0.0053)	ND (0.0053)	ND (0.0052)	ND (0.010)	ND (0.0053)	ND (0.0051)
Caprolactam	mg/kg	-	-	ND (0.037) ^c	ND (0.015) ^c	ND (0.014) ^c	ND (0.014) ^c	ND (0.014) ^c	ND (0.014) ^c	ND (0.015) ^c	ND (0.014) ^c	ND (0.014) ^d	ND (0.027) ^c	ND (0.014) ^d	ND (0.014) ^d
Chrysene	mg/kg	1	3.9	ND (0.030)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.022)	0.0136 J	ND (0.011)
bis(2-Chloroethoxy)methane	mg/kg	-	-	ND (0.020)	ND (0.0082)	ND (0.0078)	ND (0.0077)	ND (0.0074)	ND (0.0077)	ND (0.0079)	ND (0.0078)	ND (0.0076)	ND (0.015)	ND (0.0078)	ND (0.0075)
bis(2-Chloroethyl)ether	mg/kg	-	-	ND (0.041)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.030)	ND (0.016)	ND (0.015)

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Client Sample ID:				SB-1 (6-6.5)	SB-2 (4.5-5.0)	SB-3 (6-6.5)	SB-5 (6-6.5)	SB-6 (9.5-10.0)	SB-8 (9.5-10.0)	SB-9 (7.5-8.0)	SB-10 (7.5-8.0)	SB-11(4.5-5.0)	SB-12(1.0-1.5)	SB-14(9.5-10.0)	SB-15(2.5-3.5)
Lab Sample ID:		USCO	RRSCO	JD29923-1	JD29923-2	JD29923-3	JD29923-4	JD29923-5	JD29923-6	JD29923-7	JD29923-8	JD30019-1	JD30019-2	JD30019-3	JD30019-4
Date Sampled:				8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth:	Units			6-6.5'	4.5-5.0'	6-6.5'	6-6.5'	9.5-10.0'	9.5-10.0'	7.5-8.0'	7.5-8.0'	4.5-5.0'	1.0-1.5'	9.5-10.0'	2.5-3.5'
·	•				•	•	•	•	•	•	•		•	•	
2,2'-Oxybis(1-chloropropane)	mg/kg	-	-	ND (0.034)	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.025)	ND (0.013)	ND (0.013)
4-Chlorophenyl phenyl ether	mg/kg	-	-	ND (0.031)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.022)	ND (0.012)	ND (0.011)
2,4-Dinitrotoluene	mg/kg	-	-	ND (0.029)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.021)	ND (0.011)	ND (0.011)
2,6-Dinitrotoluene	mg/kg	-	-	ND (0.047)	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018) ^c	ND (0.035) °	ND (0.018) °	ND (0.018) °
3,3'-Dichlorobenzidine	mg/kg	-	-	ND (0.079)	ND (0.032)	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.030)	ND (0.031)	ND (0.031)	ND (0.030)	ND (0.058)	ND (0.030)	ND (0.029)
1,4-Dioxane	mg/kg	0.1	13	ND (0.062)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.046)	ND (0.024)	ND (0.023)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	ND (0.042)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.031)	ND (0.016)	ND (0.015)
Dibenzofuran	mg/kg	7	59	ND (0.038)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.028)	ND (0.015)	ND (0.014)
Di-n-butyl phthalate	mg/kg	-	-	ND (0.015)	ND (0.0062)	ND (0.0059)	ND (0.0059)	ND (0.0056)	ND (0.0059)	ND (0.0060)	ND (0.0060)	ND (0.0058)	0.0304 J	ND (0.0060)	ND (0.0057)
Di-n-octyl phthalate	mg/kg	-	-	ND (0.024)	ND (0.0095)	ND (0.0090)	ND (0.0089)	ND (0.0086)	ND (0.0090)	ND (0.0091)	ND (0.0091)	ND (0.0089)	ND (0.017)	ND (0.0091)	ND (0.0087)
Diethyl phthalate	mg/kg	-	-	ND (0.020)	ND (0.0081)	ND (0.0077)	ND (0.0076)	ND (0.0074)	ND (0.0077)	ND (0.0078)	ND (0.0078)	ND (0.0076)	ND (0.015)	ND (0.0078)	ND (0.0075)
Dimethyl phthalate	mg/kg	-	-	ND (0.017)	ND (0.0068)	ND (0.0065)	ND (0.0064)	ND (0.0062)	ND (0.0064)	ND (0.0065)	ND (0.0065)	ND (0.0064)	ND (0.012)	ND (0.0065)	ND (0.0062)
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	ND (0.022)	ND (0.0089)	ND (0.0085)	ND (0.0084)	ND (0.0081)	ND (0.0084)	ND (0.0086)	ND (0.0086)	ND (0.0083)	ND (0.016)	0.0694 J	ND (0.0082)
Fluoranthene	mg/kg	100	100	ND (0.042)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.031)	0.0177 J	ND (0.016)
Fluorene	mg/kg	30	100	ND (0.043)	ND (0.018)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.032)	ND (0.017)	ND (0.016)
Hexachlorobenzene	mg/kg	0.33	1.2	ND (0.024)	ND (0.0097)	ND (0.0092)	ND (0.0091)	ND (0.0087)	ND (0.0091)	ND (0.0093)	ND (0.0093)	ND (0.0090)	ND (0.017)	ND (0.0092)	ND (0.0089)
Hexachlorobutadiene	mg/kg	-	-	ND (0.038)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.028)	ND (0.015)	ND (0.014)
Hexachlorocyclopentadiene	mg/kg	-	-	ND (0.038)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.027)	ND (0.015)	ND (0.014)
Hexachloroethane	mg/kg	-	-	ND (0.047)	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.034)	ND (0.018)	ND (0.017)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	ND (0.044)	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.032)	ND (0.017)	ND (0.016)
Isophorone	mg/kg	-	-	ND (0.020)	ND (0.0082)	ND (0.0078)	ND (0.0077)	ND (0.0074)	ND (0.0077)	ND (0.0079)	ND (0.0078)	ND (0.0076)	ND (0.015)	ND (0.0078)	ND (0.0075)
2-Methylnaphthalene	mg/kg	-	-	ND (0.021)	ND (0.0086)	ND (0.0082)	ND (0.0081)	ND (0.0078)	ND (0.0082)	ND (0.0083)	ND (0.0083)	ND (0.0081)	ND (0.016)	ND (0.0083)	ND (0.0079)
2-Nitroaniline	mg/kg	-	-	ND (0.022)	ND (0.0090)	ND (0.0086)	ND (0.0085)	ND (0.0082)	ND (0.0085)	ND (0.0087)	ND (0.0087)	ND (0.0084)	ND (0.016)	ND (0.0086)	ND (0.0083)
3-Nitroaniline	mg/kg	-	-	ND (0.024)	ND (0.0095)	ND (0.0091)	ND (0.0090)	ND (0.0086)	ND (0.0090)	ND (0.0092)	ND (0.0092)	ND (0.0089)	ND (0.017)	ND (0.0091)	ND (0.0087)
4-Nitroaniline Naphthalene	mg/kg	12	100	ND (0.024) ND (0.027)	ND (0.0099) ND (0.011)	ND (0.0094) ND (0.010)	ND (0.0093) ND (0.010)	ND (0.0090) ND (0.0098)	ND (0.0094)	ND (0.0095)	ND (0.0095) ND (0.010)	ND (0.0092) ND (0.010)	ND (0.018) ND (0.019)	ND (0.0095) ND (0.010)	ND (0.0091) ND (0.0099)
Nitrobenzene	mg/kg	-	15	ND (0.027)	ND (0.011) ND (0.015)	ND (0.010) ND (0.014)	ND (0.010)	ND (0.0098)	ND (0.010) ND (0.014)	ND (0.010) ND (0.014)	ND (0.010)	ND (0.010)	ND (0.019) ND (0.027)	ND (0.010) ND (0.014)	ND (0.0099)
N-Nitroso-di-n-propylamine	mg/kg mg/kg	<u> </u>	-	ND (0.030)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.027)	ND (0.014)	ND (0.014)
N-Nitrosodiphenylamine	mg/kg		-	ND (0.035)	ND (0.011)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.011)	ND (0.011)	ND (0.013)	ND (0.025)	ND (0.011)	ND (0.013)
Phenanthrene	mg/kg	100	100	ND (0.032)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.023)	ND (0.012)	ND (0.012)
Pyrene	mg/kg	100	100	ND (0.030)	ND (0.012)	0.0177 J	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)	0.0319 J	0.0181 J	0.0111 J
1,2,4,5-Tetrachlorobenzene	mg/kg	-	-	ND (0.024)	ND (0.0097)	ND (0.0092)	ND (0.0091)	ND (0.0088)	ND (0.0092)	ND (0.0093)	ND (0.0093)	ND (0.0091)	ND (0.018)	ND (0.0093)	ND (0.0089)
1,2,1,6 164 461 161 656 1261 16	1119/119		1	110 (0.021)	112 (0.0001)	112 (0.0002)	112 (0.0001)	112 (0.0000)	112 (0.0002)	112 (0.0000)	112 (0.0000)	112 (0.0001)	112 (0.010)	112 (0.0000)	112 (0.0000)
MS Semi-volatile TIC															
Total TIC, Semi-Volatile	mg/kg	-	-	0	0	0	0	0	0	0.23 J	0	0	0	2.03 J	0.4 J
GC/LC Semi-volatiles (SW846	8081B)														
Aldrin	mg/kg	0.005	0.097	ND (0.00056)	ND (0.00062)	ND (0.00057)	ND (0.00057)	ND (0.00058)	ND (0.00059)	ND (0.00059)	ND (0.00058)	ND (0.00057)	ND (0.00053)	ND (0.00057)	ND (0.00055)
alpha-BHC	mg/kg	0.02	0.48	ND (0.00056)	ND (0.00061)	ND (0.00056)	ND (0.00056)	ND (0.00057)	ND (0.00058)	ND (0.00058)	ND (0.00057)	ND (0.00056)	ND (0.00052)	ND (0.00056)	ND (0.00055)
beta-BHC	mg/kg	0.036	0.36	ND (0.00062)	ND (0.00068)	ND (0.00062)	ND (0.00062)	ND (0.00064)	ND (0.00065)	ND (0.00065)	ND (0.00063)	ND (0.00062)	ND (0.00058)	ND (0.00063)	ND (0.00061)
delta-BHC	mg/kg	0.04	100	ND (0.00066)	ND (0.00072)	ND (0.00066)	ND (0.00066)	ND (0.00067)	ND (0.00069)	ND (0.00069)	ND (0.00067)	ND (0.00066)	ND (0.00062)	ND (0.00066)	ND (0.00064)
gamma-BHC (Lindane)	mg/kg	0.1	1.3	ND (0.00050)	ND (0.00056)	ND (0.00051)	ND (0.00051)	ND (0.00052)	ND (0.00053)	ND (0.00053)	ND (0.00052)	ND (0.00051)	ND (0.00048)	ND (0.00051)	ND (0.00049)
alpha-Chlordane	mg/kg	0.094	4.2	ND (0.00055)	0.0011 ^f	0.0015 ^f	ND (0.00056)	ND (0.00057)	ND (0.00058)	ND (0.00058)	ND (0.00056)	ND (0.00056)	ND (0.00052)	ND (0.00056)	ND (0.00054)
gamma-Chlordane	mg/kg	-	-	ND (0.00031)	0.00058 J	0.0011	ND (0.00031)	ND (0.00032)	ND (0.00032)	ND (0.00032)	ND (0.00032)	ND (0.00031)	ND (0.00029)	ND (0.00031)	ND (0.00030)
Dieldrin	mg/kg	0.005	0.2	ND (0.00047)	ND (0.00052)	ND (0.00047)	ND (0.00047)	ND (0.00048)	ND (0.00049)	ND (0.00049)	ND (0.00048)	ND (0.00047)	ND (0.00044)	ND (0.00048)	ND (0.00046)
4,4'-DDD	mg/kg	0.0033	13	ND (0.00063)	ND (0.00069)	ND (0.00063)	ND (0.00063)	ND (0.00065)	ND (0.00066)	ND (0.00066)	ND (0.00064)	ND (0.00063)	ND (0.00059)	ND (0.00064)	ND (0.00062)
4,4'-DDE	mg/kg	0.0033	8.9	ND (0.00060)	0.0011	ND (0.00060)	ND (0.00061)	ND (0.00062)	ND (0.00063)	ND (0.00063)	ND (0.00061)	ND (0.00061)	ND (0.00057)	ND (0.00061)	ND (0.00059)
··	a,a	2.000		(0.0000)		(0.0000)	(5.55551)	(0.00002)	1 (0.0000)	(0.0000)	(3.33001)	(0.00001)	(0.00001)	(0.00001)	(0.0000)

Table 3.1 - Soil Analytical Table August 13 - September 3, 2021 136-140 Croton Avenue, Ossining, NY Project No. 12060 SESI Consulting Engineers

Client Sample ID:				SB-1 (6-6.5)	SB-2 (4.5-5.0)	SB-3 (6-6.5)	SB-5 (6-6.5)	SB-6 (9.5-10.0)	SB-8 (9.5-10.0)	SB-9 (7.5-8.0)	SB-10 (7.5-8.0)	SB-11(4.5-5.0)	SB-12(1.0-1.5)	SB-14(9.5-10.0)	SB-15(2.5-3.5)
Lab Sample ID:		usco	RRSCO	JD29923-1	JD29923-2	JD29923-3	JD29923-4	JD29923-5	JD29923-6	JD29923-7	JD29923-8	JD30019-1	JD30019-2	JD30019-3	JD30019-4
Date Sampled:				8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth:	Units			6-6.5'	4.5-5.0'	6-6.5'	6-6.5'	9.5-10.0'	9.5-10.0'	7.5-8.0'	7.5-8.0'	4.5-5.0'	1.0-1.5'	9.5-10.0'	2.5-3.5'
4,4'-DDT	mg/kg	0.0033	7.9	ND (0.00061)	0.0021	ND (0.00061)	ND (0.00061)	ND (0.00062)	ND (0.00063)	ND (0.00063)	ND (0.00062)	ND (0.00061)	ND (0.00057)	ND (0.00061)	ND (0.00059)
Endrin	mg/kg	0.014	11	ND (0.00053)	ND (0.00059)	ND (0.00053)	ND (0.00054)	ND (0.00055)	ND (0.00056)	ND (0.00056)	ND (0.00054)	ND (0.00054)	ND (0.00050)	ND (0.00054)	ND (0.00052)
Endosulfan sulfate	mg/kg	2.4	24	ND (0.00053)	ND (0.00059)	ND (0.00054)	ND (0.00054)	ND (0.00055)	ND (0.00056)	ND (0.00056)	ND (0.00055)	ND (0.00054)	ND (0.00050)	ND (0.00054)	ND (0.00052)
Endrin aldehyde	mg/kg	-	-	ND (0.00039)	ND (0.00043)	ND (0.00039)	ND (0.00039)	ND (0.00040)	ND (0.00041)	ND (0.00041)	ND (0.00040)	ND (0.00039)	ND (0.00037)	ND (0.00039)	ND (0.00038)
Endosulfan-l	mg/kg	2.4	24	ND (0.00039)	0.00083	ND (0.00040)	ND (0.00040)	ND (0.00040)	ND (0.00041)	ND (0.00041)	ND (0.00040)	ND (0.00040)	ND (0.00037)	ND (0.00040)	ND (0.00039)
Endosulfan-II	mg/kg	2.4	24	ND (0.00043)	ND (0.00047)	ND (0.00043)	ND (0.00043)	ND (0.00044)	ND (0.00045)	ND (0.00045)	ND (0.00044)	ND (0.00043)	ND (0.00040)	ND (0.00043)	ND (0.00042)
Heptachlor	mg/kg	0.042	2.1	ND (0.00059)	ND (0.00065)	ND (0.00059)	ND (0.00060)	ND (0.00061)	ND (0.00062)	ND (0.00062)	ND (0.00060)	ND (0.00060)	ND (0.00056)	ND (0.00060)	ND (0.00058)
Heptachlor epoxide	mg/kg	-	-	ND (0.00048)	0.00079 [†]	ND (0.00048)	ND (0.00048)	ND (0.00049)	ND (0.00050)	ND (0.00050)	ND (0.00049)	ND (0.00048)	ND (0.00045)	ND (0.00049)	ND (0.00047)
Methoxychlor	mg/kg	-	-	ND (0.00054)	ND (0.00060)	ND (0.00055)	ND (0.00055)	ND (0.00056)	ND (0.00057)	ND (0.00057)	ND (0.00056)	ND (0.00055)	ND (0.00051)	ND (0.00055)	ND (0.00053)
Endrin ketone	mg/kg	-	-	ND (0.00050)	ND (0.00054)	ND (0.00050)	ND (0.00050) ND (0.016)	ND (0.00051)	ND (0.00052)	ND (0.00052)	ND (0.00051)	ND (0.00050)	ND (0.00047)	ND (0.00050)	ND (0.00049)
Toxaphene	mg/kg	-	-	ND (0.016)	ND (0.018)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)
GC/LC Semi-volatiles (SW	/846 8082A)														
Aroclor 1016	mg/kg	0.1	1 1	ND (0.016)	ND (0.018)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.016)
Aroclor 1221	mg/kg	0.1	1	ND (0.021)	ND (0.023)	ND (0.021)	ND (0.021)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.021)
Aroclor 1232	mg/kg	0.1	1	ND (0.022)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.021)
Aroclor 1242	mg/kg	0.1	1	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.014)	ND (0.014)
Aroclor 1248	mg/kg	0.1	1	ND (0.031)	ND (0.034)	ND (0.031)	ND (0.031)	ND (0.031)	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.031)	ND (0.029)	ND (0.031)	ND (0.030)
Aroclor 1254	mg/kg	0.1	1	ND (0.018)	ND (0.020)	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.017)	ND (0.019)	ND (0.018)
Aroclor 1260	mg/kg	0.1	1	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
Aroclor 1268	mg/kg	0.1	1	ND (0.014)	ND (0.016)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)
Aroclor 1262	mg/kg	0.1	1	ND (0.022)	ND (0.025)	ND (0.022)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.021)	ND (0.023)	ND (0.022)
Metals Analysis				•	•		•				•				
Aluminum	mg/kg	_		11700								40000			
Antimony	l llig/kg		_	1 11/00	1 13700	1 12100	1 15800	10300	17000	1 16200	I 77/10		I 630N	10300	10800
Anumony	ma/ka		-	11700	13700	12100	15800	10300	17000	16200	7740	12000	6390	10300	10800
la	mg/kg	-	-	<4.4 ^g	<4.4 ^g	<4.6 ^g	<4.4 ^g	<11 ^g	<4.5 ^g	<4.6 ^g	<2.3	<2.3	<2.3	<2.2	<2.1
Arsenic	mg/kg	- 13	- - 16	<4.4 ^g <2.2	<4.4 ^g	<4.6 ^g <2.3	<4.4 ^g	<11 ^g <2.2	<4.5 ^g	<4.6 ^g	<2.3 <2.3	<2.3 <2.3	<2.3 5.8	<2.2 <4.4 ^g	<2.1 <2.1
Barium	mg/kg mg/kg	- 13 350	400	<4.4 ⁹ <2.2 141	<4.4 ^g <4.4 ^g 136	<4.6 ^g <2.3 120	<4.4 ^g <4.4 ^g 170	<11 ^g <2.2 107	<4.5 ^g <4.5 ^g 174	<4.6 ^g <4.6 ^g 168	<2.3 <2.3 103	<2.3 <2.3 118	<2.3 5.8 43.8	<2.2 <4.4 ^g 100	<2.1 <2.1 106
Barium Beryllium	mg/kg mg/kg mg/kg	- 13 350 7.2	400 72	<4.4 ^g <2.2 141 0.56 ^g	<4.4 ^g	<4.6 ^g <2.3 120 0.60 ^g	<4.4 ^g <4.4 ^g 170 0.82 ^g	<11 ^g <2.2 107 <1.1 ^g	<4.5 ^g <4.5 ^g 174 0.87 ^g	<4.6 ^g <4.6 ^g 168 0.85 ^g	<2.3 <2.3 103 0.36	<2.3 <2.3 118 0.87 ^g	<2.3 5.8 43.8 <0.23	<2.2 <4.4 ^g 100 0.67	<2.1 <2.1 106 0.75 ^g
Barium Beryllium Cadmium	mg/kg mg/kg mg/kg mg/kg	- 13 350	400	<4.4 ^g <2.2 141 0.56 ^g <0.55	<4.4 ^g <4.4 ^g <136 0.70 ^g	<4.6 ^g <2.3 120 0.60 ^g <0.57	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g	<11 ^g <2.2 107 <1.1 ^g <0.54	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g	<2.3 <2.3 103 0.36 <0.58	<2.3 <2.3 118 0.87 ^g <0.56	<2.3 5.8 43.8 <0.23 <0.56	<2.2 <4.4 ^g 100 0.67 <1.1 ^g	<2.1 <2.1 106 0.75 ^g <0.53
Barium Beryllium Cadmium Calcium	mg/kg mg/kg mg/kg mg/kg mg/kg	- 13 350 7.2 2.5	400 72	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200	<4.4 ^g <4.4 ^g <136 0.70 ^g - 6800	<4.6 ^g <2.3 120 0.60 ^g <0.57 9240	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000	<11 ^g <2.2 107 <1.1 ^g <0.54 41300	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530	<2.3 <2.3 103 0.36 <0.58 5340	<2.3 <2.3 118 0.87 ^g <0.56 8500	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400	<2.1 <2.1 106 0.75 ^g <0.53 2000
Barium Beryllium Cadmium Calcium Chromium	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	- 13 350 7.2 2.5	400 72 4.3	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1	<4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5	<4.6 ^g <2.3 120 0.60 ^g <0.57 9240 28.5	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000 27	<11 ⁹ <2.2 107 <1.1 ⁹ <0.54 41300 17.3	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1	<2.3 <2.3 103 0.36 <0.58 5340 15	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3	<2.1 <2.1 106 0.75 ^g <0.53 2000 16.6
Barium Beryllium Cadmium Calcium	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	- 13 350 7.2 2.5 - -	400 72 4.3 - -	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g	<4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5 <11 ^g	<4.6 ^g <2.3 120 0.60 ^g <0.57 9240 28.5 <11 ^g	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000 27 11.3 ^g	<11 ⁹ <2.2 107 <1.1 ⁹ <0.54 41300 17.3 <27 ⁹	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6	<2.1 <2.1 106 0.75 ^g <0.53 2000 16.6 <11 ^g
Barium Beryllium Cadmium Calcium Chromium	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	- 13 350 7.2 2.5 -	400 72 4.3 -	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1	<4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g	<4.6 ^g <2.3 120 0.60 ^g <0.57 9240 28.5 <11 ^g 15.3	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000 27 11.3 ^g 18.8 ^g	<11 ^g <2.2 107 <1.1 ^g <0.54 41300 17.3 <27 ^g 12.2	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3 14.1	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g	<2.1 <2.1 106 0.75 ^g <0.53 2000 16.6 <11 ^g 12.5
Barium Beryllium Cadmium Calcium Chromium Cobalt	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	- 13 350 7.2 2.5 - -	400 72 4.3 - -	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g	<4.4 ^g <4.4 ^g <136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g 24800	<4.6 ^g <2.3 120 0.60 ^g <0.57 9240 28.5 <11 ^g	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000 27 11.3 ^g 18.8 ^g 27000	<11 ⁹ <2.2 107 <1.1 ⁹ <0.54 41300 17.3 <27 ⁹	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g 28000	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g 28000	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g 24000	<2.1 <2.1 106 0.75 ^g <0.53 2000 16.6 <11 ^g
Barium Beryllium Cadmium Calcium Chromium Cobalt Copper	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	- 13 350 7.2 2.5 - - - 50	400 72 4.3 - - - 270	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1	<4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g	<4.6 ^g <2.3 120 0.60 ^g <0.57 9240 28.5 <11 ^g 15.3	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000 27 11.3 ^g 18.8 ^g	<11 ^g <2.2 107 <1.1 ^g <0.54 41300 17.3 <27 ^g 12.2	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3 14.1	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g	<2.1 <2.1 106 0.75 ^g <0.53 2000 16.6 <11 ^g 12.5
Barium Beryllium Cadmium Calcium Chromium Cobalt Copper	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	- 13 350 7.2 2.5 - - - 50	400 72 4.3 - - - 270	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1 20000	<4.4 ^g <4.4 ^g <136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g 24800	<4.6 ^g <2.3 120 0.60 ^g <0.57 9240 28.5 <11 ^g 15.3 21400	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000 27 11.3 ^g 18.8 ^g 27000	<11 ^g <2.2 107 <1.1 ^g <0.54 41300 17.3 <27 ^g 12.2 17700	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g 28000	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g 28000	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9 15000	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1 20800	<2.3 5.8 43.8 <0.23 <0.56 96700 g 10.9 6.3 14.1 14600	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g 24000	<2.1 <2.1 106 0.75 g <0.53 2000 16.6 <11 g 12.5 18900
Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium	mg/kg	- 13 350 7.2 2.5 - - - 50 - 63	400 72 4.3 - - - 270 - 400	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1 20000 6.9	<4.4 ^g <4.4 ^g <136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g 24800 11.0 ^g	<4.6 ^g <2.3 120 0.60 ^g <0.57 9240 28.5 <11 ^g 15.3 21400 11.7	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000 27 11.3 ^g 18.8 ^g 27000 7.7 ^g	<11 ^g <2.2 107 <1.1 ^g <0.54 41300 17.3 <27 ^g 12.2 17700 5.6	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g 28000 8.4 ^g	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g 28000 7.6 ^g	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9 15000 4.4	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1 20800 9.1	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3 14.1 14600 45.3	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g 24000 57.7 ^g	<2.1 <2.1 106 0.75 ^g <0.53 2000 16.6 <11 ^g 12.5 18900 5.2
Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead	mg/kg	- 13 350 7.2 2.5 - - - 50 - 63	400 72 4.3 - - 270 - 400	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1 20000 6.9 7380	<4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g 24800 11.0 ^g 7110	<4.6 g <2.3 120 0.60 g <0.57 9240 28.5 <11 g 15.3 21400 11.7 8270	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000 27 11.3 ^g 18.8 ^g 27000 7.7 ^g 9260	<11 ^g <2.2 107 <1.1 ^g <0.54 41300 17.3 <27 ^g 12.2 17700 5.6 24000	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g 28000 8.4 ^g 9150	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g 28000 7.6 ^g 9050	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9 15000 4.4 4710	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1 20800 9.1 7400	<2.3 5.8 43.8 <0.23 <0.56 96700 ⁹ 10.9 6.3 14.1 14600 45.3 47000 ⁹	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g 24000 57.7 ^g 4870	<2.1 <2.1 106 0.75 g <0.53 2000 16.6 <11 g 12.5 18900 5.2 4720
Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury	mg/kg	- 13 350 7.2 2.5 - - - 50 - 63 - 1600	400 72 4.3 270 - 400 - 2000 0.81	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1 20000 6.9 7380 350 <0.033	<4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g 24800 11.0 ^g 7110 343 <0.033	<4.6 g <2.3 120 0.60 g <0.57 9240 28.5 <11 g 15.3 21400 11.7 8270 281	<4.4 ⁹ <4.4 ⁹ 170 0.82 ⁹ <1.1 ⁹ 9000 27 11.3 ⁹ 18.8 ⁹ 27000 7.7 ⁹ 9260 284 <0.036	<11 ^g <2.2 107 <1.1 ^g <0.54 41300 17.3 <27 ^g 12.2 17700 5.6 24000 275	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g 28000 8.4 ^g 9150 409 <0.034	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g 28000 7.6 ^g 9050 314	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9 15000 4.4 4710 545 <0.030	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1 20800 9.1 7400 287	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3 14.1 14600 45.3 47000 ^g 361 <0.033	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g 24000 57.7 ^g 4870 245	<2.1 <2.1 106 0.75 ^g <0.53 2000 16.6 <11 ^g 12.5 18900 5.2 4720 261 <0.028
Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese	mg/kg	- 13 350 7.2 2.5 - - - 50 - 63 - 1600 0.18	400 72 4.3 270 - 400 - 2000	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1 20000 6.9 7380 350	<4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g 24800 11.0 ^g 7110 343	<4.6 g <2.3 120 0.60 g <0.57 9240 28.5 <11 g 15.3 21400 11.7 8270 281 <0.030	<4.4 ⁹ <4.4 ⁹ 170 0.82 ⁹ <1.1 ⁹ 9000 27 11.3 ⁹ 18.8 ⁹ 27000 7.7 ⁹ 9260 284	<11 g <2.2 107 <1.1 g <0.54 41300 17.3 <27 g 12.2 17700 5.6 24000 275 <0.034	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g 28000 8.4 ^g 9150 409	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g 28000 7.6 ^g 9050 314 <0.034	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9 15000 4.4 4710 545	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1 20800 9.1 7400 287 <0.033	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3 14.1 14600 45.3 47000 ^g 361	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g 24000 57.7 ^g 4870 245 <0.038	<2.1 <2.1 106 0.75 g <0.53 2000 16.6 <11 g 12.5 18900 5.2 4720 261
Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium	mg/kg	- 13 350 7.2 2.5 - - 50 - 63 - 1600 0.18 30	400 72 4.3 270 - 400 - 2000 0.81 310 -	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1 20000 6.9 7380 350 <0.033 14.2 5410	<4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g 24800 11.0 ^g 7110 343 <0.033 17.6	<4.6 g <2.3 120 0.60 g <0.57 9240 28.5 <11 g 15.3 21400 11.7 8270 281 <0.030 16.8	<4.4 ⁹ <4.4 ⁹ 170 0.82 ⁹ <1.1 ⁹ 9000 27 11.3 ⁹ 18.8 ⁹ 27000 7.7 ⁹ 9260 284 <0.036 20.4 6820	<11 g <2.2 107 <1.1 g <0.54 41300 17.3 <27 g 12.2 17700 5.6 24000 275 <0.034 13.6 4230	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g 28000 8.4 ^g 9150 409 <0.034 21.6	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g 28000 7.6 ^g 9050 314 <0.034 21 7180	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9 15000 4.4 4710 545 <0.030 11.2 3300	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1 20800 9.1 7400 287 <0.033 17 4670	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3 14.1 14600 45.3 47000 ^g 361 <0.033 16.6 1770	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g 24000 57.7 ^g 4870 245 <0.038 16.9 2730	<2.1 <2.1 106 0.75 g <0.53 2000 16.6 <11 g 12.5 18900 5.2 4720 261 <0.028 14.7 4800
Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium	mg/kg	- 13 350 7.2 2.5 - - 50 - 63 - 1600 0.18 30 - 3.9	400 72 4.3 270 - 400 - 2000 0.81 310 - 180	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1 20000 6.9 7380 350 <0.033 14.2 5410 <2.2	<4.4 ^g <4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g 24800 11.0 ^g 7110 343 <0.033 17.6 5460 <4.4 ^{g,h}	<4.6 g <2.3 120 0.60 g <0.57 9240 28.5 <11 g 15.3 21400 11.7 8270 281 <0.030 16.8 5080 <2.3	<4.4 ^g <4.4 ^g 170 0.82 ^g <1.1 ^g 9000 27 11.3 ^g 18.8 ^g 27000 7.7 ^g 9260 284 <0.036 20.4 6820 <4.4 ^{g,h}	<11 g <2.2 107 <1.1 g <0.54 41300 17.3 <27 g 12.2 17700 5.6 24000 275 <0.034 13.6 4230 <2.2	<4.5 ^g <4.5 ^g 174 0.87 ^g <1.1 ^g 11300 27.6 11.8 ^g 20.5 ^g 28000 8.4 ^g 9150 409 <0.034 21.6 7170 <4.5 ^{g,h}	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g 28000 7.6 ^g 9050 314 <0.034 21 7180 <4.6 ^{g,h}	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9 15000 4.4 4710 545 <0.030 11.2 3300 <2.3	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1 20800 9.1 7400 287 <0.033 17 4670 <2.3	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3 14.1 14600 45.3 47000 ^g 361 <0.033 16.6 1770 <2.3	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g 24000 57.7 ^g 4870 245 <0.038 16.9 2730 <4.4 ^{g,h}	<2.1 <2.1 106 0.75 g <0.53 2000 16.6 <11 g 12.5 18900 5.2 4720 261 <0.028 14.7 4800 <2.1
Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium	mg/kg	- 13 350 7.2 2.5 - - 50 - 63 - 1600 0.18 30	400 72 4.3 270 - 400 - 2000 0.81 310 -	<4.4 ^g <2.2 141 0.56 ^g <0.55 10200 20.1 <11 ^g 20.1 20000 6.9 7380 350 <0.033 14.2 5410	<4.4 ^g <4.4 ^g 136 0.70 ^g - 6800 23.5 <11 ^g 16.7 ^g 24800 11.0 ^g 7110 343 <0.033 17.6 5460	<4.6 g <2.3 120 0.60 g <0.57 9240 28.5 <11 g 15.3 21400 11.7 8270 281 <0.030 16.8 5080	<4.4 ⁹ <4.4 ⁹ 170 0.82 ⁹ <1.1 ⁹ 9000 27 11.3 ⁹ 18.8 ⁹ 27000 7.7 ⁹ 9260 284 <0.036 20.4 6820	<11 g <2.2 107 <1.1 g <0.54 41300 17.3 <27 g 12.2 17700 5.6 24000 275 <0.034 13.6 4230	<4.5 g <4.5 g <4.5 g 174 0.87 g <1.1 g 11300 27.6 11.8 g 20.5 g 28000 8.4 g 9150 409 <0.034 21.6 7170	<4.6 ^g <4.6 ^g 168 0.85 ^g <1.2 ^g 9530 27.1 <12 ^g 20.3 ^g 28000 7.6 ^g 9050 314 <0.034 21 7180	<2.3 <2.3 103 0.36 <0.58 5340 15 6.1 10.9 15000 4.4 4710 545 <0.030 11.2 3300	<2.3 <2.3 118 0.87 ^g <0.56 8500 19.3 <11 ^g 19.1 20800 9.1 7400 287 <0.033 17 4670	<2.3 5.8 43.8 <0.23 <0.56 96700 ^g 10.9 6.3 14.1 14600 45.3 47000 ^g 361 <0.033 16.6 1770	<2.2 <4.4 ^g 100 0.67 <1.1 ^g 3400 16.3 10.6 69.5 ^g 24000 57.7 ^g 4870 245 <0.038 16.9 2730	<2.1 <2.1 106 0.75 g <0.53 2000 16.6 <11 g 12.5 18900 5.2 4720 261 <0.028 14.7 4800

Client Sample ID:				SB-1 (6-6.5)	SB-2 (4.5-5.0)	SB-3 (6-6.5)	SB-5 (6-6.5)	SB-6 (9.5-10.0)	SB-8 (9.5-10.0)	SB-9 (7.5-8.0)	SB-10 (7.5-8.0)	SB-11(4.5-5.0)	SB-12(1.0-1.5)	SB-14(9.5-10.0)	SB-15(2.5-3.5)
Lab Sample ID:		usco	RRSCO	JD29923-1	JD29923-2	JD29923-3	JD29923-4	JD29923-5	JD29923-6	JD29923-7	JD29923-8	JD30019-1	JD30019-2	JD30019-3	JD30019-4
Date Sampled:				8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/13/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth:	Units			6-6.5'	4.5-5.0'	6-6.5'	6-6.5'	9.5-10.0'	9.5-10.0'	7.5-8.0'	7.5-8.0'	4.5-5.0'	1.0-1.5'	9.5-10.0'	2.5-3.5'
			•	-			-						-		
Vanadium	mg/kg	-	-	28.6	33.3	29.4	36.2	26.4	37.9	36.8	20.2	28.5	30.2	56.7	23.8
Zinc	mg/kg	109	10000	45	53.8	52.6	56.1	37.2	58.9	58.6	32.8	51.3	50.3	102	49.8
General Chemistry															
Cyanide	mg/kg	27	27	<0.25	<0.26	<0.24	<0.25	<0.22	<0.25	<0.26	<0.27	<0.22	<0.24	<0.24	<0.21
Solids, Percent	%	-	-	93.6	87.3	91.6	91.6	92.4	91.4	90.8	88.8	92.2	93.4	87.5	93.7

Footnotes:

Additional Notes:

mg/kg = Miligrams per kilogram

ND = Not Detected

- = No soil cleanup objective established

NA = Not Analyzed

J = The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL)

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

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

= Compound was detected
= Concentration exceeds USCOs
= Concentration exceeds RRSCOs

^a Associated CCV outside of control limits low.

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

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

^d This compound in BS is outside in house QC limits bias high.

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

 $^{^{\}rm f}$ More than 40 % RPD for detected concentrations between the two GC columns.

⁹ Elevated detection limit due to dilution required for high interfering element.

^h Elevated detection limit over USCOs due to dilution required for high interfering element.

Client Sample ID:				SB-16(4.5-5.0)	SB-17(6-6.5)	SB-18_2.0_2.5	SB-18_7.0_7.5	SB-19_3.0_3.5	SB-19_4.0_4.5	SB-20_3.0_3.5	SB-21_2.0_2.5	SB-22_2.0_2.5	SB-23_2.0_2.5
Lab Sample ID:		usco	RRSCO	JD30019-5	JD30019-6	JD30962-1	JD30962-2	JD30962-3	JD30962-4	JD30962-5	JD30962-6	JD30962-7	JD30962-8
Date Sampled:			1	8/16/2021	8/16/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth:	Units			4.5-5.0'	6-6.5'	2.0-2.5'	7.0-7.5'	3.0-3.5'	4.0-4.5'	3.0-3.5'	2.0-2.5'	2.0-2.5'	2.0-2.5'
	<u> </u>							•	•		•	•	
MS Volatiles (SW846 8260D)													
Acetone	mg/kg	0.05	100	ND (0.0041)	0.0072 J	ND (0.22) b	ND (0.22) °	ND (0.21) b	ND (0.22) b	NA	NA NA	NA	l NA
Benzene	mg/kg	0.06	4.8	ND (0.00045)	ND (0.00040)	0.674	ND (0.024)	2.97	0.287	NA	NA	NA	NA
Bromochloromethane	mg/kg	-	-	ND (0.00056)	ND (0.00049)	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.029)	NA	NA	NA	NA NA
Bromodichloromethane	mg/kg	_	_	ND (0.00043)	ND (0.00037)	ND (0.023)	ND (0.023)	ND (0.022)	ND (0.022)	NA	NA	NA	NA
Bromoform	mg/kg	-	-	ND (0.0014)	ND (0.0012)	ND (0.072)	ND (0.072)	ND (0.071)	ND (0.071)	NA	NA	NA	NA
Bromomethane	mg/kg	-	_	ND (0.00076)	ND (0.00067)	ND (0.040)	ND (0.041)	ND (0.040)	ND (0.040)	NA	NA	NA	NA
2-Butanone (MEK)	mg/kg	0.12	100	ND (0.0024) °	ND (0.0021) °	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	NA	NA	NA	NA
Carbon disulfide	mg/kg	-	-	ND (0.00053)	ND (0.00047)	ND (0.028)	ND (0.028)	ND (0.028)	ND (0.028)	NA	NA	NA	NA
Carbon tetrachloride	mg/kg	0.76	2.4	ND (0.00062)	ND (0.00054)	ND (0.033)	ND (0.033)	ND (0.032)	ND (0.032)	NA	NA	NA	NA
Chlorobenzene	mg/kg	1.1	100	ND (0.00046)	ND (0.00040)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)	NA	NA	NA	NA
Chloroethane	mg/kg	-	-	ND (0.00059)	ND (0.00052)	ND (0.031)	ND (0.031)	ND (0.031)	ND (0.031)	NA	NA	NA	NA
Chloroform	mg/kg	0.37	49	ND (0.00052)	ND (0.00045)	ND (0.027)	ND (0.028)	ND (0.027)	ND (0.027)	NA	NA	NA	NA
Chloromethane	mg/kg	-	-	ND (0.0020)	ND (0.0017)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	NA	NA	NA	NA
Cyclohexane	mg/kg	-	-	ND (0.00066)	ND (0.00057)	1.03	ND (0.035)	3.7	0.549	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	mg/kg	-	-	ND (0.00069)	ND (0.00061)	ND (0.037)	ND (0.037)	ND (0.036)	ND (0.036)	NA	NA	NA	NA
Dibromochloromethane	mg/kg	-	-	ND (0.00056)	ND (0.00049)	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.029)	NA	NA	NA	NA
1,2-Dibromoethane	mg/kg	-	-	ND (0.00042)	ND (0.00037)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	1.1	100	ND (0.00055)	ND (0.00048)	ND (0.029)	ND (0.029)	ND (0.028)	ND (0.028)	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	2.4	49	ND (0.00050)	ND (0.00043)	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.026)	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	1.8	13	ND (0.00049)	ND (0.00043)	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.026)	NA	NA	NA	NA
Dichlorodifluoromethane	mg/kg	-	-	ND (0.00073)	ND (0.00064)	ND (0.038)	ND (0.039)	ND (0.038)	ND (0.038)	NA	NA	NA	NA
1,1-Dichloroethane	mg/kg	0.27	26	ND (0.00049)	ND (0.00043)	ND (0.026)	ND (0.026)	ND (0.026)	ND (0.026)	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	0.02	3.1	ND (0.00047)	ND (0.00041)	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.025)	NA	NA	NA	NA
1,1-Dichloroethene	mg/kg	0.33	100	ND (0.00065)	ND (0.00057)	ND (0.035)	ND (0.035)	ND (0.034)	ND (0.034)	NA	NA	NA	NA
cis-1,2-Dichloroethene	mg/kg	0.25	100	ND (0.00084)	ND (0.00073)	ND (0.044)	ND (0.045)	ND (0.044)	ND (0.044)	NA	NA	NA	NA
trans-1,2-Dichloroethene	mg/kg	0.19	100	ND (0.00061)	ND (0.00053)	ND (0.032)	ND (0.033)	ND (0.032)	ND (0.032)	NA	NA	NA	NA
1,2-Dichloropropane	mg/kg	-	-	ND (0.00047)	ND (0.00041)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	NA	NA	NA	NA
cis-1,3-Dichloropropene	mg/kg	-	-	ND (0.00047)	ND (0.00041)	ND (0.025)	ND (0.025)	ND (0.025)	ND (0.025)	NA	NA	NA	NA
trans-1,3-Dichloropropene	mg/kg	-	-	ND (0.00046) °	ND (0.00040) ^c	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)	NA	NA	NA	NA
Ethylbenzene	mg/kg	1	41	ND (0.00045)	ND (0.00040)	36.6	0.632	48.3	8.88	NA	NA	NA	NA
Freon 113	mg/kg	-	-	ND (0.0027)	ND (0.0023)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	NA	NA	NA	NA
2-Hexanone	mg/kg	-	-	ND (0.0021)	ND (0.0019)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	NA	NA	NA	NA
Isopropylbenzene	mg/kg	-	-	ND (0.0014)	ND (0.0012)	7.34	0.298	7.99	1.97	NA	NA	NA	NA
Methyl Acetate	mg/kg	-	-	ND (0.0014)	ND (0.0012)	ND (0.073)	ND (0.074)	ND (0.072)	ND (0.073)	NA	NA	NA	NA
Methylcyclohexane	mg/kg	-	-	ND (0.00087)	ND (0.00076)	3.82	ND (0.047)	27.6	5.33	NA	NA	NA	NA
Methyl Tert Butyl Ether	mg/kg	0.93	100	ND (0.00047) °	ND (0.00041) ^c	ND (0.025)	ND (0.025)	ND (0.024)	ND (0.024)	NA	NA	NA	NA
4-Methyl-2-pentanone(MIBK)	mg/kg	-	-	ND (0.0023)	ND (0.0020)	ND (0.12)	ND (0.12)	ND (0.12)	ND (0.12)	NA	NA	NA	NA
Methylene chloride	mg/kg	0.05	100	ND (0.0026)	ND (0.0023)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.14)	NA	NA	NA	NA
Styrene	mg/kg	-	-	ND (0.00040)	ND (0.00035)	ND (0.021)	ND (0.021)	ND (0.021)	ND (0.021)	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	-	-	ND (0.00060)	ND (0.00052)	ND (0.032)	ND (0.032)	ND (0.031)	ND (0.031)	NA	NA	NA	NA
Tetrachloroethene	mg/kg	1.3	19	ND (0.00058)	ND (0.00051)	ND (0.031)	ND (0.031)	ND (0.030)	ND (0.030)	NA	NA	NA	NA
Toluene	mg/kg	0.7	100	ND (0.00052)	ND (0.00046)	8.13	0.208	67.5	7.6	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	-	-	ND (0.0025)	ND (0.0022)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	-	-	ND (0.0025)	ND (0.0022)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	0.68	100	ND (0.00048)	ND (0.00042)	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)	NA	NA	NA	NA
1,1,2-Trichloroethane	mg/kg	-	-	ND (0.00055)	ND (0.00048)	ND (0.029)	ND (0.029)	ND (0.029)	ND (0.029)	NA	NA	NA	NA

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Client Sample ID:				SB-16(4.5-5.0)	SB-17(6-6.5)	SB-18_2.0_2.5	SB-18_7.0_7.5	SB-19_3.0_3.5	SB-19_4.0_4.5	SB-20_3.0_3.5	SB-21_2.0_2.5	SB-22_2.0_2.5	SB-23_2.0_2.5
Lab Sample ID:		USCO	RRSCO	JD30019-5	JD30019-6	JD30962-1	JD30962-2	JD30962-3	JD30962-4	JD30962-5	JD30962-6	JD30962-7	JD30962-8
Date Sampled:				8/16/2021	8/16/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth:	Units			4.5-5.0'	6-6.5'	2.0-2.5'	7.0-7.5'	3.0-3.5'	4.0-4.5'	3.0-3.5'	2.0-2.5'	2.0-2.5'	2.0-2.5'
Campio 20pan	• • • • • • • • • • • • • • • • • • •			110 010	0 0.0	2.0 2.0	1 7.0 7.0	1 0.0 0.0	110 110	0.0 0.0	2.0 2.0	2.0 2.0	1 2.0 2.0
Trichloroethene	mg/kg	0.47	21	ND (0.00076)	ND (0.00067)	ND (0.040)	ND (0.041)	ND (0.040)	ND (0.040)	NA	NA	NA	NA
Trichlorofluoromethane	mg/kg	-	-	ND (0.00068)	ND (0.00060)	ND (0.036)	ND (0.036)	ND (0.035)	ND (0.036)	NA	NA	NA	NA
Vinyl chloride	mg/kg	0.02	0.9	ND (0.00048)	ND (0.00042)	ND (0.025)	ND (0.026)	ND (0.025)	ND (0.025)	NA	NA	NA	NA
m,p-Xylene	mg/kg	0.26	100	ND (0.00090)	ND (0.00078)	120	3.23	235	46.4	NA	NA	NA	NA
o-Xylene	mg/kg	0.26	100	ND (0.00046)	ND (0.00040)	47.4	1.72	93.5	17.7	NA	NA	NA	NA
Xylene (total)	mg/kg	0.26	100	ND (0.00046)	ND (0.00040)	167	4.95	329	64.1	NA	NA	NA	NA
				, , , , , , , , , , , , , , , , , , ,	,						l .	l .	
MS Volatile TIC													
Total TIC, Volatile	mg/kg	-	-	0	0	543 J	53.1 J	209.4 J	128.5 J	NA	NA	NA	NA
,				1		1				l.	l.	l.	
MS Semi-volatiles (SW846 827	0E)												
2-Chlorophenol	mg/kg		Τ -	ND (0.018)	ND (0.017)	ND (0.036)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.017)
4-Chloro-3-methyl phenol	mg/kg		 	ND (0.022)	ND (0.021)	ND (0.044)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.021)	ND (0.021)
2,4-Dichlorophenol	mg/kg		-	ND (0.031)	ND (0.029)	ND (0.062)	ND (0.030)	ND (0.030)	ND (0.031)	ND (0.031)	ND (0.030)	ND (0.029)	ND (0.029)
2,4-Dimethylphenol	mg/kg		 	ND (0.064)	ND (0.061)	ND (0.13)	ND (0.064)	ND (0.063)	ND (0.065)	ND (0.064)	ND (0.062)	ND (0.060)	ND (0.062)
2,4-Dinitrophenol				ND (0.13)	ND (0.13)	ND (0.27) °	ND (0.13) °	ND (0.13) °	ND (0.14) °	ND (0.14) °	ND (0.13) °	ND (0.13) °	ND (0.13) °
4,6-Dinitro-o-cresol	mg/kg	<u> </u>	-	ND (0.13)	ND (0.13)	ND (0.27)	ND (0.13) ND (0.038)	ND (0.13)	ND (0.14)	ND (0.14)	ND (0.13)	ND (0.13)	ND (0.13)
2-Methylphenol	mg/kg mg/kg	0.33	100	ND (0.023)	ND (0.037)	ND (0.046)	ND (0.033)	ND (0.038)	ND (0.039)	ND (0.039)	ND (0.037)	ND (0.030)	ND (0.022)
3&4-Methylphenol	mg/kg	-	-	ND (0.029)	ND (0.022)	ND (0.040)	ND (0.029)	ND (0.023)	ND (0.023)	ND (0.023)	ND (0.022)	ND (0.022)	ND (0.022)
2-Nitrophenol		<u> </u>	-	ND (0.024)	ND (0.023)	ND (0.048)	ND (0.024)	ND (0.023)	ND (0.030)	ND (0.034)	ND (0.023)	ND (0.023)	ND (0.023)
4-Nitrophenol	mg/kg	<u> </u>	 	ND (0.024)	ND (0.023)	ND (0.19)	ND (0.095)	ND (0.025)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.022)	ND (0.092)
Pentachlorophenol	mg/kg mg/kg	0.8	6.7	ND (0.034)	ND (0.032)	ND (0.068)	ND (0.034)	ND (0.033)	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.031)	ND (0.032)
Phenol	mg/kg	0.33	100	ND (0.034)	ND (0.032)	ND (0.038)	ND (0.034)	ND (0.033)	ND (0.034)	ND (0.034)	ND (0.033)	ND (0.032)	ND (0.032)
2,3,4,6-Tetrachlorophenol		-	-	ND (0.024)	ND (0.018)	ND (0.038)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.023)
2,4,5-Trichlorophenol	mg/kg mg/kg	<u> </u>	-	ND (0.024)	ND (0.023)	ND (0.054)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.026)	ND (0.022)	ND (0.025)
2,4,6-Trichlorophenol	mg/kg	<u> </u>	-	ND (0.021)	ND (0.020)	ND (0.043)	ND (0.021)	ND (0.021)	ND (0.027)	ND (0.021)	ND (0.020)	ND (0.020)	ND (0.020)
Acenaphthene		20	100	ND (0.021)	ND (0.020)	0.0529 J	ND (0.012)	0.0501	0.0309 J	ND (0.021)	ND (0.021)	ND (0.020)	ND (0.012)
Acenaphthylene	mg/kg mg/kg	100	100	ND (0.012)	ND (0.012)	ND (0.037)	ND (0.012)	0.0349 J	ND (0.019)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)
Acetophenone	mg/kg	-	-	ND (0.0077)	ND (0.0074)	ND (0.016)	ND (0.0077)	ND (0.0076)	ND (0.0078)	ND (0.0077)	ND (0.0075)	ND (0.0073)	ND (0.0074)
Anthracene	mg/kg	100	100	ND (0.0077)	ND (0.0074)	ND (0.044)	ND (0.0077)	ND (0.0070)	ND (0.0070)	ND (0.022)	ND (0.0073)	ND (0.0073)	ND (0.0074)
		100		ND (0.015) °			` ′	` '	ND (0.022)			` ′	ND (0.021)
Atrazine	mg/kg	- 1	- 1	ND (0.015)	ND (0.015) °	ND (0.031) ND (0.021)	ND (0.015)	ND (0.015)		ND (0.015)	ND (0.015)	ND (0.015) 0.041	0.0872
Benzo(a)anthracene	mg/kg	<u>'</u> 1	1	` ,	ND (0.0097)	` '	ND (0.010)	ND (0.010) ND (0.016)	ND (0.010)	ND (0.010)	0.0152 J	0.0363	0.0827
Benzo(a)pyrene	mg/kg	<u> </u>	1 1	ND (0.016)	ND (0.016)	ND (0.033)	ND (0.016)	. ,	ND (0.017)	ND (0.016)	ND (0.016)	0.0363	0.0027
Benzo(b)fluoranthene	mg/kg	100	100	ND (0.016)	ND (0.015)	ND (0.032)	ND (0.016)	ND (0.016)	ND (0.016) ND (0.018)	ND (0.016)	ND (0.015)	0.0409 0.0232 J	0.107
Benzo(g,h,i)perylene	mg/kg	0.8	3.9	ND (0.018)	ND (0.017)	ND (0.036) ND (0.034)	ND (0.018)	ND (0.018) ND (0.017)	ND (0.018)	ND (0.018)	ND (0.017) ND (0.016)	0.0232 J 0.0213 J	0.0765
Benzo(k)fluoranthene	mg/kg	-		ND (0.017)	ND (0.016)		ND (0.017)	` '	, ,	ND (0.017)			
4-Bromophenyl phenyl ether Butyl benzyl phthalate	mg/kg		-	ND (0.014) ND (0.0087)	ND (0.013) ND (0.0084)	ND (0.028) ND (0.018)	ND (0.014) ND (0.0087)	ND (0.014) ND (0.0087)	ND (0.014) ND (0.0089)	ND (0.014) ND (0.0088)	ND (0.013) ND (0.0085)	ND (0.013) ND (0.0083)	ND (0.013) ND (0.0084)
1,1'-Biphenyl	mg/kg			ND (0.0087) ND (0.0049)	ND (0.0084) ND (0.0047)	0.243	0.0088 J	0.241	0.145	ND (0.0088)	ND (0.0085)	ND (0.0083)	0.0048 J
	mg/kg	-	-			ND (0.018)	ND (0.0089)	ND (0.0088)		, ,	, ,	, ,	ND (0.0086)
Benzaldehyde	mg/kg	-	-	ND (0.0089) ND (0.0085)	ND (0.0085) ND (0.0082)	ND (0.018)	ND (0.0089)	ND (0.0088)	ND (0.0090) ND (0.0087)	ND (0.0089) ND (0.0086)	ND (0.0086) ND (0.0083)	ND (0.0084) ND (0.0081)	ND (0.0086) ND (0.0082)
2-Chloronaphthalene 4-Chloroaniline	mg/kg	-	- -		, ,	` '	, ,				, ,	, ,	· · ·
	mg/kg	-		ND (0.013)	ND (0.012)	ND (0.026)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)
Carbazole	mg/kg	-	-	ND (0.0052)	ND (0.0050)	ND (0.011)	ND (0.0052)	ND (0.0052)	ND (0.0053)	ND (0.0052)	ND (0.0050)	ND (0.0049)	ND (0.0050)
Caprolactam	mg/kg	-	-	ND (0.014) ^d	ND (0.014) ^d	ND (0.029) ^e	ND (0.014) e	ND (0.014) ^e	ND (0.014) ^e	ND (0.014) ^e	ND (0.014) ^e	ND (0.013) ^e	ND (0.014) ^e
Chrysene	mg/kg	1	3.9	ND (0.011)	ND (0.011)	ND (0.023)	ND (0.011)	ND (0.011)	ND (0.011)	ND (0.011)	0.0119 J	0.0342	0.088
bis(2-Chloroethoxy)methane	mg/kg	-	-	ND (0.0077)	ND (0.0074)	ND (0.016)	ND (0.0077)	ND (0.0076)	ND (0.0078)	ND (0.0077)	ND (0.0074)	ND (0.0073)	ND (0.0074)
bis(2-Chloroethyl)ether	mg/kg	-	-	ND (0.015)	ND (0.015)	ND (0.031)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)	ND (0.015)

Client Sample ID:				SB-16(4.5-5.0)	SB-17(6-6.5)	SB-18_2.0_2.5	SB-18_7.0_7.5	SB-19_3.0_3.5	SB-19_4.0_4.5	SB-20_3.0_3.5	SB-21_2.0_2.5	SB-22_2.0_2.5	SB-23_2.0_2.5
Lab Sample ID:		USCO	RRSCO	JD30019-5	JD30019-6	JD30962-1	JD30962-2	JD30962-3	JD30962-4	JD30962-5	JD30962-6	JD30962-7	JD30962-8
Date Sampled:				8/16/2021	8/16/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021
Matrix:				Soil									
Sample Depth:	Units			4.5-5.0'	6-6.5'	2.0-2.5'	7.0-7.5'	3.0-3.5'	4.0-4.5'	3.0-3.5'	2.0-2.5'	2.0-2.5'	2.0-2.5'
											•	•	
2,2'-Oxybis(1-chloropropane)	mg/kg	-	-	ND (0.013)	ND (0.012)	ND (0.026)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.012)
4-Chlorophenyl phenyl ether	mg/kg	-	-	ND (0.012)	ND (0.011)	ND (0.023)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.011)	ND (0.011)
2,4-Dinitrotoluene	mg/kg	-	-	ND (0.011)	ND (0.011)	ND (0.022)	ND (0.011)						
2,6-Dinitrotoluene	mg/kg	-	-	ND (0.018) ^c	ND (0.017) ^c	ND (0.036)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.017)
3,3'-Dichlorobenzidine	mg/kg	-	-	ND (0.030)	ND (0.029)	ND (0.060)	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.030)	ND (0.029)	ND (0.028)	ND (0.029)
1,4-Dioxane	mg/kg	0.1	13	ND (0.024)	ND (0.023)	ND (0.048)	ND (0.024)	ND (0.023)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.022)	ND (0.023)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	ND (0.016)	ND (0.015)	ND (0.032)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.015)	0.0177 J
Dibenzofuran	mg/kg	7	59	ND (0.015)	ND (0.014)	0.0407 J	ND (0.015)	ND (0.014)	0.0179 J	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Di-n-butyl phthalate	mg/kg	-	-	ND (0.0058)	ND (0.0056)	ND (0.012)	ND (0.0058)	ND (0.0058)	ND (0.0059)	ND (0.0059)	ND (0.0057)	ND (0.0055)	ND (0.0056)
Di-n-octyl phthalate	mg/kg	-	-	ND (0.0089)	ND (0.0086)	ND (0.018)	ND (0.0089)	ND (0.0088)	ND (0.0091)	ND (0.0090)	ND (0.0087)	ND (0.0085)	ND (0.0086)
Diethyl phthalate	mg/kg	-	-	ND (0.0076)	ND (0.0073)	ND (0.015)	ND (0.0076)	ND (0.0076)	ND (0.0078)	ND (0.0077)	ND (0.0074)	ND (0.0072)	ND (0.0074)
Dimethyl phthalate	mg/kg	-	-	ND (0.0064)	ND (0.0061)	ND (0.013)	ND (0.0064)	ND (0.0063)	ND (0.0065)	ND (0.0064)	ND (0.0062)	ND (0.0060)	ND (0.0062)
bis(2-Ethylhexyl)phthalate	mg/kg	-	-	ND (0.0084)	ND (0.0080)	ND (0.017)	ND (0.0084)	0.0726	0.0691 J	ND (0.0084)	ND (0.0081)	ND (0.0079)	0.13
Fluoranthene	mg/kg	100	100	ND (0.016)	ND (0.015)	0.0368 J	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	0.0206 J	0.0689	0.149
Fluorene	mg/kg	30	100	ND (0.016)	ND (0.016)	0.112	ND (0.016)	0.0557	0.0381	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)
Hexachlorobenzene	mg/kg	0.33	1.2	ND (0.0090)	ND (0.0087)	ND (0.018)	ND (0.0090)	ND (0.0090)	ND (0.0092)	ND (0.0091)	ND (0.0088)	ND (0.0086)	ND (0.0087)
Hexachlorobutadiene	mg/kg	-	-	ND (0.014)	ND (0.014)	ND (0.029)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)
Hexachlorocyclopentadiene	mg/kg	-	-	ND (0.014)	ND (0.014)	ND (0.029) ^e	ND (0.014) ^e	ND (0.014) ^e	ND (0.015) ^e	ND (0.014) ^e	ND (0.014) ^e	ND (0.014) ^e	ND (0.014) ^e
Hexachloroethane	mg/kg	-	-	ND (0.018)	ND (0.017)	ND (0.036)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.017)	ND (0.017)	ND (0.017)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	ND (0.017)	ND (0.016)	ND (0.034)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.017)	ND (0.016)	0.0257 J	0.0708
Isophorone	mg/kg	-	-	ND (0.0077)	ND (0.0074)	ND (0.016)	ND (0.0077)	ND (0.0076)	ND (0.0078)	ND (0.0077)	ND (0.0074)	ND (0.0073)	ND (0.0074)
2-Methylnaphthalene	mg/kg	-	-	ND (0.0081)	ND (0.0078)	12.3	0.305	14.5	8.84	ND (0.0081)	ND (0.0079)	ND (0.0077)	ND (0.0078)
2-Nitroaniline	mg/kg	-	-	ND (0.0084)	ND (0.0081)	ND (0.017)	ND (0.0084)	ND (0.0084)	ND (0.0086)	ND (0.0085)	ND (0.0082)	ND (0.0080)	ND (0.0082)
3-Nitroaniline	mg/kg	-	-	ND (0.0089)	ND (0.0086)	ND (0.018)	ND (0.0089)	ND (0.0089)	ND (0.0091)	ND (0.0090)	ND (0.0087)	ND (0.0085)	ND (0.0086)
4-Nitroaniline	mg/kg	-	-	ND (0.0093)	ND (0.0089)	ND (0.019)	ND (0.0093)	ND (0.0092)	ND (0.0094)	ND (0.0093)	ND (0.0090)	ND (0.0088)	ND (0.0090)
Naphthalene	mg/kg	12	100	ND (0.010)	ND (0.0097)	13.8	0.202	13.9	8.26	ND (0.010)	ND (0.0098)	ND (0.0096)	ND (0.0098)
Nitrobenzene	mg/kg	-	15	ND (0.014)	ND (0.013)	ND (0.028)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.013)
N-Nitroso-di-n-propylamine	mg/kg	-	-	ND (0.010)	ND (0.0099)	ND (0.021)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.010)	ND (0.0098)	ND (0.010)
N-Nitrosodiphenylamine	mg/kg	-	-	ND (0.013)	ND (0.013)	ND (0.027)	ND (0.013)	ND (0.012)	ND (0.013)				
Phenanthrene	mg/kg	100	100	ND (0.012)	ND (0.012)	0.167	ND (0.012)	0.1	0.0628	ND (0.012)	ND (0.012)	0.0228 J	0.0581
Pyrene	mg/kg	100	100	ND (0.011)	ND (0.011)	0.0519 J	ND (0.011)	0.0208 J	ND (0.012)	ND (0.012)	0.0198 J	0.0606	0.16
1,2,4,5-Tetrachlorobenzene	mg/kg	-	-	ND (0.0091)	ND (0.0087)	ND (0.018)	ND (0.0091)	ND (0.0090)	ND (0.0093)	ND (0.0091)	ND (0.0088)	ND (0.0086)	ND (0.0088)
MS Semi-volatile TIC													
Total TIC, Semi-Volatile	mg/kg	-	-	0	0	274.26 J	8.73 J	164.86 J	132.98 J	0	1.06 J	0	4.12 J
GC/LC Semi-volatiles (SW846 8	081B)												
Aldrin	mg/kg	0.005	0.097	ND (0.00056)	ND (0.00058)	NA	NA	NA	NA	NA	NA NA	NA NA	NA
alpha-BHC	mg/kg	0.02	0.48	ND (0.00055)	ND (0.00057)	NA							
beta-BHC	mg/kg	0.036	0.36	ND (0.00061)	ND (0.00063)	NA							
delta-BHC	mg/kg	0.04	100	ND (0.00065)	ND (0.00067)	NA							
gamma-BHC (Lindane)	mg/kg	0.1	1.3	ND (0.00050)	ND (0.00052)	NA							
alpha-Chlordane	mg/kg	0.094	4.2	ND (0.00055)	ND (0.00056)	NA							
gamma-Chlordane	mg/kg	-	-	ND (0.00031)	ND (0.00032)	NA NA							
Dieldrin	mg/kg	0.005	0.2	ND (0.00047)	ND (0.00048)	NA NA							
4,4'-DDD	mg/kg	0.0033	13	ND (0.00062)	ND (0.00043)	NA NA							
4,4'-DDE	mg/kg	0.0033	8.9	ND (0.00060)	ND (0.00061)	NA NA	NA NA						
.,. ===	19,9	2.0000		(0.0000)	(0.00001)	1 17 1	1 17 1	L '"'	L '*'`	L '"'	L ''''	1 1 1 1 1 1 1	

Table 3.1 - Soil Analytical Table August 13 - September 3, 2021 136-140 Croton Avenue, Ossining, NY Project No. 12060 SESI Consulting Engineers

						SESI Consultin	g Eligilieers						
Client Sample ID:				SB-16(4.5-5.0)	SB-17(6-6.5)	SB-18_2.0_2.5	SB-18_7.0_7.5	SB-19_3.0_3.5	SB-19_4.0_4.5	SB-20_3.0_3.5	SB-21_2.0_2.5	SB-22_2.0_2.5	SB-23_2.0_2.5
Lab Sample ID:		USCO	RRSCO	JD30019-5	JD30019-6	JD30962-1	JD30962-2	JD30962-3	JD30962-4	JD30962-5	JD30962-6	JD30962-7	JD30962-8
Date Sampled:				8/16/2021	8/16/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth:	Units			4.5-5.0'	6-6.5'	2.0-2.5'	7.0-7.5'	3.0-3.5'	4.0-4.5'	3.0-3.5'	2.0-2.5'	2.0-2.5'	2.0-2.5'
·	•			•		•	•	•	•	•	•	•	
4,4'-DDT	mg/kg	0.0033	7.9	ND (0.00060)	ND (0.00062)	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	mg/kg	0.014	11	ND (0.00053)	ND (0.00054)	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan sulfate	mg/kg	2.4	24	ND (0.00053)	ND (0.00055)	NA	NA	NA	NA	NA	NA	NA	NA
Endrin aldehyde	mg/kg	-	-	ND (0.00039)	ND (0.00040)	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan-l	mg/kg	2.4	24	ND (0.00039)	ND (0.00040)	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan-II	mg/kg	2.4	24	ND (0.00042)	ND (0.00044)	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor	mg/kg	0.042	2.1	ND (0.00059)	ND (0.00060)	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	mg/kg	-	-	ND (0.00048)	ND (0.00049)	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	mg/kg	-	-	ND (0.00054)	ND (0.00056)	NA	NA	NA	NA	NA	NA	NA	NA
Endrin ketone	mg/kg	-	-	ND (0.00049)	ND (0.00051)	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene	mg/kg	-	-	ND (0.016)	ND (0.016)	NA	NA	NA	NA	NA	NA	NA	NA
GC/LC Semi-volatiles (SW846	6 8082A)												
Aroclor 1016	mg/kg	0.1	1 1	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.016)	ND (0.016)
Aroclor 1221	mg/kg	0.1	1	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.020)	ND (0.022)	ND (0.021)	ND (0.023)	ND (0.021)	ND (0.021)	ND (0.021)
Aroclor 1232	mg/kg	0.1	1	ND (0.022)	ND (0.022)	ND (0.022)	ND (0.021)	ND (0.023)	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.022)
Aroclor 1242	mg/kg	0.1	1	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Aroclor 1248	mg/kg	0.1	1 1	ND (0.030)	ND (0.031)	ND (0.030)	ND (0.029)	ND (0.032)	ND (0.031)	ND (0.033)	ND (0.030)	ND (0.030)	ND (0.031)
Aroclor 1254	mg/kg	0.1	1	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.018)	ND (0.019)	ND (0.019)	ND (0.020)	ND (0.018)	ND (0.018)	0.0196 J
Aroclor 1260	mg/kg	0.1	1	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.014)	ND (0.015)
Aroclor 1268	mg/kg	0.1	1	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.014)
Aroclor 1262	mg/kg	0.1	1	ND (0.022)	ND (0.023)	ND (0.022)	ND (0.021)	ND (0.023)	ND (0.023)	ND (0.024)	ND (0.022)	ND (0.022)	ND (0.022)
				•					•	•	•		
Metals Analysis													
Aluminum	l ma/ka		T	15600	10700	12800	13500	14900	14800	13400	13000	12900	13300
	mg/kg		-										
Antimony	mg/kg	-		<4.3 ^g	<2.1	<2.2	<2.2	<2.2	<2.3	<2.2	<2.1	3	<2.3
Arsenic	mg/kg	13	16	<4.3 ^g	2.6	<4.4 ^g	<2.2	<4.4 ^g	<4.7 ^g	<4.4 ^g	<4.3 ^g	85.4	<4.6 ^g
Barium	mg/kg	350	400	160	128	139	165	141	142	135	125	122	144
Beryllium	mg/kg	7.2	72	1.0 ^g	0.74 ^g	0.54 ^g	0.56 ^g	0.66 ^g	0.63 ^g	0.63 ^g	0.57 ^g	<1.1 ^g	0.59 ^g
Cadmium	mg/kg	2.5	4.3	<1.1 ^g	<0.53	<1.1 ^g	<0.56	<1.1 ^g	<1.2 ^g	<1.1 ^g	<1.1 ^g	<0.56	<1.1 ^g
Calcium	mg/kg	-	-	8340	9090	4650	7010	2650	3270	2910	4570	10900	5880
Chromium	mg/kg	-	-	27.5	17.5	25.1	22.5	24.7	24.8	22.2	22.5	17.7	22.9
Cobalt	mg/kg	-	-	12.9 ^g	<11 ^g	<11 ^g	<11 ^g	11.4 ^g	<12 ^g	<11 ^g	<11 ^g	<28 ^g	<11 ^g
Copper	mg/kg	50	270	22.9 ^g	11.8	17.1 ^g	15.8	25.5 ^g	22.6 ^g	17.1 ^g	18.1 ^g	15.8	30.2 ^g
Iron	mg/kg	-	-	24800	18500	24700	21800	27300	24900	22800	23400	21200	26200
Lead	mg/kg	63	400	8.1 ^g	3.5	12.9 ^g	6.5	16.7 ^g	15.0 ^g	6.6 ^g	11.0 ^g	31.2	40.9 ^g
Magnesium	mg/kg	-	-	8340	6100	5680	7200	5800	5980	5370	5850	6080	6970
Manganese	mg/kg	1600	2000	624 ^g	228	267	405	368	463	319	298	336	321
Mercury	mg/kg	0.18	0.81	<0.030	<0.031	<0.034	<0.029	<0.029	<0.037	<0.030	<0.033	<0.035	<0.034
Nickel	mg/kg	30	310	27.7	15	16.8	18	21.8	20.3	17.8	16.8	15.4	17.9
Potassium	mg/kg	- 30	- 510	6230	5230	5370	6220	5580	5470	4950	5140	4130	5420
		3.9	180	<4.3 ^{g,h}	<2.1	<4.4 ^{g,h}	<2.2	<4.4 ^{g,h}	<4.7 ^{g,h}	<4.4 ^{g,h}	<4.3 ^{g,h}		<4.6 ^{g,h}
Selenium	mg/kg											12.9	
Silver	mg/kg	2	180	1.8 ^g	1.5 ^g	2.0 ^g	2.3 ^g	2.0 ^g	2.0 ^g	1.5 ^g	1.9 ^g	<2.8 ^{g,h}	2.0 ^g
Sodium	mg/kg	-	-	<1100	<1100	<1100	<1100	<1100	<1200	<1100	<1100	<1100	<1100
Thallium	mg/kg	-	-	<2.2 ^g	<2.1 ^g	<2.2 ^g	<2.2 ^g	<2.2 ^g	<2.3 ^g	<2.2 ^g	<2.1 ^g	<5.6 ^g	<2.3 ^g

Client Sample ID:				SB-16(4.5-5.0)	SB-17(6-6.5)	SB-18_2.0_2.5	SB-18_7.0_7.5	SB-19_3.0_3.5	SB-19_4.0_4.5	SB-20_3.0_3.5	SB-21_2.0_2.5	SB-22_2.0_2.5	SB-23_2.0_2.5
Lab Sample ID:		USCO	RRSCO	JD30019-5	JD30019-6	JD30962-1	JD30962-2	JD30962-3	JD30962-4	JD30962-5	JD30962-6	JD30962-7	JD30962-8
Date Sampled:				8/16/2021	8/16/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021	9/2/2021
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Sample Depth:	Units			4.5-5.0'	6-6.5'	2.0-2.5'	7.0-7.5'	3.0-3.5'	4.0-4.5'	3.0-3.5'	2.0-2.5'	2.0-2.5'	2.0-2.5'
			-								-	-	
Vanadium	mg/kg	-	-	38.1	27	33.7	32.1	33.2	34.3	33	30.8	37.3	35.8
Zinc	mg/kg	109	10000	54.8	43.3	97.5	50.7	58.7	58.7	50.8	50.9	42.9	68
											-	-	
General Chemistry													
Cyanide	mg/kg	27	27	<0.28	< 0.30	NA							
Solids, Percent	%	-	-	92.6	95.4	91.4	91.7	91.4	89.7	90.5	91	92.9	92.1

Footnotes:

Additional Notes:

mg/kg = Miligrams per kilogram

ND = Not Detected

- = No soil cleanup objective established

NA = Not Analyzed

J = The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL)

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

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

Compound was detected

= Concentration exceeds USCOs

Concentration exceeds RRSCOs

^a Associated CCV outside of control limits low.

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

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

^d This compound in BS is outside in house QC limits bias high.

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

 $^{^{\}rm f}$ More than 40 % RPD for detected concentrations between the two GC columns.

⁹ Elevated detection limit due to dilution required for high interfering elemer

^h Elevated detection limit over USCOs due to dilution required for high interfering element.

Table 3.3 - Groundwater Analytical Table September 3, 2021

Client Sample ID:			TW-1	TW-2
Lab Sample ID: Date Sampled:		AWQS	JD31011-1 & JD31011-1A 9/3/2021	JD31011-2 & JD31011-2A 9/3/2021
Matrix:	Units		Groundwater	Groundwater
iviau ix.	Ullita		Groundwater	Groundwater
MS Volatiles (SW846 8260D)				
ino voidines (evve-re ozoob)				
Acetone	ug/l	50	26.9	7.9 J
Benzene	ug/l	1	2.2	2.7
Bromochloromethane	ug/l	5	ND (0.48)	ND (0.48)
Bromodichloromethane	ug/l	50	ND (0.45)	ND (0.45)
Bromoform	ug/l	50	ND (0.63)	ND (0.63)
Bromomethane	ug/l	5	ND (1.6)	ND (1.6)
2-Butanone (MEK)	ug/l	50	ND (6.9)	ND (6.9)
Carbon disulfide	ug/l	60	ND (0.46)	ND (0.46)
Carbon tetrachloride	ug/l	5	ND (0.55)	ND (0.55)
Chlorobenzene	ug/l	5	ND (0.56)	ND (0.56)
Chloroethane	ug/l	5	ND (0.73)	ND (0.73)
Chloroform	ug/l	7	ND (0.50)	ND (0.50)
Chloromethane	ug/l	5	ND (0.76)	ND (0.76)
Cyclohexane	ug/l	-	ND (0.78)	ND (0.78)
1,2-Dibromo-3-chloropropane	ug/l	0.04	ND (0.53) ^e	ND (0.53) ^e
Dibromochloromethane	ug/l	50	ND (0.56)	ND (0.56)
1.2-Dibromoethane	ug/l	0.0006	ND (0.48) ^e	ND (0.48) ^e
1,2-Dichlorobenzene	ug/l	3	ND (0.53)	ND (0.53)
1,3-Dichlorobenzene	ug/l	3	ND (0.54)	ND (0.54)
1,4-Dichlorobenzene	ug/l	3	ND (0.51)	ND (0.51)
Dichlorodifluoromethane	ug/l	5	ND (0.56) ^a	ND (0.56) ^a
1,1-Dichloroethane	ug/l	5	ND (0.57)	ND (0.57)
1.2-Dichloroethane	ug/l	0.6	ND (0.60)	ND (0.60)
1,1-Dichloroethene	ug/l	5	ND (0.59)	ND (0.59)
cis-1,2-Dichloroethene	ug/l	5	ND (0.51)	ND (0.51)
trans-1,2-Dichloroethene	ug/l	5	ND (0.54)	ND (0.54)
1,2-Dichloropropane	ug/l	1	ND (0.51)	ND (0.51)
cis-1,3-Dichloropropene	ug/l	0.4	ND (0.47) ^e	ND (0.47) ^e
trans-1,3-Dichloropropene	ug/l	0.4	ND (0.43) ^e	ND (0.43) ^e
Ethylbenzene	ug/l	5	12.2	12.5
Freon 113	ug/l	5	ND (0.58)	ND (0.58)
2-Hexanone	ug/l	50	ND (2.0)	ND (2.0)
Isopropylbenzene	ug/l	5	1.9	1.5
Methyl Acetate	ug/l	-	ND (0.80) ^b	ND (0.80) ^b
Methylcyclohexane	ug/l	-	1.1 J	0.87 J
Methyl Tert Butyl Ether	ug/l	10	ND (0.51)	ND (0.51)
4-Methyl-2-pentanone(MIBK)	ug/l	-	ND (1.9)	ND (1.9)
Methylene chloride	ug/l	5	ND (1.0) ^b	ND (1.0) b
Styrene	ug/l	5	ND (0.49)	ND (0.49)
1,1,2,2-Tetrachloroethane	ug/l	5	ND (0.45)	ND (0.45)
Tetrachloroethene	ug/l	5	ND (0.90)	ND (0.90)
Toluene	ug/l	5	11.1	25.2
1,2,3-Trichlorobenzene	ug/l	5	ND (0.50)	ND (0.50)
1,2,4-Trichlorobenzene	ug/l	5	ND (0.50)	ND (0.50)
1,1,1-Trichloroethane	ug/l	5	ND (0.54)	ND (0.54)

Table 3.3 - Groundwater Analytical Table September 3, 2021

Client Sample ID:			TW-1	TW-2
Lab Sample ID:		AWQS	JD31011-1 & JD31011-1A	JD31011-2 & JD31011-2A
Date Sampled:			9/3/2021	9/3/2021
Matrix:	Units		Groundwater	Groundwater
1,1,2-Trichloroethane	ug/l	1	ND (0.53)	ND (0.53)
Trichloroethene	ug/l	5	ND (0.53)	ND (0.53)
Trichlorofluoromethane	ug/l	5	ND (0.40)	ND (0.40)
Vinyl chloride	ug/l	2	ND (0.79)	ND (0.79)
m,p-Xylene	ug/l	-	44.7	93.9
o-Xylene	ug/l	5	18.2	49.1
Xylene (total)	ug/l	5	62.9	143
MS Volatile TIC				
Tatal TIC Malatili	.,n		400.5.1	000 5 1
Total TIC, Volatile	ug/l	-	122.5 J	233.5 J
MS Semi-volatiles (EPA 537M E	SV ID)			
MS Semi-volatiles (EPA 537M E	(טו זפ			
Perfluorobutanoic acid	ng/l	-	2.8 J	ND (3.4)
Perfluoropentanoic acid	ng/l		1.4 J	ND (1.7)
Perfluorohexanoic acid	ng/l	-	1.5 J	ND (1.7)
Perfluoroheptanoic acid	ng/l	<u> </u>	ND (1.3)	ND (1.7)
Perfluorooctanoic acid	ng/l	10	2.8	ND (1.7)
Perfluorononanoic acid	ng/l	-	ND (1.3)	ND (1.7)
Perfluorodecanoic acid	ng/l		ND (1.3)	ND (1.7)
Perfluoroundecanoic acid	ng/l		ND (1.3)	ND (1.7)
Perfluorododecanoic acid	ng/l		ND (1.3)	ND (1.7)
Perfluorotridecanoic acid	ng/l	-	ND (1.3)	ND (1.7)
			` '	ND (8.6) °
Perfluorotetradecanoic acid Perfluorobutanesulfonic acid	ng/l	-	ND (1.3) 1.6 J	
	ng/l	-		ND (1.7)
Perfluorohexanesulfonic acid	ng/l	-	2.7	ND (1.7)
Perfluoroheptanesulfonic acid Perfluorooctanesulfonic acid	ng/l	-	ND (1.3) 1.3 J	ND (1.7)
	ng/l	10		ND (1.7)
Perfluorodecanesulfonic acid PFOSA	ng/l	-	ND (1.3)	ND (1.7)
	ng/l	-	ND (2.5)	ND (3.4)
MeFOSAA	ng/l	-	ND (2.5)	ND (3.4)
EtFOSAA	ng/l	-	ND (2.5)	ND (3.4)
6:2 Fluorotelomer sulfonate	ng/l	-	36.3	59.7
8:2 Fluorotelomer sulfonate	ng/l	-	ND (2.5)	ND (3.4)
MS Semi-volatiles (SW846 8270	ובו			
1813 Sellii-Volatiles (300040 827)) <u> </u>			
2-Chlorophenol	ug/l	-	ND (0.91)	ND (0.60)
4-Chloro-3-methyl phenol	ug/l	-	ND (0.99)	ND (0.66)
2,4-Dichlorophenol	ug/l	1	ND (1.4) ^e	ND (0.93)
•	-	1	ND (2.7) ^e	
2,4-Dimethylphenol	ug/l			ND (1.8) ^e
2,4-Dinitrophenol	ug/l	1	ND (1.7) ^e	ND (1.1) ^e
4,6-Dinitro-o-cresol	ug/l	-	ND (1.4)	ND (0.96)
2-Methylphenol	ug/l	-	1.1 J	0.68 J
3&4-Methylphenol	ug/l	-	1.1 J	1.3 J
2-Nitrophenol	ug/l	-	ND (1.1)	ND (0.71)

Table 3.3 - Groundwater Analytical Table September 3, 2021 136-140 Croton Avenue, Ossining, NY

Client Sample ID:			TW-1	TW-2
Lab Sample ID:		AWQS	JD31011-1 & JD31011-1A	JD31011-2 & JD31011-2A
Date Sampled:			9/3/2021	9/3/2021
Matrix:	Units		Groundwater	Groundwater
4-Nitrophenol	ug/l	-	ND (1.3)	ND (0.85)
Pentachlorophenol	ug/l	1	ND (1.5) ^e	ND (1.0)
Phenol	ug/l	1	ND (0.44)	ND (0.29)
2,3,4,6-Tetrachlorophenol	ug/l	_	ND (1.6)	ND (1.1)
2,4,5-Trichlorophenol	ug/l	-	ND (1.5)	ND (0.98)
2,4,6-Trichlorophenol	ug/l	-	ND (1.0)	ND (0.68)
Acenaphthene	ug/l	20	ND (0.21)	ND (0.14)
Acenaphthylene	ug/l	-	ND (0.15)	0.31 J
Acetophenone	ug/l	-	ND (0.23)	ND (0.15)
Anthracene	ug/l	50	ND (0.23)	ND (0.16)
Atrazine	ug/l	7.5	ND (0.50)	ND (0.33)
Benzaldehyde	ug/l		ND (0.32)	ND (0.21)
Benzo(a)anthracene	ug/l	0.002	ND (0.23) ^e	ND (0.15) ^e
Benzo(a)pyrene	ug/l	0.002	ND (0.24) ^e	ND (0.16) ^e
Benzo(b)fluoranthene	ug/l	0.002	ND (0.23) ^e	ND (0.15) ^e
Benzo(g,h,i)perylene	ug/l	-	ND (0.38)	ND (0.25)
Benzo(k)fluoranthene	ug/l	0.002	ND (0.23) ^e	ND (0.15) ^e
4-Bromophenyl phenyl ether	ug/l	-	ND (0.45)	ND (0.30)
Butyl benzyl phthalate	ug/l	50	ND (0.51)	ND (0.34)
1,1'-Biphenyl	ug/l	5	ND (0.24)	0.28 J
2-Chloronaphthalene	ug/l	10	ND (0.26)	ND (0.17)
4-Chloroaniline	ug/l	5	ND (0.38)	ND (0.25)
Carbazole	ug/l	-	ND (0.25)	ND (0.17)
Caprolactam	ug/l	-	132	66.4
Chrysene	ug/l	0.002	ND (0.20) ^e	ND (0.13) ^e
bis(2-Chloroethoxy)methane	ug/l	5	ND (0.31)	ND (0.20)
bis(2-Chloroethyl)ether	ug/l	1	ND (0.28)	ND (0.18)
2,2'-Oxybis(1-chloropropane)	ug/l	5	ND (0.45)	ND (0.30)
4-Chlorophenyl phenyl ether	ug/l	-	ND (0.41)	ND (0.27)
2,4-Dinitrotoluene	ug/l	5	ND (0.61)	ND (0.41)
2,6-Dinitrotoluene	ug/l	5	ND (0.53)	ND (0.35)
3,3'-Dichlorobenzidine	ug/l	5	ND (0.56)	ND (0.37)
1,4-Dioxane	ug/l	-	ND (0.73)	0.92
Dibenzo(a,h)anthracene	ug/l	-	ND (0.37)	ND (0.24)
Dibenzofuran	ug/l	-	ND (0.24)	ND (0.16)
Di-n-butyl phthalate	ug/l	50	35.4 B	8.0 B
Di-n-octyl phthalate	ug/l	50	ND (0.26)	ND (0.17)
Diethyl phthalate	ug/l	50	11.6	3.2
Dimethyl phthalate	ug/l	50	ND (0.24)	ND (0.16)
bis(2-Ethylhexyl)phthalate	ug/l	5	ND (1.8)	ND (1.2)
Fluoranthene	ug/l	50	ND (0.19)	ND (0.12)
Fluorene	ug/l	50	ND (0.19)	ND (0.13)
Hexachlorobenzene	ug/l	0.04	ND (0.36) ^e	ND (0.24) ^e
Hexachlorobutadiene	ug/l	0.5	ND (0.55) ^e	ND (0.36)
Hexachlorocyclopentadiene	ug/l	5	ND (3.1) ^a	ND (2.0) ^a
Hexachloroethane	ug/l	5	ND (0.43)	ND (0.29)

Table 3.3 - Groundwater Analytical Table September 3, 2021

Client Sample ID:			TW-1	TW-2
Lab Sample ID:		AWQS	JD31011-1 & JD31011-1A	JD31011-2 & JD31011-2A
Date Sampled:			9/3/2021	9/3/2021
Matrix:	Units		Groundwater	Groundwater
	·			
Indeno(1,2,3-cd)pyrene	ug/l	0.002	ND (0.37) ^e	ND (0.24) ^e
Isophorone	ug/l	50	ND (0.31)	ND (0.20)
2-Methylnaphthalene	ug/l	50	3.3	10.2
2-Nitroaniline	ug/l	5	ND (0.31)	ND (0.20)
3-Nitroaniline	ug/l	5	ND (0.43)	ND (0.28)
4-Nitroaniline	ug/l	5	ND (0.49)	ND (0.32)
Naphthalene	ug/l	10	4.7	16.3
Nitrobenzene	ug/l	0.4	ND (0.71) ^e	ND (0.47) ^e
N-Nitroso-di-n-propylamine	ug/l	-	ND (0.53)	ND (0.35)
N-Nitrosodiphenylamine	ug/l	-	ND (0.25)	ND (0.16)
Phenanthrene	ug/l	50	ND (0.19)	ND (0.13)
Pyrene	ug/l	50	ND (0.24)	ND (0.16)
1,2,4,5-Tetrachlorobenzene	ug/l	5	ND (0.41)	ND (0.27)
	•			
MS Semi-volatiles (SW846 827	0E BY SI	VI)		
1,4-Dioxane	ug/l	-	0.219	1.22
MS Semi-volatile TIC				
W3 Semi-volatile 110				
Total TIC, Semi-Volatile	ug/l	-	217.4 J	351.6 J
GC/LC Somi-volatiles (SW846	2021B)			
GC/LC Semi-volatiles (SW846	8081B)			
·		ND	ND (0.0046)	ND (0.0046)
Aldrin	ug/l	ND 0.01	ND (0.0046) ND (0.0046)	ND (0.0046) ND (0.0046)
Aldrin alpha-BHC	ug/l ug/l	0.01	ND (0.0046)	ND (0.0046)
Aldrin	ug/l ug/l ug/l	0.01 0.04	ND (0.0046) ND (0.0071)	ND (0.0046) ND (0.0071)
Aldrin alpha-BHC beta-BHC delta-BHC	ug/l ug/l ug/l ug/l	0.01	ND (0.0046) ND (0.0071) ND (0.0058)	ND (0.0046) ND (0.0071) ND (0.0058)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane)	ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane	ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane	ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 -	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin	ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - - 0.004	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD	ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - - 0.004 0.3	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) ND (0.00651) ND (0.0045)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) ND (0.00651) ND (0.0045)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051) ND (0.0045) ND (0.0061)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051) ND (0.0045) ND (0.0061)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT Endrin	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2 ND	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051) ND (0.0045) ND (0.0061) ND (0.0054)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051) ND (0.0045) ND (0.0061) ND (0.0054)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT Endrin Endosulfan sulfate	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2 ND	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051) ND (0.0045) ND (0.0061) ND (0.0054) ND (0.0048)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051) ND (0.0045) ND (0.0061)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT Endrin Endosulfan sulfate Endrin aldehyde	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2 ND	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) ND (0.0061) ND (0.0061) ND (0.0054) ND (0.0048) ND (0.0060)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) ND (0.0061) ND (0.0061) ND (0.0054) ND (0.0048) ND (0.0060)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT Endrin Endosulfan sulfate	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2 ND - 5	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) ND (0.0061) ND (0.0061) ND (0.0054) ND (0.0048) ND (0.0060) ND (0.0055)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) ND (0.00651) ND (0.0045) ND (0.0061) ND (0.0054) ND (0.0048) ND (0.0060) ND (0.0055)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDT Endrin Endosulfan sulfate Endrin aldehyde Endrin ketone Endosulfan-I	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2 ND - 5	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0068) ND (0.0068) ND (0.00651) ND (0.0061) ND (0.0064) ND (0.0054) ND (0.0060) ND (0.0065) ND (0.0065) ND (0.0047)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) ND (0.00651) ND (0.0045) ND (0.0061) ND (0.0054) ND (0.0048) ND (0.0060) ND (0.0055) ND (0.0047)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT Endrin Endosulfan sulfate Endrin aldehyde Endrin ketone Endosulfan-I Endosulfan-II	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2 ND - 5	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) ND (0.00651) ND (0.0061) ND (0.0064) ND (0.0054) ND (0.0064) ND (0.0060) ND (0.0055) ND (0.0047) ND (0.0043)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) ND (0.00651) ND (0.0061) ND (0.0064) ND (0.0054) ND (0.0064) ND (0.0060) ND (0.0055) ND (0.0047) ND (0.0043)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDT Endrin Endosulfan sulfate Endrin aldehyde Endrin ketone Endosulfan-I Endosulfan-II Heptachlor	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2 ND - 5 - -	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) * ND (0.0061) ND (0.0061) ND (0.0064) ND (0.0064) ND (0.0060) ND (0.0055) ND (0.0047) ND (0.0040)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051) ND (0.0051) ND (0.0061) ND (0.0054) ND (0.0064) ND (0.0060) ND (0.0055) ND (0.0047) ND (0.0043) ND (0.0040)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDE 4,4'-DDT Endrin Endosulfan sulfate Endrin aldehyde Endrin ketone Endosulfan-I Endosulfan-II Heptachlor Heptachlor epoxide	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2 ND - 5 - - 0.004	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0053) ND (0.0044) ND (0.0068) ND (0.0068) ND (0.0051) ND (0.0051) ND (0.0061) ND (0.0054) ND (0.0054) ND (0.0060) ND (0.0055) ND (0.0047) ND (0.0043) ND (0.0040) ND (0.0053)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0061) ND (0.0045) ND (0.0045) ND (0.0048) ND (0.0048) ND (0.0055) ND (0.0047) ND (0.0043) ND (0.0040) ND (0.0053)
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) alpha-Chlordane gamma-Chlordane Dieldrin 4,4'-DDD 4,4'-DDT Endrin Endosulfan sulfate Endrin aldehyde Endrin ketone Endosulfan-I Endosulfan-II Heptachlor	ug/l ug/l ug/l ug/l ug/l ug/l ug/l ug/l	0.01 0.04 0.04 0.05 - 0.004 0.3 0.2 0.2 ND - 5 - -	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) * ND (0.0061) ND (0.0061) ND (0.0064) ND (0.0064) ND (0.0060) ND (0.0055) ND (0.0047) ND (0.0040)	ND (0.0046) ND (0.0071) ND (0.0058) ND (0.0053) ND (0.0044) ND (0.0038) ND (0.0068) e ND (0.0051) ND (0.0051) ND (0.0061) ND (0.0054) ND (0.0064) ND (0.0060) ND (0.0055) ND (0.0047) ND (0.0043) ND (0.0040)

Table 3.3 - Groundwater Analytical Table September 3, 2021 136-140 Croton Avenue, Ossining, NY

Olient Commis ID:			TIM 4	TIM O
Client Sample ID:			TW-1	TW-2
Lab Sample ID:		AWQS	JD31011-1 &	JD31011-2 &
Date Sampled:			JD31011-1A 9/3/2021	JD31011-2A 9/3/2021
Matrix:	Units		Groundwater	Groundwater
GC/LC Semi-volatiles (SW8	846 8082A)			
Annalan 4040	//	0.00	ND (0.47) ^e	l NA
Aroclor 1016	ug/l	0.09	ND (0.17) ^e	NA NA
Aroclor 1221	ug/l	0.09	ND (0.37) ^e	NA NA
Aroclor 1232	ug/l	0.09	ND (0.23) ^e	NA
Aroclor 1242	ug/l	0.09	ND (0.20) ^e	NA
Aroclor 1248	ug/l	0.09	ND (0.11) ^e	NA
Aroclor 1254	ug/l	0.09	ND (0.37) ^e	NA
Aroclor 1260	ug/l	0.09	ND (0.14) ^e	NA
Aroclor 1268	ug/l	0.09	ND (0.15) ^e	NA
Aroclor 1262	ug/l	0.09	ND (0.17) ^e	NA
Metals Analysis				
Aluminum	ug/l	-	393000	NA
Antimony	ug/l	3	<30 ^{d,e}	NA
Arsenic	ug/l	25	29.6 ^d	NA
Barium	ug/l	1000	4140	NA
Beryllium	ug/l	3	10.9 ^d	NA
Cadmium	ug/l	5	<15 ^{d,e}	NA
Calcium	ug/l	-	497000	NA
Chromium	ug/l	50	728 ^d	NA
Cobalt	ug/l	_	<250 ^d	NA
Copper	ug/l	200	485 ^d	NA
Iron	ug/l	300	602000	NA
Lead	ug/l	25	194 ^d	NA
Magnesium	ug/l	35000	402000	NA
Manganese	ug/l	300	9180 ^d	NA
Mercury	ug/l	0.7	<1.2 ^e	NA
Nickel	ug/l	100	481 ^d	NA
Potassium	ug/l	-	196000 ^d	NA
Selenium	ug/l	10	<50 ^{d,e}	NA
Silver	ug/l	50	59.4 ^d	NA
Sodium	ug/l	20000	24400	NA
Thallium	ug/l	-	<50 ^d	NA
Vanadium	ug/l	-	766	NA
Zinc	ug/l	2000	1670	NA
Company Charrister				
General Chemistry				
Cyanide	ug/l	200	<10	NA NA
,	1 3.			

Table 3.3 - Groundwater Analytical Table

September 3, 2021

136-140 Croton Avenue, Ossining, NY

Project No. 12060 SESI Consulting Engineers

Client Sample ID:			TW-1	TW-2		
Lab Sample ID:	Sample ID:		JD31011-1 & JD31011-1A	JD31011-2 & JD31011-2A		
Date Sampled:			9/3/2021	9/3/2021		
Matrix:	Units		Groundwater	Groundwater		
		-		-		

Notes:

NYSDEC = New York State Department of Environmental Conservation.

AWQS = Ambient Water Quality Standards.

ND = Compound not detected.

ug/I = Micrograms per liter.

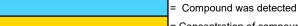
ng/I = Nanograms per liter

- = No AWQS established

J = The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL).

NT = Not Tested

- a = Associated CCV outside of control limits high, sample was ND.
- ^b = Associated CCV outside of control limits low.
- c = Associated ID Standard outside control limits due to matrix interference. Confirmed by reanalysis.
- d = Elevated detection limit due to dilution required for high interfering element.
- ^e = Detection limit above AWQS or associated guidance



= Concentration of compound exceeds the AWQS

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.

¹ NOTE: The above contain the following criteria that must be evaluated manually by the user:

Table 3.5 - Soil Gas and Ambient Air Analytical Table August 16, 2021 136-140 Croton Avenue, Ossining, NY

Project No. 12060 SESI Consulting Engineers

211 12 1 12	_			31 Consultin			00.4	20.5	
Client Sample ID:	J.,,,			SG-1	SG-2	SG-3	SG-4	SG-5	AA-1
Lab Sample ID:	NYSDOH	NYSDOH	NYSDOH	JD30012-1	JD30012-2	JD30012-3	JD30012-4	JD30012-5	JD30012-6
Date Sampled:	_ Matrix A	Matrix B	Matrix C	8/16/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021	8/16/2021
Matrix:				Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Ambient Air
MS Volatiles (TO-15) - ug/m	3								
<u> </u>									
Acetone (2-Propanone)				20300	164	615	216000	511	7.8
1,3-Butadiene				ND (130)	221	113	ND (690)	143	ND (0.082)
Benzene				8210	37.1	26	28500	48.6	0.42 J
Bromodichloromethane				ND (230)	ND (3.6)	ND (3.6)	ND (1200)	ND (3.6)	ND (0.14)
Bromoform				ND (500)	ND (7.8)	ND (7.8)	ND (2600)	ND (7.8)	ND (0.31)
Bromomethane				ND (110)	ND (1.7)	ND (1.7)	ND (580)	ND (1.7)	ND (0.070)
Bromoethene				ND (120)	ND (1.9)	ND (1.9)	ND (660)	ND (1.9)	ND (0.079)
Benzyl Chloride				ND (370)	ND (5.7)	ND (5.7)	ND (2000)	ND (5.7)	ND (0.23)
Carbon disulfide				ND (93)	24	9.0 J	ND (500)	17	ND (0.059)
Chlorobenzene				ND (160)	ND (2.4)	ND (2.4)	ND (830)	ND (2.4)	ND (0.097)
Chloroethane	+			ND (160)	ND (2.6)	ND (2.6)	ND (870)	ND (2.6)	ND (0.10)
Chloroform				ND (120)	ND (2.0)	ND (2.0)	ND (630)	ND (2.0)	ND (0.078)
Chloromethane				ND (41)	6.4 J	ND (0.64)	ND (030)	19	0.85
									ND (0.10)
3-Chloropropene				ND (160)	ND (2.5)	ND (2.5)	ND (850)	ND (2.5)	, ,
2-Chlorotoluene	1			ND (170)	ND (2.6)	ND (2.6)	ND (880)	ND (2.6)	ND (0.10)
Carbon tetrachloride	6			ND (190)	ND (3.0)	ND (3.0)	ND (1000)	ND (3.0)	0.43
Cyclohexane				ND (96)	ND (1.5)	ND (1.5)	888000	17	ND (0.062)
1,1-Dichloroethane	6			ND (61)	ND (0.93)	ND (0.93)	ND (320)	ND (0.93)	ND (0.038)
1,1-Dichloroethylene				ND (83)	ND (1.3)	ND (1.3)	ND (440)	ND (1.3)	ND (0.052)
1,2-Dibromoethane (EDB)				ND (180)	ND (2.8)	ND (2.8)	ND (920)	ND (2.8)	ND (0.11)
1,2-Dichloroethane				ND (110)	ND (1.7)	ND (1.7)	ND (570)	ND (1.7)	ND (0.069)
1,2-Dichloropropane	1			ND (120)	ND (1.8)	ND (1.8)	ND (600)	ND (1.8)	ND (0.069)
1,4-Dioxane				ND (240)	ND (3.6)	ND (3.6)	ND (1300)	ND (3.6)	ND (0.15)
Dichlorodifluoromethane				ND (100)	ND (1.6)	ND (1.6)	ND (540)	ND (1.6)	1.8
Dibromochloromethane				ND (370)	ND (5.7)	ND (5.7)	ND (2000)	ND (5.7)	ND (0.23)
trans-1,2-Dichloroethylene	_			ND (37)	ND (0.59)	ND (0.59)	ND (190)	ND (0.59)	ND (0.023)
cis-1,2-Dichloroethylene	6			ND (59)	ND (0.91)	ND (0.91)	ND (310)	ND (0.91)	ND (0.037)
cis-1,3-Dichloropropene	$+$ $\overset{\circ}{-}$			ND (110)	ND (1.8)	ND (1.8)	ND (510)	ND (1.8)	ND (0.037)
m-Dichlorobenzene	+			ND (140)	ND (1.0) ND (2.3)	ND (1.0)	ND (780)	ND (2.3)	ND (0.090)
o-Dichlorobenzene							` '		
				ND (170)	ND (2.6)	ND (2.6)	ND (900)	ND (2.6)	ND (0.10)
p-Dichlorobenzene				ND (130)	ND (2.1)	ND (2.1)	ND (720)	ND (2.1)	ND (0.084)
trans-1,3-Dichloropropene				ND (110)	ND (1.8)	ND (1.8)	ND (590)	ND (1.8)	ND (0.073)
Ethanol				ND (530)	51.8	360	ND (2800)	383	3.8
Ethylbenzene				5170	39	25	62100	20	0.42 J
Ethyl Acetate				ND (170)	33	66.2	ND (900)	34	6.1
4-Ethyltoluene				ND (190)	30	ND (2.9)	ND (980)	ND (2.9)	ND (0.12)
Freon 113				ND (170)	ND (2.6)	ND (2.6)	ND (920)	ND (2.6)	ND (0.11)
Freon 114				ND (170)	ND (2.7)	ND (2.7)	ND (910)	ND (2.7)	ND (0.10)
Heptane				68800	41	27	2490000	27	1.6
Hexachlorobutadiene				ND (620)	ND (9.7)	ND (9.7)	ND (3300)	ND (9.7)	ND (0.38)
Hexane				133000	93.8	44.8	4830000	51.1	2.9
2-Hexanone				ND (190)	ND (3.0)	62.6	ND (1000)	ND (3.0)	ND (0.12)
Isopropyl Alcohol	1			ND (200)	33.7	221	ND (1100)	415	0.74
Methylene chloride	+	100		ND (66)	67	147	ND (340)	504	1.4
Methyl ethyl ketone	+	1.50		ND (160)	112	442	ND (830)	472	0.86
Methyl Isobutyl Ketone	+	-		ND (190)	18	25	ND (830)	27	ND (0.12)
Methyl Tert Butyl Ether	+			ND (90)	ND (1.4)	ND (1.4)	ND (980) ND (470)	ND (1.4)	ND (0.12) ND (0.054)
,	+	 							
Methylmethacrylate	+			ND (170)	ND (2.7)	ND (2.7)	ND (900)	ND (2.7)	ND (0.11)
Propylene	+	ļ		605 J	3320	742	ND (190)	989	ND (0.022)
Styrene	1	100		ND (100)	ND (1.6)	ND (1.6)	ND (550)	ND (1.6)	ND (0.064)
1,1,1-Trichloroethane	1	100		ND (230)	ND (3.6)	ND (3.6)	ND (1200)	ND (3.6)	ND (0.15)
1,1,2,2-Tetrachloroethane	1			ND (240)	ND (3.7)	ND (3.7)	ND (1200)	ND (3.7)	ND (0.15)
1,1,2-Trichloroethane				ND (210)	ND (3.3)	ND (3.3)	ND (1100)	ND (3.3)	ND (0.13)
1,2,4-Trichlorobenzene				ND (820)	ND (13)	ND (13)	ND (4500)	ND (13)	ND (0.53)
1,2,4-Trimethylbenzene				ND (210)	33	ND (3.2)	ND (1100)	ND (3.2)	0.88
1,3,5-Trimethylbenzene				ND (210)	9.3 J	ND (3.3)	ND (1100)	ND (3.3)	ND (0.13)
2,2,4-Trimethylpentane				403000	46	27	395000	14 J	0.93
Tertiary Butyl Alcohol		1		ND (55)	30	57.9	ND (280)	58.5	ND (0.033)
Tetrachloroethylene	1	100		ND (260)	ND (4.2)	ND (4.2)	ND (1400)	ND (4.2)	0.21 J
Tetrahydrofuran	1			ND (190)	ND (2.9)	24	ND (1000)	ND (2.9)	ND (0.12)
Toluene	+			2860	193	170	211000	159	1.3
Trichloroethylene	6			ND (130)	ND (2.0)	ND (2.0)	ND (700)	ND (2.0)	ND (0.081)
	+ -	-		ND (130)	ND (2.0) ND (3.1)	ND (2.0) ND (3.1)	ND (700)	ND (2.0) ND (3.1)	1.3
			6	ND (200) ND (74)	ND (3.1) ND (1.2)	ND (3.1) ND (1.2)	ND (380)	12	ND (0.046)
Trichlorofluoromethane	+			ND (74)		ND(1.2)			ND (0.040)
Trichlorofluoromethane Vinyl chloride			_		VID (0 A)	NID (O.A)	VID (040)	NID (O.4)	ND (0.005)
Trichlorofluoromethane Vinyl chloride Vinyl Acetate			Ů	ND (150)	ND (2.4)	ND (2.4)	ND (810)	ND (2.4)	ND (0.095)
Trichlorofluoromethane Vinyl chloride Vinyl Acetate m,p-Xylene			0	ND (150) 6120	154	89.9	113000	62.5	1.5
Trichlorofluoromethane Vinyl chloride Vinyl Acetate m,p-Xylene o-Xylene			0	ND (150) 6120 1750	154 47.3	89.9 28	113000 24200	62.5 22	1.5 0.52 J
Trichlorofluoromethane Vinyl chloride Vinyl Acetate m,p-Xylene				ND (150) 6120	154	89.9	113000	62.5	1.5

Notes:

NYSDOH Matrix A - NYSDOH Matrix A Sub-slab Vapor Concentration Criteria Lower Threshold NYSDOH Matrix B - NYSDOH Matrix B Sub-slab Vapor Concentration Criteria Lower Threshold NYSDOH Matrix C - NYSDOH Matrix C Sub-slab Vapor Concentration Criteria Lower Threshold

J - Estimate value

ND - Compound not detected ug/m3 - Micrograms per cubic meter

Compound was detected

Concentration of compound exceeds the NYSDOH Matrix A Sub-Slab Vapor Concentrations Criteria