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Remedial Investigation Report

For:

Sun Valley Nursery Filling Station Site

136-140 Croton Avenue

Ossining, New York 10562

NYSDEC BCP Site No.: C360207

Prepared for:

136-140 Croton Avenue, LLC

SESI Project No:
12060

Date:
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CERTIFICATIONS

“I, Fuad Dahan, certify that I am currently a [NYS registered professional engineer or Qualified Environmental Professional as defined in 6 NYCRR Part 375] and that this Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.”

09053101	10/2/2024	
NYS Professional Engineer (#)	Date	Signature

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Table of Contents

LIST OF ACRONYMS ..... **i**
EXECUTIVE SUMMARY ..... **i**
1.0 INTRODUCTION **3**
2.0 BACKGROUND **4**
2.1 SITE DESCRIPTION 4
2.2 SITE HISTORY 4
2.3 PREVIOUS ENVIRONMENTAL INVESTIGATIONS 5
2.3.1 PHASE I ESA AND PHASE II ESA, PREPARED BY BERKSHIRE 5
2.3.2 PHASE I ESA, PREPARED BY SESI 7
2.3.3 PHASE II ESA, PREPARED BY SESI 9
2.3.4 RIWP AND IRMWP, PREPARED BY SESI 10
3.0 SITE SETTING **12**
3.1 TOPOGRAPHY 12
3.2 SURFACE WATER AND DRAINAGE 12
3.3 GEOLOGY 12
3.4 HYDROGEOLOGY 13
4.0 REMEDIAL INVESTIGATION ACTIVITIES **14**
4.1 RI SAMPLING SUMMARY 14
4.2 INVESTIGATION METHODOLOGY 21
4.3 GROUND PENETRATING RADAR SURVEY 22
4.4 SOIL BORINGS AND SAMPLING 22
4.5 WASTE CHARACTERIZATION SAMPLING 23
4.6 MONITORING WELL INSTALLATIONS 23
4.7 GROUNDWATER SAMPLING 24
4.8 SOIL GAS INVESTIGATION 25
4.9 INVESTIGATIVE DERIVED WASTE 26
5.0 REMEDIAL INVESTIGATION RESULTS **27**
5.1 SOIL INVESTIGATION RESULTS 27
5.2 GROUNDWATER RESULTS 29
5.3 SOIL GAS RESULTS 33
6.0 REMEDIAL INVESTIGATION FINDINGS AND SUMMARY **34**
6.1 CONCEPTUAL SITE MODEL 34

6.2 HUMAN HEALTH EXPOSURE ASSESSMENT 36
6.2.1 AREAS OF CONCERN AND CHEMICALS OF CONCERN 36
6.2.2 ACTUAL AND POTENTIAL EXPOSURE PATHWAYS AND RECEPTORS 37
6.3 FISH AND WILDLIFE IMPACT ANALYSIS 38
6.4 DATA USABILITY SUMMARY REPORT 38
6.5 SUMMARY OF RI RESULTS AND RECOMMENDATIONS 40
7.0 COMMUNITY AIR MONITORING DATA 43
8.0 DEVIATIONS FROM THE RIWP 44
9.0 REFERENCES 45

TABLES

TABLE 4.1 SAMPLING SUMMARY TABLE
TABLE 4.2 WELL GAUGING AND SURVEYING DATA SUMMARY
TABLE 5.1 RI SOIL ANALYTICAL RESULTS SUMMARY
TABLE 5.2A RI SOIL EXCEEDANCES—VOCs
TABLE 5.2B RI SOIL EXCEEDANCES—SVOCs AND METALS
TABLE 5.3 RI GROUNDWATER ANALYTICAL RESULTS SUMMARY
TABLE 5.4 RI GROUNDWATER SAMPLE EXCEEDANCES SUMMARY
TABLE 5.5 RI SOIL GAS AND AMBIENT AIR SAMPLE RESULTS SUMMARY
TABLE 5.6 RI SOIL GAS AND AMBIENT AIR DETECTIONS

FIGURES

FIGURE 1.1 SITE LOCATION MAP
FIGURE 2.1 SITE PLAN AND REC/AOC LOCATION MAP
FIGURE 2.2 SAMPLE LOCATION PLAN
FIGURE 2.3 SOIL SAMPLE LOCATION PLAN AND RESULTS
FIGURE 2.4 GROUNDWATER SAMPLING LOCATION PLAN AND RESULTS
FIGURE 2.5 SOIL VAPOR SAMPLING LOCATION PLAN AND RESULTS
FIGURE 3.1 DEPTH TO ON-SITE REFUSAL
FIGURE 3.2 GROUNDWATER CONTOUR MAP

APPENDICES

APPENDIX A PREVIOUS ENVIRONMENTAL REPORTS

APPENDIX B COMMUNITY AIR MONITORING DATA
APPENDIX C GPR REPORT
APPENDIX D BORING/MONITORING WELL CONSTRUCTION LOGS
APPENDIX E WASTE CLASSIFICATION SAMPLING DATA
APPENDIX F GROUNDWATER MONITORING WELL SAMPLING LOGS
APPENDIX G LABORATORY ANALYTICAL REPORTS
APPENDIX H DATA USABILITY STUDY REPORT
APPENDIX I DEVIATION CORRESPONDENCE WITH NYSDEC

LIST OF ACRONYMS

Acronym	Definition
Alpha	Alpha Analytical Laboratory
Amak	Amak Development
AOC	Area of Concern
AST	Aboveground Storage Tank
AWQS	Ambient Water Quality Standards
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
Berkshire	Berkshire Environmental Services & Technology LLC
bgs	Below ground surface
BTEX	benzene, toluene, ethylbenzene, o-Xylene
CAMP	Community Air Monitoring Plan
Coastal	Coastal Environmental Solutions, Inc.
CSM	Conceptual Site Model
CVOC	Chlorinated Volatile Organic Compound
cy	Cubic yard
DER	Division of Environmental Remediation
DER-10	NYSDEC Technical Guidance for Site Investigation & Remediation
DUSR	Data Usability Summary Report
ELAP	Environmental Laboratory Accreditation Program
ESA	Environmental Site Assessment
ft-bgs	feet below ground surface
GPR	Ground-penetrating Radar
mg/kg	milligrams per kilogram
MSL	Mean Sea Level
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
ORP	Oxidation/Reduction Potential
PAH	Polyaromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PE	Professional Engineer
PFAS	Per and Polyfluoroalkyl Substances

Acronym	Definition
PHC	Petroleum Hydrocarbon
PID	Photoionization Detector
RAWP	Remedial Action Work Plan
RECs	Recognized Environmental Concerns
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
RRSCO	Restricted Residential Soil Cleanup Objective
SCG	Standards, Criteria, and Guidance
SCO	Soil Cleanup Objectives
SESI	SESI Consulting Engineers, DPC
sf	square foot
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TCL	Target Compound List
TOGS	Technical and Operations Guidance Series
USCO	Unrestricted Soil Cleanup Objective
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

EXECUTIVE SUMMARY

The Sun Valley Nursery Filling Station Site (herein referred to as the "Site") was accepted into the New York Brownfield Cleanup Program (BCP) by New York Department of Environmental Conservation (NYSDEC) on March 8, 2022 and is known as BCP Site No. C360207. The Site is located in a mixed-use commercial and residential area and is bounded by Croton Avenue to the north, beyond which residences and commercial properties are present, residences to the south, Watson Avenue to the east, and Prospect Avenue to the west, beyond which residences are present.

This Remedial Investigation Report (RIR) summarizes the results of prior investigations and the Remedial Investigation (RI) performed on the Site. The RI was conducted in general accordance with the Remedial Investigation Work Plan (RIWP) for the Site, which was last revised on August 3, 2022, and subsequently approved by the NYSDEC on August 19, 2022, and the NYSDEC's Technical Guidance for Site Investigation and Remediation (DER-10).

The RI consisted of collecting sixty-five (65) soil samples, eleven (11) groundwater samples, nine (9) soil vapor samples and two (2) ambient air samples. The purpose of the RI was to complete the horizontal and vertical delineation of the nature and extent of contamination on-Site, identify any potential sources of contamination, determine the remedial action needed to protect human health and the environment, and collect sufficient data to advance the remediation of the Site.

The overall depth of impacted soil ranged from one (1) foot bgs to 10 feet bgs based on the investigations conducted to date at the Site. RI soil samples were collected from one (1) foot bgs to refusal (i.e., boulders, weathered bedrock or bedrock) which varied throughout the Site. The deepest sample collected was at 38.5 feet bgs. The contaminants of concern in soil exceeding the NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCOs) consist of VOCs, while the Unrestricted Soil Cleanup Objectives (USCOs) at the Site consist of VOCs, SVOC (naphthalene) and metals.

The Site groundwater has been impacted with VOCs, polyaromatic hydrocarbons (PAHs) and metal compounds above NYSDEC Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS).:

Several VOCs and Petroleum hydrocarbon compound (PHC) VOCs were detected in the soil

vapor samples and ambient air.

1.0 INTRODUCTION

The NYSDEC entered into a Brownfield Cleanup Agreement (BCA) with 136-140 Croton Avenue, LLC, a Volunteer, for the property known as Sun Valley Nursery Filling Station Site (BCP No. C360207) ("Site"), on March 8, 2022. A Site Location map is presented as **Figure 1.1.** This document consists of a RIR. This RIR is a summary of the investigative work that was performed in accordance with the RIWP, approved by the NYSDEC on August 19, 2022.

The RI was completed in accordance with the NYSDEC DER-10, to provide a systematic assessment of environmental conditions on the Site. The RI defines the nature and extent of contamination on Site, identifying contaminant source areas, and producing data of sufficient quantity and quality to complete an on-Site exposure assessment and a qualitative off-Site exposure assessment for purposes of designing the remedial action for the Site.

2.0 BACKGROUND

2.1 SITE DESCRIPTION

The Site consists of an approximately 0.8-acre multi-parcel property and is located at 136-140 Croton Avenue, Ossining, New York. The Site is further identified on local tax maps under Tax Map IDs 89.16-7-79 and 89.16-7-80. The Site is currently vacant with no structures present. Concrete slab remnants of previous structures remain on Site. The remaining portions of the Site are either asphalt-paved or unpaved with plant overgrowth. The Site is secured by a fence. **Figure 2.1** presents a Site Plan and REC/AOC Location Map.

The Site is located in a mixed-use commercial and residential area and is bounded 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.

The planned redevelopment of the Site includes the construction of a 3.5-story, approximately 67,509 square foot (sf) building containing multi-family residential, retail and flex community space. The lower level of the building will contain 1,836 sf of flex community space and the first floor would contain 1,694 sf of retail. The balance of the building will be composed of 74 units of affordable senior (age 62+) housing, residential amenities, and parking. The affordable senior housing will include 33 studios, 40 one-bedroom and one (1) two-bedroom units. The redevelopment will include residential amenities such as a fitness room, computer room, community room/lounge, and laundry room. The Site will also provide two (2) levels of parking totaling 79 parking spaces for building residents and customers of the flex community space. The redevelopment would introduce enhanced pedestrian features and “Civic Space.” Access to the Site would be provided along Croton Avenue and Watson Avenue. Site improvements would include Site landscaping as well as an integrated stormwater management system.

2.2 SITE HISTORY

The Site was developed with dwellings as early as 1911, and by at least 1931, the Site operated as miniature golf course. Between the 1940s and 1960s, two (2) buildings were constructed at the Site: Building #1, located in the western portion of the Site, was used as a retail gasoline station and automotive repair garage until 1981; Building #2, located in the northeastern portion

of the Site, served the same purpose until 1996. The Site operated as a nursery from circa 1980s until 2017. Additionally, a taxi service was reportedly operating at the Site sometime in the 1980s. The two (2) greenhouse structures related to the nursery operations were reportedly demolished in February 2020, and currently the Site is vacant with only concrete pad remnants of the former structures.

2.3 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

The following environmental reports are summarized below and provided in **Appendix A**:

- Phase I ESA, prepared by Berkshire Environmental Services & Technology LLC (Berkshire), dated November 30, 2017;
- Phase ll ESA, prepared by Berkshire, dated November 30, 2017;
- Phase I ESA, prepared by SESI, dated November 2021;
- Phase II ESA, prepared by SESI, dated November 2021;
- Remedial Investigation Workplan, prepared by SESI, dated May 2022, revised August 2022
- Interim Remedial Measures Workplan, prepared by SESI, dated August 2022, revised December 2022

2.3.1 PHASE I ESA AND PHASE II ESA, PREPARED BY BERKSHIRE

The Phase I ESA identified the following potential areas of concern:

- The area of the former gasoline USTs on the western side of the 136 Croton Avenue portion of the Site;
- The former gasoline pump island located to the northwest of Building #1;
- The area of the former heating fuel UST located to the south of Building #1;
- The former area of the inground lift in Building #1;
- The area of former gasoline USTs along the west and north sides of Building #2;
- The former gasoline pump island area between Building #2 and Croton Avenue; and
- The inground lift components that remain beneath the floor of Building #2.

The recommendations of the Phase I ESA were the following:

- A ground-penetrating radar (GPR) survey of the Site is recommended to determine if any subsurface anomalies are present that could be indicative of additional USTs remaining on the Site.

- The advancement of soil borings and collection of soil samples from the area of former gasoline and heating fuel USTs, gasoline pump islands, and the areas of inground lifts is recommended to evaluate the potential for subsurface impacts to be present in the identified AOCs.
- Any documentation received from the NYSDEC or Westchester County Department of Health in response to the pending FOIL requests should be used to supplement the findings of this Phase I report.
- The unused 275-gallon AST on the east side of Building #2 should be removed and disposed in a proper manner. Additionally, the remains of the hydraulic lift in Building #2 should be removed.
- Rusted propane tanks, tires, and other debris on the Site should be removed and disposed in a proper manner.
- If any building renovation or demolition activities may result in the disturbance of suspect asbestos-containing materials (SACMs) or lead-based paint, asbestos and lead-based paint surveys of the buildings would be necessary to document the locations of any ACMs and lead-based paint that may be present in the buildings and could impact construction activities.

As part of the Phase II 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 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 and RRSCOs 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.

2.3.2 PHASE I ESA, PREPARED BY SESI

SESI conducted a Phase I ESA in November 2021. SESI identified the following 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 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 the NYSDEC RRSCOs was identified at the locations of the former USTs, which had yet to be fully delineated or remediated. Furthermore, it was not known whether the contamination related to this REC has impacted Site groundwater or soil gas because groundwater and soil vapor sampling had not yet been performed. According to previous reports, there is also evidence of an in-ground hydraulic lift at the Site associated with these former operations. SESI recommended conducting a geophysical evaluation at the former filling station to identify the locations of the previously removed USTs. Additionally, SESI recommended 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 and herbicides 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 pesticides and herbicides contamination related to these operations to have impacted the Site. SESI recommended 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 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 NYSDEC 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 was issued for the spill number on September 9, 1997, and the case was subsequently closed. Despite the closed status of the case, SESI had not received the remedial documents related to this spill number as of the date of this Phase I Report. 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.

2.3.3 PHASE II ESA, PREPARED BY SESI

Based on the aforementioned environmental assessments and investigations, SESI identified the following AOCs that warranted investigation:

- **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.

The aforementioned RECs and AOCs are depicted on **Figure 2.1.**

In August 2021, SESI conducted a Phase II ESA to investigate the aforementioned AOCs. The investigation included the following activities:

- Geophysical survey across the Site to locate underground utilities and subsurface anomalies and/or potential USTs.
- Drilling and sampling of 23 soil borings:
    - 22 soil samples analyzed for Target Compound List +30 TICs/Target Analyte List (TCL+30/TAL).
- Installation of three (3) temporary groundwater monitoring wells:
    - Two (2) groundwater samples analyzed for TCL+30/TAL, PFAS, and 1,4-Dioxane. One (1) of the temporary monitoring wells was dry, so a sample was not collected from it.
- Installation and of five (5) shallow vapor points and one (1) ambient air sample:
    - Five (5) air samples, one (1) from each soil gas point, and one (1) ambient air sample analyzed for VOCs in accordance with EPA Method TO-15.

A summary of the investigation results is included below:

Based on soil borings conducted during the investigation, brown-gray sand with silt and some gravel was generally present throughout the Site at depths ranging from grade surface 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 the Phase II investigation, contamination of the soil, groundwater, and soil gas was identified 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 NYSDEC RRSCOs. The VOCs benzene, toluene, ethylbenzene, o-Xylene (collectively known as "BTEX"), and acetone, the SVOC naphthalene, and the metals copper, iron, selenium, and silver were detected in soil above their respective NYSDEC USCOs or RRSCOs.
- **Groundwater:** BTEX were detected in groundwater above their respective NYSDEC 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 presence of chlorinated-, solvent-, and petroleum hydrocarbon-related VOCs suggests that an on-Site or nearby source(s) of these compounds is present.

In summary, 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.

2.3.4 RIWP AND IRMWP, PREPARED BY SESI

SESI prepared a RIWP for the Site dated May 2022 and later revised in August 2022 and approved by NYSDEC on August 19, 2022. The purpose of the RIWP is to describe the investigation activities to be conducted at the Site, as part of the planned remedial investigation

and remediation. This RIR is a summary of the investigative work that was performed in accordance with approved RIWP.

SESI also prepared a Interim Remedial Measures Workplan (IRMWP) in August 2022 and later revised in December 2022 before being approved by the NYSDEC on January 10, 2023. The IRMWP outlines the planned IRM activities at the Site that are proposed with the objective of preparing the Site for construction and the removal of all Site soils exceeding the NYSDEC USCOs. Additionally, the IRM describes the soil management/removal procedures and provides further detail with regard to the support of excavation (SOE), quantities of soil and fill to be removed, and work sequencing.

Copies of these approved reports are included in **Appendix A.**

3.0 SITE SETTING

3.1 TOPOGRAPHY

According to the United States Geological Survey (USGS) Ossining, Haverstraw, NY, 2013, 7.5-minute Series topographic map, the Site's average topographic elevation is approximately 292 feet above mean sea level (msl). Topographically, the Site slopes upward from northwest to southeast from a low elevation of approximately +282 to a high elevation of +315.

3.2 SURFACE WATER AND DRAINAGE

The closest open surface water to the Site is the Kill Brook to the northwest (approximately 0.25 miles), which discharges into the Hudson River, located approximately one (1) mile west of the Site. There are no surface water bodies or streams on or directly adjacent to the Site. Additionally, SESI did not observe any areas suspected to be wetlands on the Site. Stormwater likely infiltrates into the ground in the southern portions of the Site and likely runs across the impermeable paved portions of the Site located in the central and northern portions of the Site.

3.3 GEOLOGY

Regional surface topography slopes to the northwest. As per the United States Department of Agriculture National Cooperative Soil Survey map for the area, the soils at the Site are characterized as Urban Land-Paxton Complex (UpD), a fine sandy loam with 15 to 25 percent slopes. Based on SESI's 2023 geotechnical investigation and previous environmental investigations (circa 2021), the stratigraphy of the Site consists of brown uncontrolled fills below the asphalt millings and topsoil to approximately four (4) feet bgs. The uncontrolled fill generally consists of coarse to fine sand with varying amounts of coarse to fine gravel, silts, clays and debris such as asphalt, concrete and brick. Beneath the uncontrolled fill, glacial till soils were encountered. The glacial till soil typically consists of coarse to fine sands with varying amounts of coarse to fine gravel, silts and clays. Boulders were encountered at depths ranging from about eight (8) to 36 feet bgs. The glacial till extended to weathered/decomposed bedrock in majority of the geotechnical boring locations at depths ranging from about eight (8) to approximately 52 ft bgs. RI soil borings were installed to refusal which varied throughout the Site due to the presence of boulders, weathered rock and/or bedrock. The deepest RI boring was RI-SB-08 which was located in the western portion of the property and installed to 38.5 feet bgs before encountering refusal. Bedrock composed of Inwood Marble was encountered in geotechnical boring B-8 at a

depth of 36 feet bgs. Based on the observations from the geotechnical investigation and RI, SESI believes bedrock to be at approximately 40 ft bgs (+/-10 ft) at the Site. **Figure 3.1** illustrates the varying depths to refusal at the Site. The depths indicated in **Figure 3.1** represent the depth at which boulders, weathered bedrock, or bedrock was encountered by a subcontracted track-mounted drill rig utilizing either hollow stem auger or mud rotary drilling techniques.

3.4 HYDROGEOLOGY

Groundwater was encountered between approximately 29 ft to 34 ft bgs across the Site during the 2021 Phase II investigation performed by SESI. Groundwater was encountered between approximately 20 to 30 ft bgs in the soil borings performed by SESI as part of this RI. Groundwater was encountered between approximately 9.5 and 29.4 feet bgs during the first round of groundwater sampling conducted in October 2023. The monitoring wells were surveyed on October 4, 2023, and based on the survey measurements, groundwater elevation across the Site is between 265 and 285 feet above sea level (ft-amsl). The notable increase in groundwater levels measured between the Phase II and the RI is likely due to periods of heavy rainfall leading up to the RI. This was also apparent in the waterlogged soil vapor points due to the saturated overburden. Groundwater flows across the Site in a westerly direction as depicted on the groundwater contour map (**Figure 3.1**) developed for the Site.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The objective of the RI was to complete the investigation of soil, soil vapor, and groundwater on the Site and to delineate the nature and extent of the contamination on Site. The RI was conducted in accordance with the NYSDEC DER-10 and the SESI RIWP, last revised August 2022 and approved by NYSDEC on August 19, 2022. The applicable Standards, Criteria, and Guidance (SCGs) for the Site soil are the NYSDEC USCOs and RRSCOs, and the NYSDEC guidance value for 40 PFAS compounds. The applicable SCGs for the Site groundwater are the TOGS AWQS Class GA standards (cf. Section 703.6) and the NYS drinking water maximum contaminant levels for perfluorooctanoic acid, perfluorooctanesulfonic acid, and 1,4-dioxane. There are no currently applicable standards for soil vapor due to a lack of structures remaining to conduct indoor air sampling.

4.1 RI SAMPLING SUMMARY

Field activities were completed between September 12, 2023, through April 22, 2024. During that period, eighteen (18) soil borings, six (6) permanent groundwater monitoring wells, nine (9) soil vapor points and two (2) ambient air samples were collected for the RECs described in Section 2.0.

A total of six (6) soil vapor points were installed initially in 2023, however, only one vapor (1) point (RI-SV-06) was successfully sampled as the other five (5) vapor points were waterlogged due to high water levels in the overburden likely associated with periods of heavy rainfall. Therefore, at the request of the NYSDEC and DOH project managers, these five (5) soil vapor points (RI-SV-01 through RI-SV-05) as well as an additional three (3) soil vapor points along the southwestern property boundary, were sampled in April 2024.

Waste characterization sampling was also conducted as discussed in Section 4.5. **Table 4.1** below includes a summary of the RI sampling program based on the RIWP approved by the NYSDEC. **Figure 2.2** depicts the locations of all RI samples. **Figures 2.3, 2.4,** and **2.5** present the sample locations and sample exceedances for soil, groundwater, and soil vapor, respectively.

The soil and groundwater samples that were collected were analyzed TCL/TAL +30 including metals (USEPA Methods 6010/7471), SVOCs (USEPA Method 8270), VOCs (USEPA Method

8270), PCBs, pesticides (USEPA Methods 8081/8082), PFAS (USEPA EPA Method 1633, and 1,4 dioxane (USEPA Method 8270). Field blanks were collected each day groundwater sampling was conducted, and trip blanks accompanied all samples analyzed for VOCs. One (1) field blank was collected during the soil sampling event. The soil vapor samples were analyzed for VOCs in accordance with EPA Method TO-15.

Table 4.1: RI Sample Collection Summary

Sample Location ID	Sample ID	Sample Depth/Well Screen Interval (ft bgs)	Sample Type	Date Collected	Analyses	*Refusal (ft bgs)
Soil Samples						
RI-SB-01	RI-SB-01 (2.5-3)	2.5-3	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	19
	RI-SB-01 (9-9.5)	9-9.5	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-01 (10-10.5)	10-10.5	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-01 (18.5-19)	18.5-19	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	DUP-20230915	2.5-3	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-02	RI-SB-02 (4.5-5)	4.5-5	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	11
	RI-SB-02 (5.5-6)	5.5-6	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-02 (10-10.5)	10-10.5	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-02 (10.5-11)	10.5-11	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-03	RI-SB-03 (1.5-2)	1.5-2	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	12

Sample Location ID	Sample ID	Sample Depth/Well Screen Interval (ft bgs)	Sample Type	Date Collected	Analyses	*Refusal (ft bgs)
	RI-SB-03 (5.5-6)	5.5-6	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-03 (11.5-12)	11.5-12	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-04	RI-SB-04 (0.5-1)	0.5-1	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	13
	RI-SB-04 (7.5-8)	7.5-8	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-04 (12.5-13)	12.5-13	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-05	RI-SB-05 (1-1.5)	1-1.5	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	15
	RI-SB-05 (9-9.5)	9-9.5	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-05 (14.5-15)	14.5-15	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	DUP-20230914	9-9.5	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-06	RI-SB-06 (1-1.5)	1-1.5	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	15
	RI-SB-06 (7-7.5)	7-7.5	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-06 (14.5-15)	14.5-15	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-07	RI-SB-07 (4.5-5)	4.5-5	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	19
	RI-SB-07 (5.5-6)	5.5-6	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	

Sample Location ID	Sample ID	Sample Depth/Well Screen Interval (ft bgs)	Sample Type	Date Collected	Analyses	*Refusal (ft bgs)
	RI-SB-07 (12.5-13)	12.5-13	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-07 (18.5-19)	18.5-19	Subsurface soil	9/15/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-08	RI-SB-08 (2.5-3)	2.5-3	Subsurface soil	9/18/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	39
	RI-SB-08 (7-7.5)	7-7.5	Subsurface soil	9/18/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-08 (10.5-11)	10.5-11	Subsurface soil	9/18/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-08 (17.5-18)	17.5-18	Subsurface soil	9/18/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-08 (24-24.5)	24-24.5	Subsurface soil	9/18/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-08 (26.5-27)	26.5-27	Subsurface soil	9/18/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-08 (31.5-32)	31.5-32	Subsurface soil	9/18/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-08 (38.5-39)	38.5-39	Subsurface soil	9/18/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-09	RI-SB-09 (4.5-5)	4.5-5	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	17
	RI-SB-09 (7.5-8)	7.5-8	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-09 (13.5-14)	13.5-14	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-09 (16.5-17)	16.5-17	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	

Sample Location ID	Sample ID	Sample Depth/Well Screen Interval (ft bgs)	Sample Type	Date Collected	Analyses	*Refusal (ft bgs)
RI-SB-10	RI-SB-10 (1.5-2)	1.5-2	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	10.5
	RI-SB-10 (9.5-10)	9.5-10	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-10 (10-10.5)	10-10.5	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-11	RI-SB-11 (0.5-1)	0.5-1	Subsurface soil	9/19/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	24
	RI-SB-11 (7-7.5)	7-7.5	Subsurface soil	9/19/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-11 (10.5-11)	10.5-11	Subsurface soil	9/19/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-11 (17-17.5)	17-17.5	Subsurface soil	9/19/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-11 (23.5-24)	23.5-24	Subsurface soil	9/19/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	DUP-20230919	23.5-24	Subsurface soil	9/19/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-12	RI-SB-12 (2-2.5)	2-2.5	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	13
	RI-SB-12 (8-8.5)	8-8.5	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-12 (12.5-13)	12.5-13	Subsurface soil	9/14/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-13	RI-SB-13 (3-3.5)	3-3.5	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	25
	RI-SB-13 (7-7.5)	7-7.5	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	

Sample Location ID	Sample ID	Sample Depth/Well Screen Interval (ft bgs)	Sample Type	Date Collected	Analyses	*Refusal (ft bgs)
	RI-SB-13 (13-13.5)	13-13.5	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-13 (17-17.5)	17-17.5	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	RI-SB-13 (24.5-25)	24.5-25	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
	DUP-20230912	3-3.5	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-14	RI-SB-14 (2-2.5)	2-2.5	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	9
	RI-SB-14 (8.5-9)	8.5-9	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-15	RI-SB-15 (3.5-4)	3.5-4	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	8
	RI-SB-15 (7.5-8)	7.5-8	Subsurface soil	9/12/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-16	RI-SB-16 (2-2.5)	2-2.5	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	7
	RI-SB-16 (6.5-7)	6.5-7	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
RI-SB-17	RI-SB-17 (4.5-5)	4.5-5	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	5
RI-SB-18	RI-SB-18 (3-3.5)	3-3.5	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	8
	RI-SB-18 (7.5-8)	7.5-8	Subsurface soil	9/13/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	
Groundwater Samples						

Sample Location ID	Sample ID	Sample Depth/Well Screen Interval (ft bgs)	Sample Type	Date Collected	Analyses	*Refusal (ft bgs)
RI-MW-01	RI-MW-01	25-33	Monitoring Well	10/3/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	n/a
RI-MW-02	RI-MW-02	25-33.4	Monitoring Well	10/3/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	n/a
RI-MW-03	RI-MW-03	25-36.5	Monitoring Well	10/2/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	n/a
	DUP20231002	25-36.5	Duplicate	10/2/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	n/a
RI-MW-04	RI-MW-04	25-38.6	Monitoring Well	10/3/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	n/a
RI-MW-05	RI-MW-05	31.5-46.5	Monitoring Well	10/3/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	n/a
RI-MW-06	RI-MW-06	25-40	Monitoring Well	10/4/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	n/a
n/a	TB20231002	n/a	Trip Blank	10/2/2023	VOCs	n/a
n/a	TB20231003	n/a	Trip Blank	10/3/2023	VOCs	n/a
n/a	FB20231002	n/a	Field Blank	10/2/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	n/a
n/a	FB20231003	n/a	Field Blank	10/3/2023	TCL+30/TAL, PFAS, 1.4-Dioxane	n/a
Air Samples						
RI-SV-01	RI-SV-01	5	Soil Vapor	4/22/2024	TO-15	n/a
RI-SV-02	RI-SV-02	5	Soil Vapor	4/22/2024	TO-15	n/a
RI-SV-03	RI-SV-03	5	Soil Vapor	4/22/2024	TO-15	n/a
RI-SV-04	RI-SV-04	5	Soil Vapor	4/22/2024	TO-15	n/a
RI-SV-05	RI-SV-05	5	Soil Vapor	4/22/2024	TO-15	n/a
RI-SV-06	RI-SV-06	5	Soil Vapor	9/21/2023	TO-15	n/a
RI-SV-07	RI-SV-07	5	Soil Vapor	4/22/2024	TO-15	n/a
RI-SV-08	RI-SV-08	5	Soil Vapor	4/22/2024	TO-15	n/a
RI-SV-09	RI-SV-09	5	Soil Vapor	4/22/2024	TO-15	n/a

Sample Location ID	Sample ID	Sample Depth/Well Screen Interval (ft bgs)	Sample Type	Date Collected	Analyses	*Refusal (ft bgs)
RI-AMB-01	RI-AMB-01	3 ft above grade surface	Ambient Air	9/21/2023	TO-15	n/a
RI-AMB-02	RI-AMB-02	3 ft above grade surface	Ambient Air	4/22/2024	TO-15	n/a

Notes:

1. TCL/TAL+30 includes metals (USEPA Methods 6010/7471), SVOCs (USEPA Method 8270), VOCs (USEPA Method 8270), PCBs, and pesticides (USEPA Methods 8081/8082). Emerging contaminants PFAS were analyzed by A2 NY 537 ISOTOPE Method and 1,4-dioxane by USEPA Method 8270.

2. DUP20230915 was collected from parent sample RI-SB-01 (2.5-3); DUP-20230914 was collected from parent sample RI-SB-05 (9-9.5); DUP-20230919 was collected from parent sample RI-SB-11; and DUP-20230912 was collected from parent sample RI-SB-13. DUP20231002 was collected from parent sample RI-MW-03.

3. * Refusal due to either boulders, weathered bedrock or competent bedrock.

4.2 INVESTIGATION METHODOLOGY

All the field work was completed under the on-Site observation of a SESI field engineer and with oversight provided by the environmental professional engineer (PE). The field work involved performing a geophysical survey, advancing borings, installing permanent monitoring wells, and placing temporary soil vapor points. Disposable field equipment was utilized to collect soil and groundwater samples. Community Air Monitoring Plan (CAMP) was implemented during all intrusive field work in accordance with the RIWP. This included monitoring for VOCs and dust. There were no exceedances of the time weighted average for VOCs or dust above the action levels outlined in the CAMP (previously included with the RIWP submission) during the RI. All CAMP monitoring data is included in **Appendix B**. SESI observed the work completed by the following subcontractors:

- Coastal Environmental Solutions, Inc. (Coastal) – Performed a geophysical survey across the Site to pre-clear boring locations as well as to identify subsurface utilities and/or anomalies.
- Coastal – Advanced 18 soil borings and placed six (6) soil vapor points utilizing direct-push drilling techniques with a 7822DT Geoprobe® drill rig and split spoon attachment.
- Coastal – Installed six (6) groundwater wells using a sonic drill rig.

- Coastal – abandoned the three (3) temporary wells on the site from prior Phase II investigations.
- PG Environmental Services – Advanced eight (8) soil vapor points utilizing direct-push drilling techniques.
- Alpha Analytical Laboratory (Alpha) (NY ELAP Certification #111148) – Analyzed soil, groundwater, and soil vapor/ ambient air samples as per requested analytical methods.
- SGS of North America (SGS) (NY ELAP Certification #10983) – Analyzed soil vapor/ ambient air samples as per requested analytical methods.

4.3 GROUND PENETRATING RADAR SURVEY

Prior to drilling activities, a geophysical/ground penetrating radar (GPR) survey was conducted across the Site to locate potential USTs and any underground utilities/anomalies not identified by the one-call system. Results of the geophysical survey identified no anomalies indicative of USTs. The GPR report is provided in **Appendix C**.

4.4 SOIL BORINGS AND SAMPLING

A total of sixty-one (61) soil samples were collected from eighteen (18) soil borings (RI-SB-01 through RI-SB-18). The borings were advanced utilizing direct-push drilling technique. Borings were advanced to depths ranging from five (5) to thirty-nine (39) ft bgs. Soil samples were collected utilizing a macro-core sampler. Samples for laboratory chemical analyses were collected based on field screening, which includes visual and olfactory observations and screening with photo-ionization detector (PID). The boring logs are provided in **Appendix D**. At each RI soil boring, one discrete sample was collected per five (5) foot interval based on evidence of contamination. In the last five (5) foot interval, if there was no evidence of contamination, the sample was collected right above the weathered bedrock. If contamination was observed in the last five (5) ft, then two (2) samples were collected; one (1) sample biased to where contamination was observed and one directly above refusal or weathered bedrock. Duplicate samples were collected at a rate of 1 per 20 samples collected. All remaining soil from the borings was containerized in drums on the Site for future disposal.

4.5 WASTE CHARACTERIZATION SAMPLING

In addition to the remedial investigation grab samples, composite samples were collected for waste characterization purposes. The waste characterization samples were collected at a frequency of one (1) composite per 750 cubic yards (CY) of soils based on a Site grid of 50 foot-wide by 50 foot-long and 7 foot deep. Thirty-eight (38) waste class borings were advanced to refusal in fourteen (14) waste class grids located on the site for this purpose. One composite (1) sample was collected per each 7-foot interval. Each composite sample consists of five (5) discrete points within the 7-foot interval, collected from four (4) soil borings in each grid. The RI soil borings were also utilized as one (1) of the soil borings for each waste characterization grid. One (1) discrete sample was collected from one (1) of the borings in each waste class grid per composite sample set for the purpose of VOCs analysis. The waste characterization sample locations are depicted on **Figure 2.2**. The waste characterization sample results and site grids are included in **Appendix E**.

4.6 MONITORING WELL INSTALLATIONS

Six (6) permanent groundwater monitoring wells were installed to investigate groundwater across the Site, as detailed in **Table 4.2** below and **Figure 2.4**. As discussed in Section 3.4, groundwater was encountered between 9.4 and 29.4 feet bgs across the Site. The monitoring wells were surveyed on October 4, 2023, and based on survey measurements, groundwater elevation across the Site is between 265 feet amsl in the southwestern portion of the Site and to 285 feet amsl in the southeastern and eastern portion of the Site. Groundwater flows in a westerly direction toward the Hudson River, as depicted on the groundwater contour map (**Figure 3.2**) developed for the Site.

The depth of the wells ranged from 40 to 45 ft bgs (RI-MW-06 was installed deeper than the other wells as it was installed at a higher elevation on the Site). The wells were set and screened at first water within the overburden aquifer zone. Sonic drilling was utilized to advance the monitoring wells at the Site. All the wells were constructed utilizing 2-inch PVC pipe with a 15-foot, 20 (0.020 inches) slot screen. The PVC screen was surrounded by #2 filter sand. The filter sand extends at least two (2) feet above the screen. Bentonite seal about 1 foot thick was then placed on top of the filter sand and the remaining annular space around the PVC riser was grouted with cement/bentonite mix to ground surface. The wells were subsequently completed with protective

steel manholes as flush mount or a metal stickup. Well construction details and water levels measurements are provided in **Table 4.2**.

The monitoring wells were developed until the purge water being pumped was free of sediment, or the well no longer had groundwater present, whichever was encountered first. The development water was collected in drums for disposal off-Site. **Appendix D** includes the monitoring well construction logs.

4.7 GROUNDWATER SAMPLING

From October 2 to October 4, 2023, the monitoring wells were sampled in accordance with USEPA low flow sampling procedures. Using USEPA low-flow methods, the groundwater in RI-MW-01 through RI-MW-06 were purged, and the purge water was piped to a "flow cell," where groundwater geochemical parameters such as pH, redox potential, specific conductance, dissolved oxygen, salinity and turbidity were measured at five (5) minute intervals. Drawdown during the well sampling was also measured using a water level meter. Field parameters including pH, dissolved oxygen, turbidity, specific conductance, and oxidation/reduction potential (ORP) were measured. "Redi-flow" purging techniques were implemented to achieve stabilization. Groundwater samples were collected once the geochemical parameters stabilized for three consecutive readings. **Appendix F** includes the purge data for the groundwater monitoring wells.

Due to recharging issues on RI-MW-01, the geochemical parameters were not able to achieve stabilization for three (3) consecutive readings while purging. This well was revisited once it was no longer dry and a grab sample was collected at RI-MW-01. Similarly, due to RI-MW-06 being silted up to around 23 feet, the well was purged dry, and a grab sample was collected once it recharged the following day.

A groundwater contour map was developed using well gauging and surveying data (**Figure 3.2**); the map depicts groundwater flow west across the site. This follows the Site topography. The Well Gauging and Survey data with Depth to Water (DTW) measured on October 2, 2023, is presented on **Table 4.2.**

Table 4.2 Well Survey and Gauging Data Summary

Well ID	Date Installed	DTW (ft btwc)	Install Depth	Well Screen Depth	Well Elevation (ft amsl)	Groundwater Elevation (ft amsl)
RI-MW-01	09/29/23	20.7	40	25-40	288	267
RI-MW-02	09/28/23	24.8	40	25-40	298	273
RI-MW-03	09/28/23	9.5	40	25-40	294	285
RI-MW-04	09/27/23	29.4	40	25-40	295	266
RI-MW-05	09/27/23	17.8	45	30-45	303	285
RI-MW-06	09/28/23	13.0	40	25-40	298	285

DTW = Depth to water
FT BTWC = feet below top of well casing
FT AMSL = feet above mean sea level

The well construction logs can be found in **Appendix D**.

4.8 SOIL GAS INVESTIGATION

On September 21, 2023, SESI installed six (6) soil vapor points across the Site (RI-SV-01 through RI-SV-06) at a depth of 5 feet bgs; however, due to high water levels and saturated overburden likely due to periods of heavy rainfall, five (5) soil vapor lines were waterlogged. SESI successfully collected one (1) soil vapor sample at RI-SV-06 and one ambient air sample (RI-AMB-01) on September 21, 2023.

The soil gas was collected at a depth of five (5) feet bgs which is approximately 4.5 to 24.4 feet above the groundwater table based on elevations measured in October 2023 (**Table 4.2**). The soil gas samples were collected in accordance with the *New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006, updated February 2017).* SESI returned to the Site on October 4 and was again unsuccessful due to the points being severely waterlogged. After the second attempt on October 4, 2023, the NYDEC Case Manager requested a third attempt before agreeing to no further testing due to saturated conditions at the Site from recent excessive rainfall. On October 19, 2023, a third attempt was made and was again unsuccessful.

Furthermore, at the request of the NYSDEC and NYSDOH project managers, the five (5) soil

vapor points (RI-SV-01 through RI-SV-05) as well as an additional three (3) soil vapor points along the southwestern property boundary, were reinstalled and sampled in April 2024.

Semi-permanent soil vapor probes were installed with an adequate surface seal to prevent outdoor air infiltration at each sampling location. Soil gas implants were installed using a direct push Geoprobe® to attain the depths of 5 feet bgs. Porous, inert backfill packer sand was used to create a sampling column of two (2) feet in length. The implants were fitted with inert Teflon® tubing to the surface. Soil vapor probes were sealed above the sampling zone with a bentonite slurry for a minimum distance of three (3) feet. The remainder of the borehole was backfilled with clean material.

Prior to sampling, the soil vapor points were purged three (3) times the volume of the sample probe and tube. Flow rates for both purging and collecting were maintained below 0.2 liters per minute to minimize outdoor air infiltration during sampling. Soil vapor and ambient air samples were collected in certified six (6)-L Summa ® canisters provided by the laboratory over a two (2)-hour duration. The ground surface at RI-SV-06 was paved at the time of sampling, which allowed for the sealing of a helium trap over the vapor point and testing of the helium tracer gas for leaks prior to sampling in accordance with NYSDOH guidance. All the collected samples were sent to Alpha Analytical (an ELAP-accredited laboratory) for EPA TO-15 analysis.

4.9 INVESTIGATIVE DERIVED WASTE

Soil and groundwater spoils were generated during the RI. The spoils generated were placed into nine (9) 55-gallon steel drums. The drums were properly labelled and are staged on-Site pending removal.

5.0 REMEDIAL INVESTIGATION RESULTS

For purposes of evaluating the remedial alternatives associated with the proposed Site redevelopment, the analytical results of the soil samples were compared to the NYSDEC USCOs and RRSCOs. A summary of the soil results compared to USCOs and RRSCOs is presented on **Table 5.1**. Soil exceedances of these SCOs are presented in **Table 5.2A** and **Table 5.2B** embedded below.

The constituent concentrations in groundwater were compared to the applicable NYSDEC TOGS Class GA AWQS and the PFAS Guidance Values, as presented in **Table 5.3**. A summary of groundwater sample exceedances frequency is presented as **Table 5.4** embedded below.

The soil vapor and ambient air data is presented In **Table 5.5**. A summary of the detected compounds in the soil vapor and ambient air samples is presented in **Table 5.6** embedded below.

Sampling locations and results maps for soil, groundwater, and soil vapor are depicted as **Figures 2.3, 2.4**, and **2.5**. The laboratory data packages for soil, groundwater, and soil vapor are included as **Appendix G**. The Data Usability Summary Report (DUSR) is included as **Appendix H** of this report discussed under Section 6.4 below.

5.1 SOIL INVESTIGATION RESULTS

As shown on **Table 5.1**, the only contaminant groups exceeding the USCOs and/or RRSCOs were for VOCs, SVOCs and metals. All other contaminant groups (i.e., pesticides, PCBs, PFAS) were reported below their respective USCOs.

<u>VOCS</u>

As shown in **Table 5.2A** below and **Figure 2.3**, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene and xylenes were detected at concentrations above their respective RRSCOs in the northwestern portion of the Site, from 5.5 to 10.0 feet bgs. Additionally, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, benzene, ethylbenzene, n-butylbenzene, n-propylbenzene, naphthalene, toluene and xylenes were detected at concentrations above their respective USCOs in borings throughout the northeastern and northwestern portions of the Site from one (1) to 10 feet bgs.

Table 5.2A: Soil Sample Exceedance Summary – VOCs (RI)

Boring ID:	USCO	RRSCO	RI-SB-02											
Client Sample ID:			RI-SB-02 (4.5-5)				RI-SB-02 (5.5-6)				RI-SB-02 (10-10.5)			
Lab Sample ID:			L2354249-04				L2354249-05				L2354249-06			
Date Sampled:			9/15/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):			4.5-5'				5.5-6'				10-10.5'			
Matrix:			SOIL				SOIL				SOIL			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOCs (mg/kg)														
1,2,4-Trimethylbenzene	3.6	52	41		0.51	0.086	220		10	1.7	280		5.4	0.9
1,3,5-Trimethylbenzene	8.4	52	12		0.1	0.0099	56		1	0.098	96		2.2	0.21
Acetone	0.05	100	ND		0.51	0.25	ND		5.1	2.4	ND		11	5.2
Benzene	0.06	4.8	0.094		0.026	0.0085	2.2		0.25	0.084	3.7		0.54	0.18
Ethylbenzene	1	41	10		0.051	0.0072	67		0.51	0.072	100		1.1	0.15
n-Butylbenzene	12	100	3.3		0.051	0.0086	8.3		0.51	0.085	14		1.1	0.18
n-Propylbenzene	3.9	100	11		0.051	0.0088	42		0.51	0.087	74		1.1	0.18
Naphthalene	12	100	5.1		0.2	0.033	14		2	0.33	27		4.3	0.7
Toluene	0.7	100	3.6		0.051	0.028	31		0.51	0.28	50		1.1	0.59
Xylenes, Total	0.26	100	36		0.051	0.015	420		0.51	0.15	540		1.1	0.32

Boring ID:	USCO	RRSCO	RI-SB-05				RI-SB-08				RI-SB-10			
Client Sample ID:			RI-SB-05 (1-1.5)				RI-SB-08 (2.5-3)				RI-SB-10 (10.0-10.5)			
Lab Sample ID:			L2353845-06				L2354548-01				L2353845-05			
Date Sampled:			9/14/2023				9/18/2023				9/14/2023			
Sample Depth (ft bgs):			1-1.5'				2.5-3'				10-10.5'			
Matrix:			SOIL				SOIL				SOIL			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
1,2,4-Trimethylbenzene	3.6	52	13		0.1	0.018	0.066	J	0.12	0.02	0.072		0.0019	0.0003
1,3,5-Trimethylbenzene	8.4	52	4.2		0.1	0.01	0.025	J	0.12	0.011	0.031		0.0019	0.0002
Acetone	0.05	100	0.34	J	0.52	0.25	ND		0.59	0.28	0.062		0.0095	0.0046
Benzene	0.06	4.8	0.061		0.026	0.0087	0.38		0.029	0.0097	ND		0.0005	0.0002
Ethylbenzene	1	41	0.25		0.052	0.0074	0.052	J	0.059	0.0083	0.0083		0.001	0.0001
n-Butylbenzene	12	100	0.8		0.052	0.0088	0.94		0.059	0.0098	0.017		0.001	0.0002
n-Propylbenzene	3.9	100	0.76		0.052	0.009	1.4		0.059	0.01	0.029		0.001	0.0002
Naphthalene	12	100	3.4		0.21	0.034	1.1		0.23	0.038	0.015		0.0038	0.0006
Toluene	0.7	100	0.14		0.052	0.028	0.034	J	0.059	0.032	ND		0.001	0.0005
Xylenes, Total	0.26	100	2.7		0.052	0.015	0.15	J	0.059	0.017	0.038		0.001	0.0003

Notes:
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)
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
= concentration exceeds USCO
= concentration exceeds RRSCO
= reporting limit exceeds USCO but reported concentration does not

SVOCs and Metals

As shown in **Table 5.2B** below and **Figure 2.3**, the SVOC naphthalene and metal compounds manganese, nickel and zinc were detected in exceedance of their respective USCOs in three (3) soil borings from one (1) to 10 feet bgs throughout the northwestern, northern and northeastern portions of the Site. Please note, naphthalene concentrations were reported in both the VOCs and SVOCs run. There were also no SVOC or metal exceedances of the RRSCOs.

Table 5.2B: Soil Sample Exceedances Summary – SVOCs and Metals (RI)

Boring ID:	USCO	RRSCO	RI-SB-02				RI-SB-05			
Client Sample ID:			RI-SB-02 (10-10.5)				RI-SB-05 (1-1.5)			
Lab Sample ID:			L2354249-06				L2353845-06			
Date Sampled:			9/15/2023				9/14/2023			
Sample Depth (ft bgs):			10-10.5'				1-1.5'			
Matrix:			SOIL				SOIL			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL
Semi-Volatile Organic Compounds (mg/kg)										
Naphthalene	12	100	14		0.95	0.12	0.064	J	0.18	0.022
Total Metals (mg/kg)										
Manganese, Total	1600	2000	287		0.907	0.144	278		0.851	0.135
Nickel, Total	30	310	9.16		2.27	0.219	51.2		2.13	0.206
Zinc, Total	109	10000	24.9		4.53	0.266	128		4.25	0.249

Boring ID:	USCO	RRSCO	RI-SB-09			
Client Sample ID:			RI-SB-09 (7.5-8)			
Lab Sample ID:			L2353845-12			
Date Sampled:			9/14/2023			
Sample Depth (ft bgs):			7.5-8'			
Matrix:			SOIL			
			Conc	Q	RL	MDL
Semi-Volatile Organic Compounds (mg/kg)						
Naphthalene	12	100	ND		0.18	0.022
Total Metals (mg/kg)						
Manganese, Total	1600	2000	1900		0.819	0.13
Nickel, Total	30	310	16.7		2.05	0.198
Zinc, Total	109	10000	45.7		4.09	0.24

Notes:
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)
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
= concentration exceeds USCO
= concentration exceeds RRSCO
= reporting limit exceeds USCO but reported concentration does not

5.2 GROUNDWATER RESULTS

The six (6) monitoring wells were sampled on October 2-4, 2023, for TCL/TAL+30 (including VOCs, SVOCs, PCBs, pesticides and metals), PFAS and 1,4-dioxane. A summary of groundwater results is presented on **Table 5.3**. Groundwater exceedances are presented in **Table 5.4** embedded below and **Figure 2.4** attached. Results of compounds exceeding the AWQS are summarized below.

VOCs

The following VOCs were detected at concentrations exceeding their applicable AWQS: 1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzene, 1,3,5,-trimethylbenzene, 2-butanone, acetone, benzene, chloroform, ethylbenzene, n-propylbenzene, naphthalene, o-xylene, p/m-xylene and toluene.

SVOCs

The following SVOCs were detected at concentrations exceeding their applicable AWQS: bis(2-chloroisoproply)ether, bis(2-ethylhexyl)phthalate, phenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and naphthalene.

Metals

The metals arsenic, barium, beryllium, chromium, copper, iron, lead, magnesium, manganese, nickel, selenium and sodium were detected throughout the Site at concentrations exceeding the AWQS.

No pesticides, PFAS or PCB compounds were detected at concentrations in exceedance of their respective AWQS.

Table 5.4: Groundwater Sample Exceedances Summary (RI)

Monitoring Well ID:		RI-MW-01				RI-MW-02				RI-MW-03							
Sample ID:		RI-MW-01				RI-MW-02				RI-MW-03				DUP20231002			
LAB ID:		L2358165-05				L2358165-04				L2357903-01				L2357903-02			
Date Sampled:	AWQS	10/3/2023				10/3/2023				10/2/2023				10/2/2023			
Screen Interval (ft bgs):		25-33'				25-33.4'				25-36.5'				25-36.5'			
Sample Matrix:		WATER				WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOCs (ug/l)																	
1,2,4,5-Tetramethylbenzene	5	2.4		2	0.54	16		2	0.54	ND		200	54	ND		400	110
1,2,4-Trimethylbenzene	5	42		2.5	0.7	180		2.5	0.7	ND		250	70	ND		500	140
1,3,5-Trimethylbenzene	5	12		2.5	0.7	59		2.5	0.7	ND		250	70	ND		500	140
2-Butanone	50	4.2	J	5	1.9	3.2	J	5	1.9	13000		500	190	15000		1000	390
Acetone	50	15		5	1.5	11		5	1.5	2300		500	150	2800		1000	290
Benzene	1	6.3		0.5	0.16	0.35	J	0.5	0.16	ND		50	16	ND		100	32
Chloroform	7	0.74	J	2.5	0.7	15		2.5	0.7	ND		250	70	ND		500	140
Ethylbenzene	5	21		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140
n-Propylbenzene	5	7.8		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140
Naphthalene	10	4		2.5	0.7	40		2.5	0.7	ND		250	70	ND		500	140
o-Xylene	5	34		2.5	0.7	35		2.5	0.7	ND		250	70	ND		500	140
p/m-Xylene	5	75		2.5	0.7	76		2.5	0.7	ND		250	70	ND		500	140
Toluene	5	36		2.5	0.7	5.8		2.5	0.7	ND		250	70	ND		500	140
SVOCs (ug/l																	
Bis(2-chloroisopropyl)ether	5	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53
Bis(2-ethylhexyl)phthalate	5	ND		3	1.5	ND		3	1.5	41		3	1.5	ND		3	1.5
Phenol	1	ND		5	0.57	9		5	0.57	1	J	5	0.57	1.8	J	5	0.57
Benzo(a)anthracene	0.002	ND		0.1	0.02	ND		0.1	0.02	0.1		0.1	0.02	0.03	J	0.1	0.02
Benzo(a)pyrene	0	ND		0.1	0.02	ND		0.1	0.02	0.09	J	0.1	0.02	ND		0.1	0.02
Benzo(b)fluoranthene	0.002	ND		0.1	0.01	0.01	J	0.1	0.01	0.17		0.1	0.01	0.01	J	0.1	0.01
Benzo(k)fluoranthene	0.002	ND		0.1	0.01	ND		0.1	0.01	0.05	J	0.1	0.01	ND		0.1	0.01
Chrysene	0.002	ND		0.1	0.01	ND		0.1	0.01	0.12		0.1	0.01	0.01	J	0.1	0.01
Indeno(1,2,3-cd)pyrene	0.002	ND		0.1	0.01	ND		0.1	0.01	0.08	J	0.1	0.01	ND		0.1	0.01
Naphthalene	10	1.8		0.1	0.05	24		0.1	0.05	0.33		0.1	0.05	0.35		0.1	0.05
Metals (ug/l)																	
Arsenic, Total	25	0.41	J	0.5	0.16	0.96		0.5	0.16	31.48		2.5	0.82	33.69		2.5	0.82
Barium, Total	1000	108.1		0.5	0.17	283.5		0.5	0.17	10990		2.5	0.86	10640		2.5	0.86
Beryllium, Total	3	ND		0.5	0.1	0.33	J	0.5	0.1	12.38		2.5	0.53	12.1		2.5	0.53
Chromium, Total	50	27.9		1	0.17	56.35		1	0.17	780.9		5	0.89	776.9		5	0.89
Copper, Total	200	3.17		1	0.38	35.74		1	0.38	1567		5	1.92	1408		5	1.92
Iron, Total	300	911		50	19.1	19800		50	19.1	490000		250	95.5	480000		250	95.5
Lead, Total	25	0.38	J	1	0.34	5.42		1	0.34	293.3		5	1.71	317.8		5	1.71
Magnesium, Total	35000	952		70	24.2	6690		70	24.2	217000		350	121	209000		350	121
Manganese, Total	300	14.4		1	0.44	272.8		1	0.44	18400		5	2.2	17310		5	2.2
Nickel, Total	100	1.26	J	2	0.55	16.62		2	0.55	544.4		10	2.78	548.2		10	2.78
Selenium, Total	10	2.19	J	5	1.73	4.96	J	5	1.73	66.6		25	8.65	67		25	8.65
Sodium, Total	20000	56000		100	29.3	52900		100	29.3	28000		500	146	27400		500	146

Monitoring Well ID:	AWQS	RI-MW-04				RI-MW-05				RI-MW-06											
Sample ID:		RI-MW-04				RI-MW-05				RI-MW-06				FB20231002				FB-20231004			
LAB ID:		L2358165-06				L2358165-03				L2358656-01				L2357903-03				L2358656-02			
Date Sampled:		10/3/2023				10/3/2023				10/4/2023				10/2/2023				10/4/2023			
Screen Interval (ft bgs):		25-38.6'				31.5-46.5'				25-40'											
Sample Matrix:		WATER				WATER				WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOCs (ug/l)																					
1,2,4,5-Tetramethylbenzene	5	ND		200	54	ND		2	0.54	0.93	J	2	0.54	ND		2	0.54	ND		2	0.54
1,2,4-Trimethylbenzene	5	ND		250	70	ND		2.5	0.7	3.2		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3,5-Trimethylbenzene	5	ND		250	70	ND		2.5	0.7	1.1	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
2-Butanone	50	7600		500	190	8.1		5	1.9	13		5	1.9	ND		5	1.9	ND		5	1.9
Acetone	50	1300		500	150	11		5	1.5	39		5	1.5	ND		5	1.5	ND		5	1.5
Benzene	1	ND		50	16	ND		0.5	0.16	0.74		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Chloroform	7	ND		250	70	2.7		2.5	0.7	1.8	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	5	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	5	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	10	ND		250	70	ND		2.5	0.7	1.5	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	5	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p/m-Xylene	5	ND		250	70	ND		2.5	0.7	0.7	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Toluene	5	ND		250	70	ND		2.5	0.7	19		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
SVOCs (ug/l																					
Bis(2-chloroisopropyl)ether	5	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53
Bis(2-ethylhexyl)phthalate	5	ND		3	1.5	ND		3	1.5	ND		3	1.5	ND		3	1.5	ND		3	1.5
Phenol	1	ND		5	0.57	ND		5	0.57	42		5	0.57	ND		5	0.57	ND		5	0.57
Benzo(a)anthracene	0.002	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	0.02	J	0.1	0.02	ND		0.1	0.02
Benzo(a)pyrene	0	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Benzo(b)fluoranthene	0.002	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	0.01	J	0.1	0.01
Benzo(k)fluoranthene	0.002	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Chrysene	0.002	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Indeno(1,2,3-cd)pyrene	0.002	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Naphthalene	10	ND		0.1	0.05	ND		0.1	0.05	0.69		0.1	0.05	ND		0.1	0.05	ND		0.1	0.05
Metals (ug/l)																					
Arsenic, Total	25	0.46	J	0.5	0.16	0.34	J	0.5	0.16	0.71		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Barium, Total	1000	113.6		0.5	0.17	92.85		0.5	0.17	328.8		0.5	0.17	0.29	J	0.5	0.17	0.49	J	0.5	0.17
Beryllium, Total	3	0.14	J	0.5	0.1	0.13	J	0.5	0.1	ND		0.5	0.1	ND		0.5	0.1	ND		0.5	0.1
Chromium, Total	50	9.86		1	0.17	14.66		1	0.17	14.8		1	0.17	ND		1	0.17	0.23	J	1	0.17
Copper, Total	200	6.37		1	0.38	8.31		1	0.38	74.52		1	0.38	ND		1	0.38	ND		1	0.38
Iron, Total	300	8080		50	19.1	6510		50	19.1	1110		50	19.1	ND		50	19.1	ND		50	19.1
Lead, Total	25	2.31		1	0.34	1.58		1	0.34	1.01		1	0.34	ND		1	0.34	ND		1	0.34
Magnesium, Total	35000	40600		70	24.2	12400		70	24.2	367		70	24.2	ND		70	24.2	ND		70	24.2
Manganese, Total	300	149.6		1	0.44	115.4		1	0.44	14.96		1	0.44	ND		1	0.44	ND		1	0.44
Nickel, Total	100	6.62		2	0.55	4.99		2	0.55	1.73	J	2	0.55	ND		2	0.55	ND		2	0.55
Selenium, Total	10	5.55		5	1.73	1.83	J	5	1.73	ND		5	1.73	ND		5	1.73	ND		5	1.73
Sodium, Total	20000	23300		100	29.3	41900		100	29.3	103000		100	29.3	842		100	29.3	186		100	29.3

Notes:

NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND = Compound was not detected
ug/l = Micrograms per liter
ng/l = Nanograms per liter
- = No AWQS established
J = Elevated detection limit due to dilution required for high interfering element

Concentration compound exceeds the AWQS
Reporting Limit for this compound exceeded the AWQS

5.3 SOIL GAS RESULTS

As shown on **Table 5.6** below, numerous VOCs were detected in soil vapor at the Site. Higher concentrations of petroleum-based VOCs were found in RI-SV01 and RI-SV-02.

Table 5.6: Soil Vapor and Ambient Air Sample Detections Summary (RI)

Client Sample ID:	RI-AMB-01	RI-AA-02	RI-SV-01	RI-SV-02	RI-SV-03	RI-SV-04	RI-SV-05	RI-SV-06	RI-SV-07	RI-SV-08	RI-SV-09
Lab Sample ID:	L2355494-03	JD87013-9	JD87013-1	JD87013-2	JD87013-3	JD87013-4	JD87013-5	L2355494-01	JD87013-6	JD87013-7	JD87013-8
Date Sampled:	9/21/2023	4/22/2024	4/22/2024	4/22/2024	4/22/2024	4/22/2024	4/22/2024	9/21/2023	4/22/2024	4/22/2024	4/22/2024
Matrix:	Ambient Air	Ambient Air	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Volatiles (TO-15) (ug/m3)											
1,2,4-Trimethylbenzene	ND	ND (3.9)	30800	11000	ND (3.9)	116	29	ND	1040	654	34
1,3,5-Trimethylbenzene	ND	ND (3.9)	14800 J	6100	ND (3.9)	42	7.9	231	390	266	8.8
1,3-Butadiene	ND	ND (1.8)	ND (8400)	ND (950)	ND (1.8)	5.1	88.9	ND	ND (35)	13	47.3
2,2,4-Trimethylpentane	ND	ND (3.7)	761000	1690000	ND (3.7)	133	4.2 J	1010	1370	682	4.1 J
2-Butanone	ND	NA	NA	NA	NA	NA	NA	908	NA	NA	NA
4-Ethyltoluene	ND	ND (3.9)	19500	4890	ND (3.9)	45	8.8	ND	445	241	11
Acetone	13.6	7.1	ND (9000)	ND (1000)	7.4	96.7	261	337	179	113	210
Benzene	ND	ND (2.6)	696000	27600	ND (2.6)	8.3	20	11.9	866	48.9	15
Carbon disulfide	ND	ND (2.5)	ND (12000)	ND (1300)	ND (2.5)	6.5	12	32.7	ND (50)	3.7 J	9.7
Chloromethane	1.09	1.3 J	ND (7800)	ND (890)	1.4 J	ND (1.7)	ND (3.3)	ND	ND (33)	ND (3.3)	ND (3.3)
cis-1,2-Dichloroethene	ND	6.7	ND (3000)	ND (340)	ND (0.63)	ND (0.63)	ND (1.3)	ND	ND (13)	ND (1.3)	ND (1.3)
Cyclohexane	ND	ND (2.8)	297000	186000	ND (2.8)	37.2	3.1 J	ND	441	75.7	2.9 J
Ethanol	30.7	63.3	ND (18000)	ND (2100)	36.7	34.1	28.1	ND	78.2	32.4	65
Ethyl Acetate	ND	15	ND (14000)	ND (1500)	3.6	21	10	ND	ND (58)	13	14
Ethylbenzene	ND	ND (3.5)	439000	16100	ND (3.5)	96.9	28	65.2	1970	469	730
Heptane	ND	ND (3.3)	1850000	307000	ND (3.3)	72.1	21	52	4710	463	24
Isopropanol	ND	7.1	ND (9300)	ND (1100)	3.2	ND (2.0)	4.4	ND	ND (39)	ND (3.9)	ND (3.9)
Methyl ethyl ketone	NA	ND (2.4)	ND (11000)	ND (1300)	ND (2.4)	12	8.8	NA	ND (47)	6.2	8.3
Methyl Isobutyl Ketone	NA	ND (3.3)	ND (16000)	5530	ND (3.3)	4.1	ND (6.6)	NA	39 J	10	4 J
n-Hexane	2.66	ND (2.8)	1740000	701000	ND (2.8)	32	31	9.45	1350	149	21
o-Xylene	ND	ND (3.5)	296000	25700	ND (3.5)	149	31	11.9	2030	769	682
p/m-Xylene	1.75	ND (3.5)	1070000	66900	ND (3.5)	382	93.4	20.6	6040	1880	2440
Propylene	NA	ND (3.4)	ND (16000)	967 J	8.6	37.4	895	NA	82.6	94.7	376
Styrene	ND	ND (3.4)	ND (16000)	ND (1800)	ND (3.4)	5.1	ND (6.8)	ND	ND (68)	8.5	ND (6.8)
Tertiary butyl Alcohol	NA	ND (2.4)	ND (12000)	ND (1300)	ND (2.4)	2.8	7	45.2	ND (49)	2.6 J	3.3 J
Tetrahydrofuran	ND	ND (2.4)	ND (11000)	ND (1300)	ND (2.4)	3.5	ND (4.7)	ND	ND (47)	ND (4.7)	ND (4.7)
Toluene	1.99	ND (3.0)	5620000	13100	ND (3.0)	89.7	61.4	16.4	10800	946	69
Trichloroethene	ND	1.9	ND (4100)	ND (460)	ND (0.86)	ND (0.86)	ND (1.7)	ND	ND (17)	4.5	ND (1.7)
Vinyl chloride	ND	3.3	ND (1900)	ND (220)	ND (0.41)	ND (0.41)	ND (0.82)	ND	ND (8.2)	ND (0.82)	ND (0.82)
Xylenes (total)	NA	ND (3.5)	1370000	92600	ND (3.5)	531	124	NA	8070	2650	3120

Notes:
ND - compound not detected
ug/m3 - micrograms per cubic meter
J = Estimated
NA = Not Analyzed

6.0 REMEDIAL INVESTIGATION FINDINGS AND SUMMARY

6.1 CONCEPTUAL SITE MODEL

The following subsections present the Conceptual Site Model (CSM) for the Site and discuss the potential sources of contamination, types of contaminants and affected media, potential contaminant pathways and actual/potential human and environmental receptors. The CSM is based on the 2023-2024 RI data collected at the Site by SESI.

As reported in the Phase I and Phase II ESAs prepared for the Site, the suspected sources of discharge at the Site are primarily related to historical Site operations (i.e., retail gas station and automotive repair garage) and historic presence of USTs.

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). The overall depth of impacted soils ranged from one (1) foot bgs to 10 feet bgs. The contaminants of concern in soil exceeding the RRSCOs at the Site consist of VOCs, while the contaminants of concern exceeding the USCOs at the Site consist of VOCs, naphthalene (SVOC) and metals as follows:

- VOC-contaminated soils exceeding RRSCOs were identified in soils from 5.5 to 10 feet bgs in the northwestern portion of the Site where the former historic filling station pad (AOC-1) was located. Additionally, VOC-contaminated soils exceeding USCOs were identified in soils from one (1) foot to 10 feet bgs in the northern, northwestern and northeastern portions of the Site where the former historic filling station pads and historic UST removal areas (AOC-1 and AOC-5) were located.
- Naphthalene-contaminated soils exceeding the USCOs were identified in soil from 2.5 to to 10 feet bgs in the northwestern corner of the Site. Naphthalene-contaminated soils exceeding the USCOs were also identified in the northeastern corner of the Site from 3.0 to 3.5 feet bgs adjacent to the historic UST removal area (AOC-5).
- Metals-contaminated soils exceeding the USCOs were identified in shallow soils from one (1) to 1.5 feet bgs in the northeastern portion of the Site and from 2.0 to 2.5 feet bgs in the northwestern portion of the Site. A single silver exceedance over the USCO was reported from 7.0 to 7.5 feet bgs in the northwestern portion of the Site and a single copper exceedance over the USCO was reported from 9.5 to 10 feet bgs in the eastern portion of

the Site.

Migration pathways include surface water runoff and soil contamination leaching from soil to groundwater. Receptors include humans coming into direct contact with soil.

The applicable SCGs for the Site groundwater are the NYSDEC TOGS 1.1.1 AWQS. The Site's groundwater has been impacted with VOCs, PAHs and metals above NYSDEC TOGS AWQS as a result of historical operations as follows:

- VOCs were detected above their respective AWQS across all onsite wells. Monitoring wells RI-MW-01 and RI-MW-02 reported the greatest concentrations and distribution of VOCs located in the northwestern and northeastern corner of the Site.
- SVOCs were detected above their respective AWQS in monitoring wells RI-MW-02, RI-MW-03 and RI-MW-06.
- The greatest concentrations and distribution of metals above their respective AWQS were detected in well RI-MW-03 which is centrally located. Select metal compounds (i.e., iron, chromium, sodium and magnesium) were reported above their respective AWQS in monitoring wells RI-MW-01, RI-MW-02 and RI-MW-05.

The Site groundwater table ranges between 265 ft above sea level at the southwest and 285 ft above sea level to the central east and east based on the groundwater survey and associated contour map. As groundwater in this area of Ossining is not used for portable water, the pathway of the contaminated groundwater to human receptors is limited to the ingestion of the groundwater or direct exposure through excavation work. Further, because the nearest surface water is approximately 1,320 feet to the northwest (Kill Brook), impacted Site groundwater is not expected to have a pathway to an ecological receptor.

Finally, the PHC VOCs and CVOCs detected in soil vapor can result in soil vapor intrusion into the future on-Site buildings. Specifically, higher concentrations of PHC VOCs were identified in the former tank pad area (AOC-1) and the historic UST removal area (AOC-5). Furthermore, a vapor intrusion evaluation will be needed for any proposed enclosed areas as these PHC VOCs and CVOCs may result in soil vapor intrusion into the future on-Site buildings.

6.2 HUMAN HEALTH EXPOSURE ASSESSMENT

This exposure assessment discusses potential migration routes by which chemicals in the environment may be able to reach human receptors in accordance with NYSDEC DER-10 sections 3.14(c)17, 3.3(c)4 and Appendix 3B. This discussion is based on current and hypothetical future Site conditions and addresses the following four (4) points:

- Identifies areas of concern and chemicals of concern;
- Evaluates actual or potential exposure pathways;
- Characterizes the potentially exposed receptors (residents, workers, recreational users, etc.,), and
- Identifies how any unacceptable exposures might be eliminated/mitigated.

6.2.1 AREAS OF CONCERN AND CHEMICALS OF CONCERN

Findings from the remedial investigation at the Site indicate:

- VOC impacts in soil exceeding RRSCOs were identified in the northwestern portion of the Site between 5.5 and 10 feet bgs. Additionally, VOC impacts in soil exceeding USCOs were identified to be isolated to the northern, northwestern and northeastern portions of the Site at depths between one (1) to 10 feet bgs. Naphthalene impacted soils exceeding the USCO were identified in soils from 2.5 to 10 feet bgs in the northwestern portion of the Site. Metals contaminated soils exceeding the USCOs were identified in shallow soils from one (1) to 1.5 feet bgs in the northeastern portion of the Site and from 2.0 to 2.5 feet bgs in the northwestern portion of the Site. A single silver exceedance over the USCHO was reported from 7 to 7.5 feet bgs in the northwestern portion of the Site and a single copper exceedance over the USCO was reported from 9.5 to 10 feet bgs in the eastern portion of the Site.
- Site groundwater has been impacted with VOCs, PAHs and metals. VOCs were detected above their respective AWQS across all onsite wells. Monitoring wells RI-MW-01 and RI-MW-02 (northwestern and northeastern portion of the Site) reported the greatest concentrations and distribution of VOCs. PAHs were detected in monitoring wells RI-MW-02, RI-MW-03 and RI-MW-06. The greatest concentrations and distribution of metals above their respective AWQS were detected in well RI-MW-03 which is centrally located. Select metal compounds (i.e., iron, chromium, sodium and magnesium) were reported above their respective AWQS in monitoring wells RI-MW-01, RI-MW-02 and RI-MW-05.

- PHC VOCs and CVOCs were still detected in soil vapor.

6.2.2 ACTUAL AND POTENTIAL EXPOSURE PATHWAYS AND RECEPTORS

The five (5) elements that comprise an exposure pathway include:

1. A description of the contaminant source. If the original source is unknown, then a description of the contaminated environmental medium at the point of exposure;
2. An explanation of the transport mechanism;
3. An identification of all potential exposure points;
4. A description of the exposure route at the contact point; and
5. A receptor population.

As noted in the CSM, the contaminant source includes historical Site operations and the historic presence of USTs. Transport mechanisms, exposure routes and contact points, and potential receptors for each medium are discussed below. The specific remedies to be employed to reduce/eliminate the exposure risks are briefly described below and will be detailed in the Remedial Action Work Plan (RAWP) that will be prepared for the Site.

Soil

Impacted soils can potentially be transported from the Site through dust, surface water, sediment runoff and leaching to the groundwater. Dust and direct contact create potential exposure points to human receptors through inhalation, ingestion and dermal contact during demolition and construction activities as well as unauthorized access to the Site. Surface water and sediment runoff create potential exposure to surface water and other ecological receptors and leaching to groundwater creates a pathway to potential users of groundwater.

Access to the Site will be restricted with a fence, PPE will be used during construction and remediation activities, SESC controls will be implemented during construction and remediation. Air monitoring will be performed during any ground intrusive activities.

Groundwater

Contamination in groundwater can be transported via groundwater flow or inhalation of vapors. The primary exposure points for human receptors points to impacted groundwater are direct

ingestion or adsorption during excavation work and ingestion of impacted potable water. Migration of groundwater to surface water, wetlands, or other ecological receptors also represents an exposure point.

Water in this area is not used as a potable source, groundwater encountered during construction or remediation will be containerized, managed and treated/disposed accordingly.

Soil Vapor and Indoor Air

The potential for vapor contamination to migrate exists whenever near contaminants volatize and this is enhanced during intrusive activities such as demolition and excavation. The exposure route for soil vapor is through the inhalation of the contaminated soil vapor during intrusive construction activities or when vapors intrude into the enclosed spaces of any planned Site development. After the Site is redeveloped a potential for vapors to accumulate in enclosed areas of the proposed building, such as basements, crawl spaces, first floors, etc. create potential exposure points.

CAMP air monitoring will be performed during any ground intrusive activities and a soil vapor evaluation will be performed for any new construction.

6.3 FISH AND WILDLIFE IMPACT ANALYSIS

The Site does not contain any ecologically sensitive resources and hence the contaminated soils are not expected to have any impacts on any ecological resources.

The Fish and Wildlife Resources Impact Analysis Decision Key (NYSDEC, 2010; DER-10 Appendix 3C) was utilized to evaluate the Site for potential fish and wildlife impacts. The result of the assessment determined that the Site does not contain any ecologically sensitive resources and hence the contaminated soils are not expected to have any impacts on ecological resources.

6.4 DATA USABILITY SUMMARY REPORT

To validate laboratory analytical data, Data Usability Summary Reports (DUSR) for each laboratory analytical data package have been prepared. To ensure that the field sampling and laboratory analytical practices were acceptable, the data associated with all the samples were validated by a third party (in accordance with requirements of DER-10). The validation approach

and results are presented in the DUSRs and are included in this RAWP. The DUSR results are presented in **Appendix H**.

The DUSR includes data sets from this phase of the remedial investigation and the previous 2021 SESI Phase II investigation. The DUSR was carried out as specified in DER-10 to evaluate the quality control measures that were implemented during the field and laboratory analytical programs, with the objective of determining whether the reported analytical data are representative and usable for decision making. The DUSR evaluated whether the data are technically defensible. Data usability analysis reviews the Site data to determine whether they are adequate to draw conclusions regarding the nature and extent of contamination.

The items that were reviewed as part of the DUSR include the following:

- Completeness (number of samples collected and analyzed compared to plans)
- Chains of custody are complete and accurate
- Holding times
- Instrument calibration
- Relative percent difference between field duplicates
- Reasonableness of data (e.g. relationships between total and soluble analytes)
- Blank contamination

SESI facilitated a data usability review by a data validation expert, Dr. Hanibal Tayeh. The DUSRs and data validation summaries of the analytical testing data are presented in **Appendix H.**

The DUSR for the soil, groundwater and soil vapor samples analyzed by Alpha Analytical Laboratories showed that the overall performances of the analyses are acceptable and did fulfill the requirements of the analytical methods. A review of the quality assurance criteria listed in the laboratory data package shows with a good degree of certainty that the laboratory's compliance with the procedures set forth in the required USEPA analytical methods indicated in the chain of custody. No deviations from the said methods have been noticed. The overall data package assessment provided by the laboratory suggests acceptable laboratory performances of the required methods. All samples were successfully analyzed for all target compounds in accordance with the Quality Assurance/Quality Control (QA/QC) requirements for the USEPA analytical

methods used for the analyses.

However, the qualified data notes as having an estimated, high bias or low bias may be subject to the user's reconsideration or determination in the circumstances of obtaining additional information that is not contained in the data validation criteria. With respect to the data usability and completeness, the data was generally acceptable, and no data should be discounted. The RI results provide sufficient data to develop a feasible, conceptual remedy for the impacted groundwater and soils.

6.5 SUMMARY OF RI RESULTS AND RECOMMENDATIONS

The remedial investigation at the Site was conducted to determine the nature and extent of onsite contamination for all media and provide the data required to determine an appropriate remedial action for the Site. Based on the findings of the remedial investigation, a RAWP will be prepared to outline the proposed remedial action and determine the cleanup track (i.e., Track 1 through Track 4).

Soil impacted with VOCs exceeding RRSCOs were identified in the northwestern portion of the Site between 5.5 and 10 feet bgs. Additionally, soil impacted with VOCs exceeding USCOs were identified to be isolated to the northern, northwestern and northeastern portions of the Site at depths between one (1) to 10 feet bgs. Shallow VOC contaminated soil exceeding USCOs was identified in the northeastern corner of the Site from one (1) to 1.5 feet bgs. Naphthalene was detected above the USCO in soils from 2.5 to 10 feet bgs in the northwestern portion of the Site and from 3.0 to 3.5 feet bgs in the northeastern portion of the Site. Exceedances of metals to the USCOs were isolated to shallow soils in the northeastern portion of the Site from one (1) to 1.5 feet bgs and from 2.0 to 2.5 feet bgs in the northwestern portion of the Site. A single silver exceedance over the USCO was reported from 7.0 to 7.5 feet bgs in the northwestern portion of the Site and a single copper exceedance over the USCO was reported from 9.5 to 10 feet bgs in the eastern portion of the Site.

Sampling also indicates that Site groundwater is impacted by VOCs, PAHs, and metals at concentrations above the AWQS across the Site. VOCs were detected above their respective AWQS across all onsite wells. Monitoring wells RI-MW-01 and RI-MW-02 reported the greatest

concentrations and distribution of VOCs and are located in the northwestern and northeastern corners of the Site property. PAHs were detected above their respective AWQS in monitoring wells RI-MW-02, RI-MW-03 and RI-MW-06. The greatest concentrations and distributions of metals above their respective AWQS were detected in well RI-MW-03 which is centrally located. Select metal compounds were also reported in exceedance of AWQS in wells RI-MW-01, RI-MW-02 and RI-MW-05. A second round of groundwater sampling is to be conducted prior to redevelopment and the sampling data reported in the construction completion report and RAWP. Finally, numerous VOCs have been identified in soil vapor at the Site. Future development should consider vapor intrusion.

To render the Site usable for future development, the RAWP will address the remedial alternatives to limit the exposure to the impacted soils and mitigate the impact to groundwater from on-site sources. It will also address alternatives to mitigate exposures to any VOC vapor intrusion into the proposed development.

The RI has determined that remedial action needs to be implemented to remediate the contaminated soil and groundwater and mitigate potential vapor intrusion risks. To render the Site usable for future development, the RAWP will address the remedial alternatives to limit the exposure to the impacted soils and mitigate the impact to groundwater from onsite sources. It will also address alternatives to mitigate exposures to any VOC vapor intrusion into the proposed redevelopment. The specific alternatives proposed will be fully evaluated in the RAWP.

Based on the results of the Remedial Investigation, the following Remedial Action Objectives (RAOs) have been identified for this Site.

Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater containing contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of, volatiles emanating from contaminated groundwater.

RAOs for Environmental Protection

- Restore ground water aquifer, to the extent practicable, to pre-disposal/pre-release conditions.
- Remove the source of ground or surface water contamination.

Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater contamination.

Soil Vapor

RAOs for Public Health Protection

Mitigate impacts to public health resulting from potential present and future soil vapor intrusion into buildings at the site.

7.0 COMMUNITY AIR MONITORING DATA

Community air monitoring was performed during sub-surface investigation activities. Air monitoring concentrations did not exceed applicable action levels during the investigation and elevated levels of visual dust were not observed. The community air monitoring data is provided in **Appendix B**

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8.0 DEVIATIONS FROM THE RIWP

Deviations from the RIWP are summarized below:

- Monitoring wells RI-MW-01 through RI-MW-06 were installed with 15 foot well screens as opposed to the 10 foot well screens suggested in the RIWP due to the uncertainty of groundwater levels at the Site. This deviation was discussed with the NYSDEC Project Manager on October 5, 2023. The email correspondence can be found in **Appendix I**.

- Soil vapor samples RI-SV-01 through RI-SV-05 were not collected due to saturated conditions in the soil. The sampling was attempted again the week of 10/2/23 and again on 10/19/23; both times were unsuccessful to the points being waterlogged. This deviation was discussed with the NYSDEC Case Manager on October 5, 2023 and October 24, 2023. The emails correspondence can be found in **Appendix I**. Based on conversations with the NYSDEC Case Manager thereafter, the initial RIR was not approved, and the originally proposed soil vapor samples (RI-SV-01 through -05) as well as an additional three (3) soil vapor samples were collected as requested by the NYSDEC and NYSDOH. Samples were successfully collected from these locations and therefore this is no longer considered a deviation from the RIWP.

- Surface samples RI-SS-01 through RI-SS-05 were not collected as proposed in the RIWP. This deviation was discussed with the NYSDEC Case Manager. The objective of these surface samples was to determine if any residual contamination was going to remain, however, the soil from this area will be remediated or removed to facilitate construction.

- Sampling of the weathered bedrock was not conducted as proposed in the Interim Remedial Measures Work Plan due to the fact vertical delineation was already achieved and the previous acetone exceedance was likely due to lab contamination. This deviation was discussed with the NYSDEC Case Manager on October 5, 2023. The email correspondence can be found in **Appendix I.**

- Support of Excavation (SOE) has not been completed and is being designed to facilitate Site Preparation.

9.0 REFERENCES

Geotechnical Investigation Report, 136-140 Croton Avenue, Ossining, New York, by SESI, October 10, 2023

Interim Remedial Measures Workplan, Sun Valley Nursery Filling Station Site, NYSDEC BCP Site No.:C360207, 136-140 Croton Avenue, Ossining, New York, by SESI, August 2022/Revised December 2022

Phase I Environmental Site Assessment, Block 6000, Lots 79 and 80, 136-140 Croton Avenue, Ossining, Westchester County, New York, by SESI, November 2021

Phase II Environmental Site Assessment Report, Sun Valley Nursery Filling Station Site, 136-140 Croton Avenue, Ossining, New York by SESI, November 2021

Remedial Investigation Workplan, Sun Valley Nursery Filling Station Site, NYSDEC BCP Site No.: C360207, 136-140 Croton Avenue, Ossining, New York, by SESI, May 2022/Revised August 2022

Tables

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:			RI-SB-01																		RI-SB-02									
Client Sample ID:			RI-SB-01 (2.5-3)				DUP20230915				RI-SB-01 (9-9.5)				RI-SB-01 (10-10.5)				RI-SB-01 (18.5-19)				RI-SB-02 (4.5-5)				RI-SB-02 (5.5-6)				RI-SB-02 (10-10.5)			
Lab Sample ID:			L2354249-08				L2354249-12				L2354249-09				L2354249-10				L2354249-11				L2354249-04				L2354249-05				L2354249-06			
Date Sampled:	USCO	RRSCO	9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):			2.5-3'								9-9.5'				10-10.5'				18.5-19'				4.5-5'				5.5-6'				10-10.5'			
Matrix:			SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)																																		
1,1,1,2-Tetrachloroethane			ND		0.00051	0.00014	ND		0.00047	0.00012	ND		0.00047	0.00012	ND		0.00052	0.00014	ND		0.00047	0.00012	ND		0.026	0.0068	ND		0.25	0.067	ND		0.54	0.14
1,1,1-Trichloroethane	0.68	100	ND		0.00051	0.00017	ND		0.00047	0.00016	ND		0.00047	0.00016	ND		0.00052	0.00017	ND		0.00047	0.00016	ND		0.026	0.0086	ND		0.25	0.085	ND		0.54	0.18
1,1,2,2-Tetrachloroethane			ND		0.00051	0.00017	ND		0.00047	0.00016	ND		0.00047	0.00016	ND		0.00052	0.00017	ND		0.00047	0.00016	ND		0.026	0.0085	ND		0.25	0.084	ND		0.54	0.18
1,1,2-Trichloroethane			ND		0.001	0.00027	ND		0.00094	0.00025	ND		0.00094	0.00025	ND		0.001	0.00028	ND		0.00094	0.00025	ND		0.051	0.014	ND		0.51	0.14	ND		1.1	0.29
1,1-Dichloroethane	0.27	26	ND		0.001	0.00015	ND		0.00094	0.00014	ND		0.00094	0.00014	ND		0.001	0.00015	ND		0.00094	0.00014	ND		0.051	0.0074	ND		0.51	0.074	ND		1.1	0.16
1,1-Dichloroethene	0.33	100	ND		0.001	0.00024	ND		0.00094	0.00022	ND		0.00094	0.00022	ND		0.001	0.00025	ND		0.00094	0.00022	ND		0.051	0.012	ND		0.51	0.12	ND		1.1	0.26
1,1-Dichloropropene			ND		0.00051	0.00016	ND		0.00047	0.00015	ND		0.00047	0.00015	ND		0.00052	0.00016	ND		0.00047	0.00015	ND		0.026	0.0082	ND		0.25	0.081	ND		0.54	0.17
1,2,3-Trichlorobenzene			ND		0.002	0.00033	ND		0.0019	0.0003	ND		0.0019	0.0003	ND		0.0021	0.00033	ND		0.0019	0.0003	ND		0.1	0.016	ND		1	0.16	ND		2.2	0.35
1,2,3-Trichloropropane			ND		0.002	0.00013	ND		0.0019	0.00012	ND		0.0019	0.00012	ND		0.0021	0.00013	ND		0.0019	0.00012	ND		0.1	0.0065	ND		1	0.065	ND		2.2	0.14
1,2,4,5-Tetramethylbenzene			ND		0.002	0.0002	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0021	0.0002	ND		0.0019	0.00018	5.1		0.1	0.0098	12		1	0.097	21		2.2	0.21
1,2,4-Trichlorobenzene			ND		0.002	0.00028	ND		0.0019	0.00025	ND		0.0019	0.00026	ND		0.0021	0.00028	ND		0.0019	0.00026	ND		0.1	0.014	ND		1	0.14	ND		2.2	0.3
1,2,4-Trimethylbenzene	3.6	52	ND		0.002	0.00034	ND		0.0019	0.00031	ND		0.0019	0.00031	ND		0.0021	0.00035	ND		0.0019	0.00031	41		0.51	0.086	220		10	1.7	280		5.4	0.9
1,2-Dibromo-3-chloropropane			ND		0.0031	0.001	ND		0.0028	0.00093	ND		0.0028	0.00094	ND		0.0031	0.001	ND		0.0028	0.00094	ND		0.15	0.051	ND		1.5	0.51	ND		3.2	1.1
1,2-Dibromoethane			ND		0.001	0.00029	ND		0.00094	0.00026	ND		0.00094	0.00026	ND		0.001	0.00029	ND		0.00094	0.00026	ND		0.051	0.014	ND		0.51	0.14	ND		1.1	0.3
1,2-Dichlorobenzene	1.1	100	ND		0.002	0.00015	ND		0.0019	0.00013	ND		0.0019	0.00014	ND		0.0021	0.00015	ND		0.0019	0.00014	ND		0.1	0.0074	ND		1	0.073	ND		2.2	0.16
1,2-Dichloroethane	0.02	3.1	ND		0.001	0.00026	ND		0.00094	0.00024	ND		0.00094	0.00024	ND		0.001	0.00027	ND		0.00094	0.00024	ND		0.051	0.013	ND		0.51	0.13	ND		1.1	0.28
1,2-Dichloroethene, Total			ND		0.001	0.00014	ND		0.00094	0.00013	ND		0.00094	0.00013	ND		0.001	0.00014	ND		0.00094	0.00013	ND		0.051	0.007	ND		0.51	0.07	ND		1.1	0.15
1,2-Dichloropropane			ND		0.001	0.00013	ND		0.00094	0.00012	ND		0.00094	0.00012	ND		0.001	0.00013	ND		0.00094	0.00012	ND		0.051	0.0064	ND		0.51	0.064	ND		1.1	0.14
1,3,5-Trimethylbenzene	8.4	52	ND		0.002	0.0002	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0021	0.0002	ND		0.0019	0.00018	12		0.1	0.0099	56		1	0.098	96		2.2	0.21
1,3-Dichlorobenzene	2.4	49	ND		0.002	0.00015	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0021	0.00015	ND		0.0019	0.00014	ND		0.1	0.0076	ND		1	0.075	ND		2.2	0.16
1,3-Dichloropropane			ND		0.002	0.00017	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0021	0.00017	ND		0.0019	0.00016	ND		0.1	0.0086	ND		1	0.085	ND		2.2	0.18
1,3-Dichloropropene, Total			ND		0.00051	0.00016	ND		0.00047	0.00015	ND		0.00047	0.00015	ND		0.00052	0.00016	ND		0.00047	0.00015	ND		0.026	0.0081	ND		0.25	0.08	ND		0.54	0.17
1,4-Dichlorobenzene	1.8	13	ND		0.002	0.00018	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0021	0.00018	ND		0.0019	0.00016	ND		0.1	0.0088	ND		1	0.087	ND		2.2	0.18
1,4-Dioxane	0.1	13	ND		0.082	0.036	ND		0.075	0.033	ND		0.075	0.033	ND		0.083	0.036	ND		0.075	0.033	ND		4.1	1.8	ND		41	18	ND		87	38
2,2-Dichloropropane			ND		0.002	0.00021	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0021	0.00021	ND		0.0019	0.00019	ND		0.1	0.01	ND		1	0.1	ND		2.2	0.22
2-Butanone	0.12	100	ND		0.01	0.0023	0.0021	J	0.0094	0.0021	ND		0.0094	0.0021	ND		0.01	0.0023	ND		0.0094	0.0021	ND		0.51	0.11	ND		5.1	1.1	ND		11	2.4
2-Hexanone			ND		0.01	0.0012	ND		0.0094	0.0011	ND		0.0094	0.0011	ND		0.01	0.0012	ND		0.0094	0.0011	ND		0.51	0.061	ND		5.1	0.6	ND		11	1.3
4-Methyl-2-pentanone			ND		0.01	0.0013	ND		0.0094	0.0012	ND		0.0094	0.0012	ND		0.01	0.0013	ND		0.0094	0.0012	ND		0.51	0.066	ND		5.1	0.65	ND		11	1.4
Acetone	0.05	100	0.0067	J	0.01	0.0049	0.0097		0.0094	0.0045	0.0051	J	0.0094	0.0045	0.0056	J	0.01	0.005	ND		0.0094	0.0045	ND		0.51	0.25	ND		5.1	2.4	ND		11	5.2
Acrylonitrile			ND		0.0041	0.0012	ND		0.0037	0.0011	ND		0.0038	0.0011	ND		0.0042	0.0012	ND		0.0038	0.0011	ND		0.2	0.059	ND		2	0.58	ND		4.3	1.2
Benzene	0.06	4.8	ND		0.00051	0.00017	ND		0.00047	0.00016	ND		0.00047	0.00016	ND		0.00052	0.00017	ND		0.00047	0.00016	0.094		0.026	0.0085	2.2		0.25	0.084	3.7		0.54	0.18
Bromobenzene			ND		0.002	0.00015	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0021	0.00015	ND		0.0019	0.00014	ND		0.1	0.0074	ND		1	0.074	ND		2.2	0.16
Bromochloromethane			ND		0.002	0.00021	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0021	0.00021	ND		0.0019	0.00019	ND		0.1	0.01	ND		1	0.1	ND		2.2	0.22
Bromodichloromethane			ND		0.00051	0.00011	ND		0.00047	0.0001	ND		0.00047	0.0001	ND		0.00052	0.00011	ND		0.00047	0.0001	ND		0.026	0.0056	ND		0.25	0.055	ND		0.54	0.12
Bromoform			ND		0.0041	0.00025	ND		0.0037	0.00023	ND		0.0038	0.00023	ND		0.0042	0.00026	ND		0.0038	0.00023	ND		0.2	0.013	ND		2	0.12	ND		4.3	0.27
Bromomethane			ND		0.002	0.0006	ND		0.0019	0.00054	ND		0.0019	0.00055	ND		0.0021	0.0006	ND		0.0019	0.00054	0.032	J	0.1	0.03	ND		1	0.3	ND		2.2	0.63
Carbon disulfide			ND		0.01	0.0047	ND		0.0094	0.0042	ND		0.0094	0.0043	ND		0.01	0.0047	ND		0.0094	0.0043	ND		0.51	0.23	ND		5.1	2.3	ND		11	4.9
Carbon tetrachloride	0.76	2.4	ND		0.001	0.00024	ND		0.00094	0.00022	ND		0.00094	0.00022	ND		0.001	0.00024	ND		0.00094	0.00022	ND		0.051	0.012	ND		0.51	0.12	ND		1.1	0.25
Chlorobenzene	1.1	100	ND		0.00051	0.00013	ND		0.00047	0.00012	ND		0.00047	0.00012	ND		0.00052	0.00013	ND		0.00047	0.00012	ND		0.026	0.0065	ND		0.25	0.065	ND		0.54	0.14
Chloroethane			ND		0.002	0.00046	ND		0.0019	0.00042	ND		0.0019	0.00042	ND		0.0021	0.00047	ND		0.0019	0.00042	ND		0.1	0.023	ND		1	0.23	ND		2.2	0.49
Chloroform	0.37	49	ND		0.0015	0.00014	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0016	0.00014	ND		0.0014	0.00013	ND		0.077	0.0072	ND		0.76	0.071	ND		1.6	0.15
Chloromethane			ND		0.0041	0.00096	ND		0.0037	0.00087	ND		0.0038	0.00088	ND		0.0042	0.00097	ND		0.0038	0.00087	ND		0.2	0.048	ND		2	0.47	ND		4.3	1
cis-1,2-Dichloroethene	0.25	100	ND		0.001	0.00018	ND		0.00094	0.00016	ND		0.00094	0.00016	ND		0.001	0.00018	ND		0.00094	0.00016	ND		0.051	0.009	ND		0.51	0.089	ND		1.1	0.19
cis-1,3-Dichloropropene			ND		0.00051	0.00016	ND		0.00047	0.00015	ND		0.00047	0.00015	ND		0.00052	0.00016	ND		0.00047	0.00015	ND		0.026	0.0081	ND		0.25	0.08	ND		0.54	0.17
Dibromochloromethane			ND		0.001	0.00014	ND		0.00094	0.00013	ND		0.00094	0.00013	ND		0.001	0.00014	ND		0.00094	0.00013	ND		0.051	0.0072	ND		0.51	0.071	ND		1.1	0.15
Dibromomethane			ND		0.002	0.00024	ND		0.0019	0.00022	ND		0.0019	0.00022	ND		0.0021	0.00025	ND		0.0019	0.00022	ND		0.1	0.012	ND		1	0.12	ND		2.2	0.26
Dichlorodifluoromethane			ND		0.01	0.00094	ND		0.0094	0.00086	ND		0.0094	0.00086	ND		0.01	0.00095	ND		0.0094	0.00086	ND		0.51	0.047	ND		5.1	0.46	ND		11	0.99
Ethyl ether			ND		0.002	0.00035	ND		0.0019	0.00032	ND		0.0019	0.00032	ND		0.0021	0.00035	ND		0.0019	0.00032	ND		0.1	0.018	ND		1	0.17	ND		2.2	0.37
Ethylbenzene	1	41	ND		0.001	0.00014	ND		0.00094	0.00013	ND		0.00094	0.00013	ND		0.001	0.00015	ND		0.00094	0.00013	10		0.051	0.0072	67		0.51	0.072	100		1.1	0.15
Hexachlorobutadiene			ND		0.0041	0.00017	ND		0.0037	0.00016	ND		0.0038	0.00016	ND		0.0042	0.00018	ND		0.0038	0.00016	ND		0.2	0.0087	ND		2	0.086	ND		4.3	0.18
Isopropylbenzene			ND		0.001	0.00011	ND		0.00094	0.0001	ND		0.00094	0.0001	ND		0.001	0.00011	ND		0.00094	0.0001	2.9		0.051	0.0056	11		0.51	0.055	19		1.1	0.12
Methyl tert butyl ether	0.93	100	ND		0.002	0.00021	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0021	0.00021	ND		0.0019	0.00019	ND		0.1	0.01	ND		1	0.1	ND		2.2	0.22
Methylene chloride	0.05	100	ND		0.0051	0.0023	ND		0.0047	0.0021	ND		0.0047	0.0022	ND		0.0052	0.0024	ND		0.0047	0.0021	ND		0.26	0.12	ND		2.5	1.2	ND		5.4	2.5
n-Butylbenzene	12	100	ND		0.001	0.00017	ND		0.00094	0.00016	ND		0.00094	0.00016	ND		0.001	0.00017	ND		0.00094	0.00016	3.3		0.051	0.0086	8.3		0.51	0.085	14		1.1	0.18
n-Propylbenzene	3.9	100	ND		0.001	0.00018	ND		0.00094	0.00016	ND		0.00094	0.00016	ND		0.001	0.00018	ND		0.00094	0.00016	11		0.051	0.0088	42		0.51	0.087	74		1.1	0.18
Naphthalene	12	100	ND		0.0041	0.00067	ND		0.0037	0.00061	ND		0.0038	0.00061	ND		0.0042	0.00068	ND		0.0038	0.00061	5.1		0.2	0.033	14		2	0.33	27		4.3	0.7
o-Chlorotoluene			ND		0.002	0.0002	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0021	0.0002	ND		0.0019	0.00018	ND		0.1	0.0098	ND		1	0.097	ND		2.2	0.21
o-Xylene			ND		0.001	0.0003	ND		0.00094	0.00027	ND		0.00094	0.00027	ND		0.001	0.0003	ND		0.00094	0.00027	9.3		0.051	0.015	120		0.51	0.15	160		1.1	0.32
p-Chlorotoluene			ND		0.002	0.00011	ND		0.0019	0.0001	ND		0.0019	0.0001	ND		0.0021	0.00011	ND		0.0019	0.0001	ND		0.1	0.0056	ND		1	0.055	ND		2.2	0.12
p-Diethylbenzene			ND		0.002	0.00018	ND		0.0019	0.00016	ND		0.0019	0.00017	ND		0.0021	0.00018	ND		0.0019	0.00017	15		0.1	0.0091	3.6		1	0.09	71		2.2	0.19
p-Ethyltoluene			ND		0.002	0.00039	ND		0.0019	0.00036	ND		0.0019	0.00036	ND		0.0021	0.0004	ND		0.0019	0.00036	37		0.51	0.099	200		10	2	310		2.2	0.42
p-Isopropyltoluene			ND		0.001	0.00011	ND		0.00094	0.0001	ND		0.00094	0.0001	ND		0.001	0.00011	ND		0.00094	0.0001	0.58		0.051	0.0056	1.8		0.51	0.055	2.8		1.1	0.12
p/m-Xylene			ND		0.002	0.00057	ND		0.0019	0.00052	ND		0.0019	0.00053	ND		0.0021	0.00058	ND		0.0019	0.00052	27		0.1	0.029	300		1	0.28	380		2.2	0.61
sec-Butylbenzene	11	100	ND		0.001	0.00015	ND		0.00094	0.00014	ND		0.00094	0.00014	ND		0.001	0.00015	ND		0.00094	0.00014	1.3		0.051	0.0075	3.6		0.51	0.074	6.1		1.1	0.16
Styrene			ND		0.001	0.0002	ND		0.00094	0.00018	ND		0.00094	0.00018	ND		0.001	0.0002	ND		0.00094	0.00018	0.019	J	0.051	0.01	ND		0.51	0.1	ND		1.1	0.21
tert-Butylbenzene	5.9	100	ND		0.002	0.00012	ND		0.0019	0.00011	ND		0.0019	0.00011	ND		0.0021	0.00012	ND		0.0019	0.00011	0.019	J	0.1	0.0061	ND		1	0.06	ND		2.2	0.13
Tetrachloroethene	1.3	19	ND		0.00051	0.0002	ND		0.00047	0.00018	ND		0.00047	0.00018	ND		0.00052	0.0002	ND		0.00047	0.00018	ND		0.026	0.01	ND		0.25	0.1	ND		0.54	0.21

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RRSCO	RI-SB-01																			
Client Sample ID:			RI-SB-01 (2.5-3)				DUP20230915				RI-SB-01 (9-9.5)				RI-SB-01 (10-10.5)				RI-SB-01 (18.5-19)			
Lab Sample ID:			L2354249-08				L2354249-12				L2354249-09				L2354249-10				L2354249-11			
Date Sampled:			9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):			2.5-3'								9-9.5'				10-10.5'				18.5-19'			
Matrix:			SOIL				SOIL				SOIL				SOIL				SOIL			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Toluene	0.7	100	ND		0.001	0.00056	0.00056	J	0.00094	0.00051	0.0006	J	0.00094	0.00051	ND		0.001	0.00056	0.00065	J	0.00094	0.00051
trans-1,2-Dichloroethene	0.19	100	ND		0.0015	0.00014	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0016	0.00014	ND		0.0014	0.00013
trans-1,3-Dichloropropene			ND		0.001	0.00028	ND		0.00094	0.00026	ND		0.00094	0.00026	ND		0.001	0.00028	ND		0.00094	0.00026
trans-1,4-Dichloro-2-butene			ND		0.0051	0.0014	ND		0.0047	0.0013	ND		0.0047	0.0013	ND		0.0052	0.0015	ND		0.0047	0.0013
Trichloroethene	0.47	21	ND		0.00051	0.00014	ND		0.00047	0.00013	ND		0.00047	0.00013	ND		0.00052	0.00014	ND		0.00047	0.00013
Trichlorofluoromethane			ND		0.0041	0.00071	ND		0.0037	0.00065	ND		0.0038	0.00065	ND		0.0042	0.00072	ND		0.0038	0.00065
Vinyl acetate			ND		0.01	0.0022	ND		0.0094	0.002	ND		0.0094	0.002	ND		0.01	0.0022	ND		0.0094	0.002
Vinyl chloride	0.02	0.9	ND		0.001	0.00034	ND		0.00094	0.00031	ND		0.00094	0.00032	ND		0.001	0.00035	ND		0.00094	0.00031
Xylenes, Total	0.26	100	ND		0.001	0.0003	ND		0.00094	0.00027	ND		0.00094	0.00027	ND		0.001	0.0003	ND		0.00094	0.00027
Total VOCs			0.0067	-	-	-	0.01236	-	-	-	0.0057	-	-	-	0.0056	-	-	-	0.00065	-	-	-
Volatile Organic Compounds - TIC (mg/kg)																						
1-Propene, 2-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Butane, 2-Methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Cyclohexane, methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Cyclopentane, Methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Cyclotrisiloxane, Hexamethyl-			-		-	-	-		-	-	-		-	-	0.00224	NJ	0	0	-		-	-
Decane, 4-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Heptane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Heptane, 2-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Heptane, 3-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 2,2,4-trimethyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 2,5-dimethyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 2-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 3-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Indane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
n-Hexane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
No Tentatively Identified Compounds			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Nonane (C9)			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Nonane, 4-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Octane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Octane, 2,6-dimethyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Octane, 3-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3,3-trimethyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3,4-trimethyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3-dimethyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 3-methyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown			0.00583	J	0	0	0.00511	J	0	0	0.00492	J	0	0	-		-	-	0.00503	J	0	0
Unknown			-		-	-	-		-	-	-		-	-	0.00285	J	0	0	-		-	-
Unknown			-		-	-	-		-	-	-		-	-	0.0021	J	0	0	-		-	-
Unknown			-		-	-	-		-	-	-		-	-	0.00578	J	0	0	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	0.00348	J	0	0	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	0.0021	J	0	0	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	0.00285	J	0	0	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	0.00394	J	0	0	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Cycloalkane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Cyclohexane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds			0.00583	J	0	0	0.00511	J	0	0	0.00492	J	0	0	0.0253	J	0	0	0.00503	J	0	0
Perfluorinated Alkyl Acids (ug/kg)																						
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)			ND		0.000493	0.000283	ND		0.00048	0.000275	ND		0.000506	0.00029	ND		0.000521	0.000299	ND		0.000533	0.000306
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)			ND		0.000493	0.000177	ND		0.00048	0.000172	ND		0.000506	0.000182	ND		0.000521	0.000187	ND		0.000533	0.000191

Boring ID:	RI-SB-02											
Client Sample ID:	RI-SB-02 (4.5-5)				RI-SB-02 (5.5-6)				RI-SB-02 (10-10.5)			
Lab Sample ID:	L2354249-04				L2354249-05				L2354249-06			
Date Sampled:	9/15/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):	4.5-5'				5.5-6'				10-10.5'			
Matrix:	SOIL				SOIL				SOIL			
	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Toluene	3.6		0.051	0.028	31		0.51	0.28	50		1.1	0.59
trans-1,2-Dichloroethene	ND		0.077	0.007	ND		0.76	0.07	ND		1.6	0.15
trans-1,3-Dichloropropene	ND		0.051	0.014	ND		0.51	0.14	ND		1.1	0.3
trans-1,4-Dichloro-2-butene	ND		0.26	0.073	ND		2.5	0.72	ND		5.4	1.5
Trichloroethene	ND		0.026	0.007	ND		0.25	0.07	ND		0.54	0.15
Trichlorofluoromethane	ND		0.2	0.036	ND		2	0.35	ND		4.3	0.75
Vinyl acetate	ND		0.51	0.11	ND		5.1	1.1	ND		11	2.3
Vinyl chloride	ND		0.051	0.017	ND		0.51	0.17	ND		1.1	0.36
Xylenes, Total	36		0.051	0.015	420		0.51	0.15	540		1.1	0.32
Total VOCs	184.344	-	-	-	1092.5	-	-	-	280	-	-	-
Volatile Organic Compounds - TIC (mg/kg)												
1-Propene, 2-methyl-	-		-	-	-		-	-	-		-	-
Butane, 2-Methyl-	-		-	-	-		-	-	-		-	-
Cyclohexane, methyl-	-		-	-	-		-	-	20	NJ	0	0
Cyclopentane, Methyl-	-		-	-	-		-	-	-		-	-
Cyclotrisiloxane, Hexamethyl-	-		-	-	-		-	-	-		-	-
Decane, 4-methyl-	-		-	-	-		-	-	-		-	-
Heptane	4.71	NJ	0	0	-	-	-	-	-		-	-
Heptane, 2-methyl-	7.98	NJ	0	0	-	-	-	-	-		-	-
Heptane, 3-methyl-	5.93	NJ	0	0	16.2	NJ	0	0	26.2	NJ	0	0
Hexane, 2,2,4-trimethyl-	-		-	-	-		-	-	-		-	-
Hexane, 2,5-dimethyl-	-		-	-	-		-	-	-		-	-
Hexane, 2-methyl-	2.98	NJ	0	0	18.7	NJ	0	0	17.5	NJ	0	0
Hexane, 3-methyl-	3.11	NJ	0	0	16.6	NJ	0	0	15.4	NJ	0	0
Indane	-		-	-	-		-	-	-		-	-
n-Hexane	-		-	-	-		-	-	-		-	-
No Tentatively Identified Compounds	-		-	-	-		-	-	-		-	-
Nonane (C9)	5.44	NJ	0	0	-	-	-	-	20.2	NJ	0	0
Nonane, 4-methyl-	4.84	NJ	0	0	-	-	-	-	-		-	-
Octane	5.79	NJ	0	0	14.5	NJ	0	0	23.8	NJ	0	0
Octane, 2,6-dimethyl-	2.23	NJ	0	0	-	-	-	-	-		-	-
Octane, 3-methyl-	3.85	NJ	0	0	-		-	-	-		-	-
Pentane	-		-	-	-		-	-	-		-	-
Pentane, 2,3,3-trimethyl-	-		-	-	-		-	-	-		-	-
Pentane, 2,3,4-trimethyl-	2.7	NJ	0	0	-		-	-	-		-	-
Pentane, 2,3-dimethyl-	-		-	-	-		-	-	-		-	-
Pentane, 2-methyl-	-		-	-	-		-	-	-		-	-
Pentane, 3-methyl-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-
Unknown	2.24	J	0	0	13.7	J	0	0	92.4	J	0	0
Unknown	-		-	-	13	J	0	0	-		-	-
Unknown	3.14	J	0	0	14	J	0	0	36.8	J	0	0
Unknown Alkane	-		-	-	-		-	-	-		-	-
Unknown Alkane	-		-	-	-		-	-	-		-	-
Unknown Alkane	-		-	-	-		-	-	-		-	-
Unknown Alkane	-		-	-	-		-	-	-		-	-
Unknown Alkane	5.96	J	0	0	-		-	-	19.8	J	0	0
Unknown Alkane	3.3	J	0	0	-		-	-	22.8	J	0	0
Unknown Alkane	-		-	-	-		-	-	-		-	-
Unknown Aromatic	-		-	-	15.3	J	0	0	30.5	J	0	0
Unknown Aromatic	-		-	-	-		-	-	-		-	-
Unknown Aromatic	-		-	-	14.7	J	0	0	15.2	J	0	0
Unknown Benzene	-		-	-	31.5	J	0	0	-		-	-
Unknown Benzene	-		-	-	36.1	J	0	0	-		-	-
Unknown Benzene	-		-	-	64.4	J	0	0	77	J	0	0
Unknown Benzene	-		-	-	22.2	J	0	0	-		-	-
Unknown Benzene	-		-	-	35.1	J	0	0	43	J	0	0
Unknown Benzene	-		-	-	58.7	J	0	0	50.3	J	0	0
Unknown Benzene	-		-	-	-		-	-	-		-	-
Unknown Cycloalkane	-		-	-	-		-	-	-		-	-
Unknown Cyclohexane	-		-	-	-		-	-	-		-	-
Total TIC Compounds	64.2	J	0	0	385	J	0	0	511	J	0	0
Perfluorinated Alkyl Acids (ug/kg)												
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		0.000529	0.000304	ND		0.000481	0.000276	ND		0.00056	0.000321
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		0.000529	0.00019	ND		0.000481	0.000173	ND		0.00056	0.000201

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RRSCO	RI-SB-01																		RI-SB-02											
Client Sample ID:			RI-SB-01 (2.5-3)				DUP20230915				RI-SB-01 (9-9.5)				RI-SB-01 (10-10.5)				RI-SB-01 (18.5-19)				RI-SB-02 (4.5-5)				RI-SB-02 (5.5-6)				RI-SB-02 (10-10.5)			
Lab Sample ID:			L2354249-08				L2354249-12				L2354249-09				L2354249-10				L2354249-11				L2354249-04				L2354249-05				L2354249-06			
Date Sampled:			9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):			2.5-3'								9-9.5'				10-10.5'				18.5-19'				4.5-5'				5.5-6'				10-10.5'			
Matrix:			SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)			ND		0.000493	0.000083	ND		0.00048	0.000081	ND		0.000506	0.000086	ND		0.000521	0.000088	ND		0.000533	0.00009	ND		0.000529	0.000089	ND		0.000481	0.000081	ND		0.00056	0.000095
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)			ND		0.000493	0.000199	ND		0.00048	0.000193	ND		0.000506	0.000204	ND		0.000521	0.00021	ND		0.000533	0.000215	ND		0.000529	0.000213	ND		0.000481	0.000194	ND		0.00056	0.000226
Perfluorobutanesulfonic Acid (PFBS)			ND		0.000246	0.000038	ND		0.00024	0.000037	ND		0.000253	0.00004	ND		0.00026	0.000041	ND		0.000266	0.000042	ND		0.000265	0.000041	ND		0.00024	0.000038	ND		0.00028	0.000044
Perfluorobutanoic Acid (PFBA)			ND		0.000493	0.000022	ND		0.00048	0.000022	ND		0.000506	0.000023	ND		0.000521	0.000024	ND		0.000533	0.000024	ND		0.000529	0.000024	ND		0.000481	0.000022	ND		0.00056	0.000025
Perfluorodecanesulfonic Acid (PFDS)			ND		0.000493	0.000151	ND		0.00048	0.000147	ND		0.000506	0.000155	ND		0.000521	0.000159	ND		0.000533	0.000163	ND		0.000529	0.000162	ND		0.000481	0.000147	ND		0.00056	0.000171
Perfluorodecanoic Acid (PFDA)			ND		0.000246	0.000066	ND		0.00024	0.000064	ND		0.000253	0.000068	ND		0.00026	0.00007	ND		0.000266	0.000071	ND		0.000265	0.000071	ND		0.00024	0.000064	ND		0.00028	0.000075
Perfluorododecanoic Acid (PFDoA)			ND		0.000493	0.000069	ND		0.00048	0.000067	ND		0.000506	0.000071	ND		0.000521	0.000073	ND		0.000533	0.000075	ND		0.000529	0.000074	ND		0.000481	0.000067	ND		0.00056	0.000078
Perfluoroheptanesulfonic Acid (PFHpS)			ND		0.000493	0.000134	ND		0.00048	0.000131	ND		0.000506	0.000138	ND		0.000521	0.000142	ND		0.000533	0.000146	ND		0.000529	0.000144	ND		0.000481	0.000131	ND		0.00056	0.000153
Perfluoroheptanoic Acid (PFHpA)			ND		0.000246	0.000044	ND		0.00024	0.000043	ND		0.000253	0.000046	ND		0.00026	0.000047	ND		0.000266	0.000048	ND		0.000265	0.000048	ND		0.00024	0.000043	ND		0.00028	0.000051
Perfluorohexanesulfonic Acid (PFHxS)			ND		0.000246	0.00006	ND		0.00024	0.000058	ND		0.000253	0.000061	ND		0.00026	0.000063	ND		0.000266	0.000065	ND		0.000265	0.000064	ND		0.00024	0.000058	ND		0.00028	0.000068
Perfluorohexanoic Acid (PFHxA)			ND		0.000493	0.000052	ND		0.00048	0.00005	ND		0.000506	0.000053	ND		0.000521	0.000055	ND		0.000533	0.000056	ND		0.000529	0.000056	ND		0.000481	0.000051	ND		0.00056	0.000059
Perfluorononanoic Acid (PFNA)			ND		0.000246	0.000074	ND		0.00024	0.000072	ND		0.000253	0.000076	ND		0.00026	0.000078	ND		0.000266	0.00008	ND		0.000265	0.000079	ND		0.00024	0.000072	ND		0.00028	0.000084
Perfluorooctanesulfonamide (FOSA)			ND		0.000493	0.000097	ND		0.00048	0.000094	ND		0.000506	0.000099	ND		0.000521	0.000102	ND		0.000533	0.000104	ND		0.000529	0.000104	ND		0.000481	0.000094	ND		0.00056	0.00011
Perfluorooctanesulfonic Acid (PFOS)	0.88	44	ND		0.000246	0.000128	ND		0.00024	0.000125	ND		0.000253	0.000132	ND		0.00026	0.000135	ND		0.000266	0.000138	ND		0.000265	0.000138	ND		0.00024	0.000125	ND		0.00028	0.000146
Perfluorooctanoic Acid (PFOA)	0.66	33	ND		0.000246	0.000041	ND		0.00024	0.00004	ND		0.000253	0.000042	ND		0.00026	0.000044	ND		0.000266	0.000045	ND		0.000265	0.000044	ND		0.00024	0.00004	ND		0.00028	0.000047
Perfluoropentanoic Acid (PFPeA)			ND		0.000493	0.000045	ND		0.00048	0.000044	ND		0.000506	0.000047	ND		0.000521	0.000048	ND		0.000533	0.000049	ND		0.000529	0.000049	ND		0.000481	0.000044	ND		0.00056	0.000052
Perfluorotetradecanoic Acid (PFTA)			ND		0.000493	0.000053	ND		0.00048	0.000052	ND		0.000506	0.000055	ND		0.000521	0.000056	ND		0.000533	0.000058	ND		0.000529	0.000057	ND		0.000481	0.000052	ND		0.00056	0.000061
Perfluorotridecanoic Acid (PFTrDA)			ND		0.000493	0.000202	ND		0.00048	0.000196	ND		0.000506	0.000207	ND		0.000521	0.000213	ND		0.000533	0.000218	ND		0.000529	0.000216	ND		0.000481	0.000197	ND		0.00056	0.000229
Perfluoroundecanoic Acid (PFUnA)			ND		0.000493	0.000046	ND		0.00048	0.000045	ND		0.000506	0.000047	ND		0.000521	0.000049	ND		0.000533	0.00005	ND		0.000529	0.00005	ND		0.000481	0.000045	ND		0.00056	0.000052
PFOA/PFOS, Total			ND		0.000246	0.000041	ND		0.00024	0.00004	ND		0.000253	0.000042	ND		0.00026	0.000044	ND		0.000266	0.000045	ND		0.000265	0.000044	ND		0.00024	0.00004	ND		0.00028	0.000047
Semi-Volatile Organic Compounds (mg/kg)																																		
1,2,4,5-Tetrachlorobenzene			ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.018	ND		0.18	0.019	ND		0.19	0.02
1,2,4-Trichlorobenzene			ND		0.18	0.021	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.02	ND		0.19	0.022
1,2-Dichlorobenzene	1.1	100	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.19	0.034
1,3-Dichlorobenzene	2.4	49	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.031	ND		0.19	0.033
1,4-Dichlorobenzene	1.8	13	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.19	0.033
1,4-Dioxane	0.1	13	ND		0.027	0.0083	ND		0.027	0.0083	ND		0.027	0.0082	ND		0.027	0.0083	ND		0.027	0.0082	ND		0.026	0.0081	ND		0.027	0.0083	ND		0.028	0.0088
2,4,5-Trichlorophenol			ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.036
2,4,6-Trichlorophenol			ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.036
2,4-Dichlorophenol			ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.028	ND		0.16	0.029	ND		0.17	0.031
2,4-Dimethylphenol			ND		0.18	0.06	ND		0.18	0.059	ND		0.18	0.059	ND		0.18	0.059	ND		0.18	0.059	0.079	J	0.18	0.058	0.1	J	0.18	0.059	ND		0.19	0.063
2,4-Dinitrophenol			ND		0.87	0.084	ND		0.86	0.084	ND		0.86	0.083	ND		0.86	0.084	ND		0.86	0.083	ND		0.85	0.082	ND		0.86	0.084	ND		0.91	0.089
2,4-Dinitrotoluene			ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.035	ND		0.18	0.036	ND		0.19	0.038
2,6-Dinitrotoluene			ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.031	ND		0.19	0.033
2-Chloronaphthalene			ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.19	0.019
2-Chlorophenol			ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.19	0.022
2-Methylnaphthalene			ND		0.22	0.022	ND		0.22	0.022	ND		0.21	0.022	ND		0.22	0.022	ND		0.21	0.022	0.26		0.21	0.021	2.4		0.22	0.022	6.2		0.23	0.023
2-Methylphenol	0.33	100	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	0.072	J	0.18	0.027	ND		0.18	0.028	ND		0.19	0.03
2-Nitroaniline			ND		0.18	0.035	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.19	0.037
2-Nitrophenol			ND		0.39	0.068	ND		0.39	0.068	ND		0.38	0.067	ND		0.39	0.068	ND		0.38	0.067	ND		0.38	0.066	ND		0.39	0.068	ND		0.41	0.072
3,3'-Dichlorobenzidine			ND		0.18	0.048	ND		0.18	0.048	ND		0.18	0.047	ND		0.18	0.048	ND		0.18	0.047	ND		0.18	0.047	ND		0.18	0.048	ND		0.19	0.051
3-Methylphenol/4-Methylphenol	0.33	100	ND		0.26	0.028	ND		0.26	0.028	ND		0.26	0.028	ND		0.26	0.028	ND		0.26	0.028	0.097	J	0.25	0.028	0.058	J	0.26	0.028	ND		0.27	0.03
3-Nitroaniline			ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.033	ND		0.18	0.034	ND		0.19	0.036
4,6-Dinitro-o-cresol			ND		0.47	0.087	ND		0.47	0.086	ND		0.46	0.086	ND		0.47	0.086	ND		0.46	0.086	ND		0.46	0.085	ND		0.47	0.086	ND		0.5	0.091
4-Bromophenyl phenyl ether			ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.19	0.029
4-Chloroaniline			ND		0.18	0.033	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.033	ND		0.19	0.035
4-Chlorophenyl phenyl ether			ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.19	0.02
4-Nitroaniline			ND		0.18	0.075	ND		0.18	0.074	ND		0.18	0.074	ND		0.18	0.074	ND		0.18	0.074	ND		0.18	0.073	ND		0.18	0.074	ND		0.19	0.079
4-Nitrophenol			ND		0.25	0.074	ND		0.25	0.073	ND		0.25	0.073	ND		0.25	0.073	ND		0.25	0.073	ND		0.25	0.072	ND		0.25	0.073	ND		0.27	0.078
Acenaphthene	20	100	ND		0.14	0.019	ND		0.14	0.019	ND		0.14	0.018	ND		0.14	0.019	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.019	0.029	J	0.15	0.02
Acenaphthylene	100	100	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.027	ND		0.14	0.028	0.1	J	0.15	0.029
Acetophenone			ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.19	0.024
Anthracene	100	100	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.034	ND		0.11	0.035	0.07	J	0.11	0.037
Benzo(a)anthracene	1	1	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	0.22		0.11	0.021
Benzo(a)pyrene	1	1	ND		0.14	0.044	ND		0.14	0.044	ND		0.14	0.044	ND		0.14	0.044	ND		0.14	0.044	ND		0.14	0.043	ND		0.14	0.044	0.24		0.15	0.046
Benzo(b)fluoranthene	1	1	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03	0.28		0.11	0.032
Benzo(ghi)perylene	100	100	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	0.15		0.15	0.022
Benzo(k)fluoranthene	0.8	3.9	ND		0.11	0.029	ND		0.11	0.029	ND		0.11	0.028	ND		0.11	0.029	ND		0.11	0.028	ND		0.11	0.028	ND		0.11	0.029	0.1	J	0.11	0.03
Benzoic Acid			ND		0.58	0.18	ND		0.58	0.18	ND		0.58	0.18	ND		0.58	0.18	ND		0.58	0.18	ND		0.57	0.18	ND		0.58	0.18	ND		0.62	0.19
Benzyl Alcohol			ND		0.18	0.055	ND		0.18	0.055	ND		0.18	0.055	ND		0.18	0.055	ND		0.18	0.054	ND		0.18	0.054	ND		0.18	0.055	ND		0.19	0.058
Biphenyl			ND		0.41	0.023	ND		0.41	0.023	ND		0.41	0.023	ND		0.41	0.023	ND		0.41	0.023	ND		0.4	0.023	0.034	J	0.41	0.023	0.071	J	0.43	0.025
Bis(2-chloroethoxy)methane			ND		0.19	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.2	0.019
Bis(2-chloroethyl)ether			ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.17	0.026
Bis(2-chloroisopropyl)ether			ND		0.22	0.031	ND		0.22	0.031	ND		0.21	0.03	ND		0.22	0.031	ND		0.21	0.03	ND		0.21	0.03	ND		0.22	0.031	ND		0.23	0.032
Bis(2-ethylhexyl)phthalate			ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.061	ND		0.18	0.062	ND		0.19	0.066
Butyl benzyl phthalate			ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.044	ND		0.18	0.045	ND		0.19	0.048
Carbazole			ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.19	0.018
Chrysene	1	3.9	ND		0.11	0.019	ND		0.11	0.019	ND		0.11	0.018	ND		0.11	0.019	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.019	0.21		0.11	0.02
Di-n-butylphthalate			ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.036

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RRSCO	RI-SB-01																RI-SB-02											
Client Sample ID:			RI-SB-01 (2.5-3)				DUP20230915				RI-SB-01 (9-9.5)				RI-SB-01 (10-10.5)				RI-SB-01 (18.5-19)				RI-SB-02 (4.5-5)				RI-SB-02 (5.5-6)				RI-SB-02 (10-10.5)			
Lab Sample ID:			L2354249-08				L2354249-12				L2354249-09				L2354249-10				L2354249-11				L2354249-04				L2354249-05				L2354249-06			
Date Sampled:			9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):			2.5-3'								9-9.5'				10-10.5'				18.5-19'				4.5-5'				5.5-6'				10-10.5'			
Matrix:			SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate			ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.06	ND		0.18	0.061	ND		0.19	0.065
Dibenzo(a,h)anthracene	0.33	0.33	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.021	0.03	J	0.11	0.022
Dibenzofuran	7	59	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	0.021	J	0.19	0.018
Diethyl phthalate			ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.016	ND		0.18	0.017	ND		0.18	0.016	ND		0.18	0.016	ND		0.18	0.017	ND		0.19	0.018
Dimethyl phthalate			ND		0.18	0.038	ND		0.18	0.038	ND		0.18	0.037	ND		0.18	0.038	ND		0.18	0.037	ND		0.18	0.037	ND		0.18	0.038	ND		0.19	0.04
Fluoranthene	100	100	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02	0.022	J	0.11	0.021	0.22		0.11	0.022
Fluorene	30	100	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	0.046	J	0.18	0.017	0.067	J	0.19	0.018
Hexachlorobenzene	0.33	1.2	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021
Hexachlorobutadiene			ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.19	0.028
Hexachlorocyclopentadiene			ND		0.52	0.16	ND		0.51	0.16	ND		0.51	0.16	ND		0.51	0.16	ND		0.51	0.16	ND		0.5	0.16	ND		0.51	0.16	ND		0.54	0.17
Hexachloroethane			ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.028	ND		0.14	0.029	ND		0.15	0.031
Indeno(1,2,3-cd)pyrene	0.5	0.5	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	0.15		0.15	0.026
Isophorone			ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023	ND		0.17	0.025
n-Nitrosodi-n-propylamine			ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.028	ND		0.19	0.029
Naphthalene	12	100	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	0.36		0.18	0.022	3.7		0.18	0.022	14		0.95	0.12
NDPA/DPA			ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.15	0.022
Nitrobenzene			ND		0.16	0.027	ND		0.16	0.027	ND		0.16	0.026	ND		0.16	0.027	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.027	ND		0.17	0.028
p-Chloro-m-cresol			ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.027	ND		0.19	0.028
Pentachlorophenol	0.8	6.7	ND		0.14	0.04	ND		0.14	0.04	ND		0.14	0.039	ND		0.14	0.04	ND		0.14	0.039	ND		0.14	0.039	ND		0.14	0.04	ND		0.15	0.042
Phenanthrene	100	100	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.021	0.06	J	0.11	0.022	0.088	J	0.11	0.023
Phenol	0.33	100	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.19	0.029
Pyrene	100	100	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	0.026	J	0.11	0.018	0.23		0.11	0.019
Total SVOCs			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.868	-	-	-	6.446	-	-	-	14	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																																		
Benzene, Propyl-			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.477	NJ	0	0	7.87	NJ	0	0	-		-	-
Indane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.353	NJ	0	0	3.75	NJ	0	0	4.74	NJ	0	0
No Tentatively Identified Compounds			ND		0	0	ND		0	0	ND		0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Toluene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.598	NJ	0	0	2.19	NJ	0	0	-		-	-
Unknown			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	4.95	J	0	0
Unknown			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.159	J	0	0	-		-	-	12.2	J	0	0
Unknown			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.204	J	0	0	1.89	J	0	0	10.1	J	0	0
Unknown			-		-	-	-		-	-	-		-	-	0.24	J	0	0	-		-	-	0.153	J	0	0	12	J	0	0	10.6	J	0	0
Unknown			-		-	-	-		-	-	-		-	-	0.234	J	0	0	-		-	-	1.1	J	0	0	6.37	J	0	0	8.86	J	0	0
Unknown			-	-	-	-	-		-	-	-	-	-	-	-		-	-	0.156	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.168	J	0	0	-		-	-	6.18	J	0	0
Unknown Alkane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.58	J	0	0	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.601	J	0	0	8.8	J	0	0	16.4	J	0	0
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.192	J	0	0	13.8	J	0	0	24.2	J	0	0
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.55	J	0	0	2.42	J	0	0	3.29	J	0	0
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.705	J	0	0	26.5	J	0	0	34.6	J	0	0
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.4	J	0	0	9.41	J	0	0	40.8	J	0	0
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.698	J	0	0	37.6	J	0	0	12.9	J	0	0
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.206	J	0	0	10.2	J	0	0	2.98	J	0	0
Unknown Benzene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.7	J	0	0	2.6	J	0	0
Unknown Indene			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid			-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds			-		-	-	-		-	-	-		-	-	0.474	J	0	0	0.156	J	0	0	9.56	J	0	0	148	J	0	0	195	J	0	0
Pesticides (mg/kg)																																		
4,4'-DDD	0.0033	13	ND		0.00167	0.000597	ND		0.00172	0.000615	ND		0.00167	0.000596	ND		0.00173	0.000616	ND		0.00169	0.000602	ND		0.00173	0.000617	ND		0.00171	0.000611	ND		0.00179	0.000639
4,4'-DDE	0.0033	8.9	ND		0.00167	0.000387	ND		0.00172	0.000399	ND		0.00167	0.000386	ND		0.00173	0.0004	ND		0.00169	0.000391	ND		0.00173	0.0004	ND		0.00171	0.000396	ND		0.00179	0.000414
4,4'-DDT	0.0033	7.9	ND		0.00167	0.00134	ND		0.00172	0.00139	ND		0.00167	0.00134	ND		0.00173	0.00139	ND		0.00169	0.00136	ND		0.00173	0.00139	ND		0.00171	0.00138	ND		0.00179	0.00144
Aldrin	0.005	0.097	ND		0.00167	0.000589	ND		0.00172	0.000607	ND		0.00167	0.000588	ND		0.00173	0.000608	ND		0.00169	0.000595	ND		0.00173	0.000609	ND		0.00171	0.000603	ND		0.00179	0.00063
Alpha-BHC	0.02	0.48	ND		0.000697	0.000198	ND		0.000718	0.000204	ND		0.000696	0.000198	ND		0.00072	0.000204	ND		0.000704	0.0002	ND		0.00072	0.000205	ND		0.000714	0.000203	ND		0.000746	0.000212
Beta-BHC	0.036	0.36	ND		0.00167	0.000634	ND		0.00172	0.000654	ND		0.00167	0.000634	ND		0.00173	0.000655	ND		0.00169	0.00064	ND		0.00173	0.000656	ND		0.00171	0.00065	ND		0.00179	0.000679
Chlordane			ND		0.0139	0.00554	ND		0.0144	0.00571	ND		0.0139	0.00554	ND		0.0144	0.00572	ND		0.0141	0.0056	ND		0.0144	0.00573	ND		0.0143	0.00568	ND		0.0149	0.00593
cis-Chlordane	0.094	4.2	ND		0.00209	0.000583	ND		0.00216	0.000601	ND		0.00209	0.000582	ND		0.00216	0.000602	ND		0.00211	0.000588	ND		0.00216	0.000602	ND		0.00214	0.000597	ND		0.00224	0.000624
Delta-BHC	0.04	100	ND		0.00167	0.000328	ND		0.00172	0.000338	ND		0.00167	0.000327	ND		0.00173	0.000338	ND		0.00169	0.000331	ND		0.00173	0.000339	ND		0.00171	0.000336	ND		0.00179	0.000351
Dieldrin	0.005	0.2	ND		0.00104	0.000523	ND		0.00108	0.000539	ND		0.00104	0.000522	ND		0.00108	0.00054	ND		0.00106	0.000528	ND		0.00108	0.00054	ND		0.00107	0.000535	ND		0.00112	0.00056
Endosulfan I	2.4	24	ND		0.00167	0.000395	ND		0.00172	0.000407	ND		0.00167	0.000395	ND		0.00173	0.000408	ND		0.00169	0.000399	ND		0.00173	0.000408	ND		0.00171	0.000405	ND		0.00179	0.000423
Endosulfan II	2.4	24	ND		0.00167	0.000559	ND		0.00172	0.000576	ND		0.00167	0.000559	ND		0.00173	0.000577	ND		0.00169	0.000564	ND		0.00173	0.000578	ND		0.00171	0.000572	ND		0.00179	0.000598
Endosulfan sulfate	2.4	24	ND		0.000697	0.000332	ND		0.000718	0.000342	ND		0.000696	0.000332	ND		0.00072	0.000343	ND		0.000704	0.000335	ND		0.00072	0.000343	ND		0.000714	0.00034	ND		0.000746	0.000355
Endrin	0.014	11	ND		0.000697	0.000286	ND		0.000718	0.000295	ND		0.000696	0.000286	ND		0.00072	0.000295	ND		0.000704	0.000288	ND		0.00072	0.000295	ND		0.000714	0.000293	ND		0.000746	0.000306

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:			RI-SB-01																RI-SB-02									
Client Sample ID:			RI-SB-01 (2.5-3)				DUP20230915				RI-SB-01 (9-9.5)				RI-SB-01 (10-10.5)				RI-SB-01 (18.5-19)				RI-SB-02 (4.5-5)				RI-SB-02 (5.5-6)				RI-SB-02 (10-10.5)			
Lab Sample ID:			L2354249-08				L2354249-12				L2354249-09				L2354249-10				L2354249-11				L2354249-04				L2354249-05				L2354249-06			
Date Sampled:	USCO	RRSCO	9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):			2.5-3'								9-9.5'				10-10.5'				18.5-19'				4.5-5'				5.5-6'				10-10.5'			
Matrix:			SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Endrin aldehyde			ND		0.00209	0.000732	ND		0.00216	0.000754	ND		0.00209	0.000731	ND		0.00216	0.000756	ND		0.00211	0.000739	ND		0.00216	0.000756	ND		0.00214	0.00075	ND		0.00224	0.000784
Endrin ketone			ND		0.00167	0.000431	ND		0.00172	0.000444	ND		0.00167	0.00043	ND		0.00173	0.000445	ND		0.00169	0.000435	ND		0.00173	0.000445	ND		0.00171	0.000441	ND		0.00179	0.000461
Heptachlor	0.042	2.1	ND		0.000836	0.000375	ND		0.000862	0.000386	ND		0.000836	0.000375	ND		0.000864	0.000387	ND		0.000844	0.000379	ND		0.000864	0.000388	ND		0.000857	0.000384	ND		0.000896	0.000401
Heptachlor epoxide			ND		0.00314	0.000941	ND		0.00323	0.00097	ND		0.00313	0.00094	ND		0.00324	0.000972	ND		0.00317	0.00095	ND		0.00324	0.000972	ND		0.00321	0.000964	ND		0.00336	0.00101
Lindane	0.1	1.3	ND		0.000697	0.000312	ND		0.000718	0.000321	ND		0.000696	0.000311	ND		0.00072	0.000322	ND		0.000704	0.000315	ND		0.00072	0.000322	ND		0.000714	0.000319	ND		0.000746	0.000334
Methoxychlor			ND		0.00314	0.000976	ND		0.00323	0.001	ND		0.00313	0.000975	ND		0.00324	0.00101	ND		0.00317	0.000985	ND		0.00324	0.00101	ND		0.00321	0.000999	ND		0.00336	0.00104
Toxaphene			ND		0.0314	0.00878	ND		0.0323	0.00905	ND		0.0313	0.00878	ND		0.0324	0.00907	ND		0.0317	0.00887	ND		0.0324	0.00908	ND		0.0321	0.00899	ND		0.0336	0.0094
trans-Chlordane			ND		0.00209	0.000552	ND		0.00216	0.000569	ND		0.00209	0.000552	ND		0.00216	0.00057	ND		0.00211	0.000557	ND		0.00216	0.00057	ND		0.00214	0.000565	ND		0.00224	0.000591
Polychlorinated Biphenyls (mg/kg)																																		
Aroclor 1016	0.1	1	ND		0.0512	0.00455	ND		0.0502	0.00446	ND		0.0537	0.00476	ND		0.0512	0.00455	ND		0.0516	0.00458	ND		0.0522	0.00463	ND		0.0516	0.00458	ND		0.0568	0.00504
Aroclor 1221	0.1	1	ND		0.0512	0.00514	ND		0.0502	0.00503	ND		0.0537	0.00538	ND		0.0512	0.00513	ND		0.0516	0.00517	ND		0.0522	0.00523	ND		0.0516	0.00517	ND		0.0568	0.00569
Aroclor 1232	0.1	1	ND		0.0512	0.0109	ND		0.0502	0.0106	ND		0.0537	0.0114	ND		0.0512	0.0108	ND		0.0516	0.0109	ND		0.0522	0.0111	ND		0.0516	0.0109	ND		0.0568	0.012
Aroclor 1242	0.1	1	ND		0.0512	0.00691	ND		0.0502	0.00677	ND		0.0537	0.00723	ND		0.0512	0.0069	ND		0.0516	0.00696	ND		0.0522	0.00704	ND		0.0516	0.00695	ND		0.0568	0.00766
Aroclor 1248	0.1	1	ND		0.0512	0.00769	ND		0.0502	0.00754	ND		0.0537	0.00805	ND		0.0512	0.00768	ND		0.0516	0.00774	ND		0.0522	0.00783	ND		0.0516	0.00773	ND		0.0568	0.00852
Aroclor 1254	0.1	1	ND		0.0512	0.00561	ND		0.0502	0.0055	ND		0.0537	0.00587	ND		0.0512	0.0056	ND		0.0516	0.00564	ND		0.0522	0.00571	ND		0.0516	0.00564	ND		0.0568	0.00621
Aroclor 1260	0.1	1	ND		0.0512	0.00947	ND		0.0502	0.00928	ND		0.0537	0.00992	ND		0.0512	0.00946	ND		0.0516	0.00954	ND		0.0522	0.00964	ND		0.0516	0.00953	ND		0.0568	0.0105
Aroclor 1262	0.1	1	ND		0.0512	0.00651	ND		0.0502	0.00638	ND		0.0537	0.00682	ND		0.0512	0.0065	ND		0.0516	0.00655	ND		0.0522	0.00663	ND		0.0516	0.00655	ND		0.0568	0.00721
Aroclor 1268	0.1	1	ND		0.0512	0.00531	ND		0.0502	0.0052	ND		0.0537	0.00556	ND		0.0512	0.0053	ND		0.0516	0.00534	ND		0.0522	0.00541	ND		0.0516	0.00534	ND		0.0568	0.00588
PCBs, Total	0.1	1	ND		0.0512	0.00455	ND		0.0502	0.00446	ND		0.0537	0.00476	ND		0.0512	0.00455	ND		0.0516	0.00458	ND		0.0522	0.00463	ND		0.0516	0.00458	ND		0.0568	0.00504
Total Metals (mg/kg)																																		
Aluminum, Total			11300		8.58	2.32	11000		8.35	2.25	10200		8.3	2.24	9950		8.42	2.27	9470		8.44	2.28	12200		8.5	2.3	5280		8.5	2.3	5410		9.07	2.45
Antimony, Total			ND		4.29	0.326	ND		4.17	0.317	ND		4.15	0.315	ND		4.21	0.32	ND		4.22	0.321	ND		4.25	0.323	ND		4.25	0.323	ND		4.53	0.344
Arsenic, Total	13	16	1.31		0.858	0.178	1.11		0.835	0.174	0.903		0.83	0.173	0.785	J	0.842	0.175	0.882		0.844	0.176	2.1		0.85	0.177	0.952		0.85	0.177	1.14		0.907	0.189
Barium, Total	350	400	141		0.858	0.149	140		0.835	0.145	134		0.83	0.144	131		0.842	0.146	128		0.844	0.147	153		0.85	0.148	59.8		0.85	0.148	59.9		0.907	0.158
Beryllium, Total	7.2	72	0.539		0.429	0.028	0.514		0.417	0.028	0.474		0.415	0.027	0.451		0.421	0.028	0.446		0.422	0.028	0.533		0.425	0.028	0.317	J	0.425	0.028	0.274	J	0.453	0.03
Cadmium, Total	2.5	4.3	ND		0.858	0.084	ND		0.835	0.082	ND		0.83	0.081	ND		0.842	0.083	ND		0.844	0.083	ND		0.85	0.083	ND		0.85	0.083	ND		0.907	0.089
Calcium, Total			9550		8.58	3	9920		8.35	2.92	10500		8.3	2.9	16200		8.42	2.95	7180		8.44	2.95	3010		8.5	2.98	3390		8.5	2.98	8380		9.07	3.17
Chromium, Total			21		0.858	0.082	20.1		0.835	0.08	18.4		0.83	0.08	17.7		0.842	0.081	17		0.844	0.081	21.3		0.85	0.082	10.8		0.85	0.082	22.5		0.907	0.087
Cobalt, Total			8.95		1.72	0.142	8.45		1.67	0.138	8.7		1.66	0.138	7.72		1.68	0.14	7.89		1.69	0.14	10.2		1.7	0.141	5.1		1.7	0.141	5.06		1.81	0.15
Copper, Total	50	270	14.1		0.858	0.221	13.4		0.835	0.215	13.2		0.83	0.214	13.1		0.842	0.217	12.7		0.844	0.218	15.3		0.85	0.219	9.12		0.85	0.219	10.1		0.907	0.234
Iron, Total			19500		4.29	0.775	19000		4.17	0.754	17900		4.15	0.75	17400		4.21	0.761	16600		4.22	0.762	20200		4.25	0.768	11500		4.25	0.768	11400		4.53	0.819
Lead, Total	63	400	4.35		4.29	0.23	3.48	J	4.17	0.224	4.5		4.15	0.222	3.57	J	4.21	0.226	3.21	J	4.22	0.226	4.84		4.25	0.228	15.3		4.25	0.228	9.98		4.53	0.243
Magnesium, Total			7490		8.58	1.32	7160		8.35	1.28	6700		8.3	1.28	6830		8.42	1.3	6390		8.44	1.3	5310		8.5	1.31	3130		8.5	1.31	4530		9.07	1.4
Manganese, Total	1600	2000	223		0.858	0.136	219		0.835	0.133	202		0.83	0.132	219		0.842	0.134	216		0.844	0.134	387		0.85	0.135	177		0.85	0.135	287		0.907	0.144
Mercury, Total	0.18	0.81	ND		0.072	0.047	ND		0.075	0.049	ND		0.078	0.051	ND		0.082	0.053	ND		0.075	0.049	ND		0.085	0.056	ND		0.076	0.05	ND		0.082	0.054
Nickel, Total	30	310	15.3		2.14	0.208	14		2.09	0.202	14.1		2.08	0.201	13		2.1	0.204	12.2		2.11	0.204	16		2.13	0.206	8.02		2.12	0.206	9.16		2.27	0.219
Potassium, Total			5980		214	12.4	5870		209	12	5460		208	12	5280		210	12.1	5000		211	12.2	6490		213	12.2	2490		212	12.2	2640		227	13
Selenium, Total	3.9	180	ND		1.72	0.221	ND		1.67	0.215	ND		1.66	0.214	ND		1.68	0.217	ND		1.69	0.218	ND		1.7	0.219	ND		1.7	0.219	ND		1.81	0.234
Silver, Total	2	180	ND		0.429	0.243	ND		0.417	0.236	ND		0.415	0.235	ND		0.421	0.238	ND		0.422	0.239	ND		0.425	0.241	ND		0.425	0.241	ND		0.453	0.257
Sodium, Total			112	J	172	2.7	114	J	167	2.63	120	J	166	2.62	161	J	168	2.65	197		169	2.66	333		170	2.68	168	J	170	2.68	191		181	2.86
Thallium, Total			0.282	J	1.72	0.27	0.283	J	1.67	0.263	ND		1.66	0.262	ND		1.68	0.265	0.274	J	1.69	0.266	ND		1.7	0.268	ND		1.7	0.268	ND		1.81	0.286
Vanadium, Total			26.6		0.858	0.174	26.6		0.835	0.169	26.1		0.83	0.168	25.2		0.842	0.171	25.5		0.844	0.171	31.4		0.85	0.173	17		0.85	0.172	16.2		0.907	0.184
Zinc, Total	109	10000	48.4		4.29	0.251	45.6		4.17	0.244	41.8		4.15	0.243	40.9		4.21	0.247	40.3		4.22	0.247	49.1		4.25	0.249	24.5		4.25	0.249	24.9		4.53	0.266
General Chemistry																																		
Cyanide, Total	27		ND		1	0.22	ND		1	0.22	ND		1	0.21	ND		1	0.22	ND		1	0.22	ND		1	0.22	ND		1	0.22	ND		1.1	0.23
Solids, Total (%)			91.6		0.1	NA	91.8		0.1	NA	92.8		0.1	NA	92.1		0.1	NA	92.2		0.1	NA	91.5		0.1	NA	90.2		0.1	NA	86.9		0.1	NA

Notes:
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)
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
Concentration exceeds USCO
Concentration exceeds RRSCO
Reporting Limit exceeds USCO but reported Conc does not

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-03												RI-SB-04									
Client Sample ID:		RI-SB-02 (10.5-11)				RI-SB-03 (1.5-2)				RI-SB-03 (5.5-6)				RI-SB-03 (11.5-12)				RI-SB-04 (0.5-1)				RI-SB-04 (7.5-8)			
Lab Sample ID:		L2354249-07				L2354249-01				L2354249-02				L2354249-03				L2353845-09				L2353845-10			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		10.5-11'				1.5-2'				5.5-6'				11.5-12'				0.5-1'				7.5-8'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)																									
1,1,1,2-Tetrachloroethane		ND		0.00047	0.00012	ND		0.00049	0.00013	ND		0.00046	0.00012	ND		0.00046	0.00012	ND		0.00051	0.00013	ND		0.0005	0.00013
1,1,1-Trichloroethane	0.68	ND		0.00047	0.00016	ND		0.00049	0.00016	ND		0.00046	0.00016	ND		0.00046	0.00016	ND		0.00051	0.00017	ND		0.0005	0.00017
1,1,2,2-Tetrachloroethane		ND		0.00047	0.00015	ND		0.00049	0.00016	ND		0.00046	0.00015	ND		0.00046	0.00015	ND		0.00051	0.00017	ND		0.0005	0.00017
1,1,2-Trichloroethane		ND		0.00093	0.00025	ND		0.00097	0.00026	ND		0.00093	0.00025	ND		0.00093	0.00025	ND		0.001	0.00027	ND		0.001	0.00027
1,1-Dichloroethane	0.27	ND		0.00093	0.00014	ND		0.00097	0.00014	ND		0.00093	0.00013	ND		0.00093	0.00014	ND		0.001	0.00015	ND		0.001	0.00015
1,1-Dichloroethene	0.33	ND		0.00093	0.00022	ND		0.00097	0.00023	ND		0.00093	0.00022	ND		0.00093	0.00022	ND		0.001	0.00024	ND		0.001	0.00024
1,1-Dichloropropene		ND		0.00047	0.00015	ND		0.00049	0.00015	ND		0.00046	0.00015	ND		0.00046	0.00015	ND		0.00051	0.00016	ND		0.0005	0.00016
1,2,3-Trichlorobenzene		ND		0.0019	0.0003	ND		0.0019	0.00031	ND		0.0018	0.0003	ND		0.0019	0.0003	ND		0.002	0.00033	ND		0.002	0.00032
1,2,3-Trichloropropane		ND		0.0019	0.00012	ND		0.0019	0.00012	ND		0.0018	0.00012	ND		0.0019	0.00012	ND		0.002	0.00013	ND		0.002	0.00013
1,2,4,5-Tetramethylbenzene		0.0022		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0018	0.00018	ND		0.0019	0.00018	ND		0.002	0.00019	ND		0.002	0.00019
1,2,4-Trichlorobenzene		ND		0.0019	0.00025	ND		0.0019	0.00026	ND		0.0018	0.00025	ND		0.0019	0.00025	ND		0.002	0.00028	ND		0.002	0.00027
1,2,4-Trimethylbenzene	3.6	0.0093		0.0019	0.00031	ND		0.0019	0.00032	ND		0.0018	0.00031	ND		0.0019	0.00031	ND		0.002	0.00034	ND		0.002	0.00034
1,2-Dibromo-3-chloropropane		ND		0.0028	0.00093	ND		0.0029	0.00097	ND		0.0028	0.00093	ND		0.0028	0.00093	ND		0.003	0.001	ND		0.003	0.001
1,2-Dibromoethane		ND		0.00093	0.00026	ND		0.00097	0.00027	ND		0.00093	0.00026	ND		0.00093	0.00026	ND		0.001	0.00028	ND		0.001	0.00028
1,2-Dichlorobenzene	1.1	ND		0.0019	0.00013	ND		0.0019	0.00014	ND		0.0018	0.00013	ND		0.0019	0.00013	ND		0.002	0.00015	ND		0.002	0.00014
1,2-Dichloroethane	0.02	ND		0.00093	0.00024	ND		0.00097	0.00025	ND		0.00093	0.00024	ND		0.00093	0.00024	ND		0.001	0.00026	ND		0.001	0.00026
1,2-Dichloroethene, Total		ND		0.00093	0.00013	ND		0.00097	0.00013	ND		0.00093	0.00013	ND		0.00093	0.00013	ND		0.001	0.00014	ND		0.001	0.00014
1,2-Dichloropropane		ND		0.00093	0.00012	ND		0.00097	0.00012	ND		0.00093	0.00012	ND		0.00093	0.00012	ND		0.001	0.00013	ND		0.001	0.00013
1,3,5-Trimethylbenzene	8.4	0.0027		0.0019	0.00018	ND		0.0019	0.00019	ND		0.0018	0.00018	ND		0.0019	0.00018	ND		0.002	0.0002	ND		0.002	0.00019
1,3-Dichlorobenzene	2.4	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0018	0.00014	ND		0.0019	0.00014	ND		0.002	0.00015	ND		0.002	0.00015
1,3-Dichloropropane		ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0018	0.00016	ND		0.0019	0.00016	ND		0.002	0.00017	ND		0.002	0.00017
1,3-Dichloropropene, Total		ND		0.00047	0.00015	ND		0.00049	0.00015	ND		0.00046	0.00015	ND		0.00046	0.00015	ND		0.00051	0.00016	ND		0.0005	0.00016
1,4-Dichlorobenzene	1.8	ND		0.0019	0.00016	ND		0.0019	0.00017	ND		0.0018	0.00016	ND		0.0019	0.00016	ND		0.002	0.00017	ND		0.002	0.00017
1,4-Dioxane	0.1	ND		0.075	0.033	ND		0.078	0.034	ND		0.074	0.032	ND		0.074	0.033	ND		0.081	0.036	ND		0.081	0.035
2,2-Dichloropropane		ND		0.0019	0.00019	ND		0.0019	0.0002	ND		0.0018	0.00019	ND		0.0019	0.00019	ND		0.002	0.0002	ND		0.002	0.0002
2-Butanone	0.12	0.01		0.0093	0.0021	ND		0.0097	0.0022	0.0028	J	0.0093	0.0021	ND		0.0093	0.0021	ND		0.01	0.0022	0.0025	J	0.01	0.0022
2-Hexanone		ND		0.0093	0.0011	ND		0.0097	0.0011	ND		0.0093	0.0011	ND		0.0093	0.0011	ND		0.01	0.0012	ND		0.01	0.0012
4-Methyl-2-pentanone		ND		0.0093	0.0012	ND		0.0097	0.0012	ND		0.0093	0.0012	ND		0.0093	0.0012	ND		0.01	0.0013	ND		0.01	0.0013
Acetone	0.05	0.047		0.0093	0.0045	0.0047	J	0.0097	0.0047	ND		0.0093	0.0045	0.0069	J	0.0093	0.0045	ND		0.01	0.0049	0.0093	J	0.01	0.0048
Acrylonitrile		ND		0.0037	0.0011	ND		0.0039	0.0011	ND		0.0037	0.0011	ND		0.0037	0.0011	ND		0.0041	0.0012	ND		0.004	0.0012
Benzene	0.06	0.00066		0.00047	0.00015	ND		0.00049	0.00016	ND		0.00046	0.00015	ND		0.00046	0.00015	ND		0.00051	0.00017	ND		0.0005	0.00017
Bromobenzene		ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0018	0.00013	ND		0.0019	0.00014	ND		0.002	0.00015	ND		0.002	0.00015
Bromochloromethane		ND		0.0019	0.00019	ND		0.0019	0.0002	ND		0.0018	0.00019	ND		0.0019	0.00019	ND		0.002	0.00021	ND		0.002	0.00021
Bromodichloromethane		ND		0.00047	0.0001	ND		0.00049	0.00011	ND		0.00046	0.0001	ND		0.00046	0.0001	ND		0.00051	0.00011	ND		0.0005	0.00011
Bromoform		ND		0.0037	0.00023	ND		0.0039	0.00024	ND		0.0037	0.00023	ND		0.0037	0.00023	ND		0.0041	0.00025	ND		0.004	0.00025
Bromomethane		ND		0.0019	0.00054	ND		0.0019	0.00056	ND		0.0018	0.00054	ND		0.0019	0.00054	ND		0.002	0.00059	ND		0.002	0.00058
Carbon disulfide		ND		0.0093	0.0042	ND		0.0097	0.0044	ND		0.0093	0.0042	ND		0.0093	0.0042	ND		0.01	0.0046	ND		0.01	0.0046
Carbon tetrachloride	0.76	ND		0.00093	0.00021	ND		0.00097	0.00022	ND		0.00093	0.00021	ND		0.00093	0.00021	ND		0.001	0.00023	ND		0.001	0.00023
Chlorobenzene	1.1	ND		0.00047	0.00012	ND		0.00049	0.00012	ND		0.00046	0.00012	ND		0.00046	0.00012	ND		0.00051	0.00013	ND		0.0005	0.00013
Chloroethane		ND		0.0019	0.00042	ND		0.0019	0.00044	ND		0.0018	0.00042	ND		0.0019	0.00042	ND		0.002	0.00046	ND		0.002	0.00046
Chloroform	0.37	ND		0.0014	0.00013	ND		0.0014	0.00014	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0015	0.00014	ND		0.0015	0.00014
Chloromethane		ND		0.0037	0.00087	ND		0.0039	0.00091	ND		0.0037	0.00086	ND		0.0037	0.00087	ND		0.0041	0.00095	ND		0.004	0.00094
cis-1,2-Dichloroethene	0.25	ND		0.00093	0.00016	ND		0.00097	0.00017	ND		0.00093	0.00016	ND		0.00093	0.00016	ND		0.001	0.00018	ND		0.001	0.00018
cis-1,3-Dichloropropene		ND		0.00047	0.00015	ND		0.00049	0.00015	ND		0.00046	0.00015	ND		0.00046	0.00015	ND		0.00051	0.00016	ND		0.0005	0.00016
Dibromochloromethane		ND		0.00093	0.00013	ND		0.00097	0.00014	ND		0.00093	0.00013	ND		0.00093	0.00013	ND		0.001	0.00014	ND		0.001	0.00014
Dibromomethane		ND		0.0019	0.00022	ND		0.0019	0.00023	ND		0.0018	0.00022	ND		0.0019	0.00022	ND		0.002	0.00024	ND		0.002	0.00024
Dichlorodifluoromethane		ND		0.0093	0.00085	ND		0.0097	0.00089	ND		0.0093	0.00085	ND		0.0093	0.00085	ND		0.01	0.00093	ND		0.01	0.00092
Ethyl ether		ND		0.0019	0.00032	ND		0.0019	0.00033	ND		0.0018	0.00032	ND		0.0019	0.00032	ND		0.002	0.00035	ND		0.002	0.00034
Ethylbenzene	1	0.0026		0.00093	0.00013	ND		0.00097	0.00014	ND		0.00093	0.00013	ND		0.00093	0.00013	ND		0.001	0.00014	ND		0.001	0.00014
Hexachlorobutadiene		ND		0.0037	0.00016	ND		0.0039	0.00016	ND		0.0037	0.00016	ND		0.0037	0.00016	ND		0.0041	0.00017	ND		0.004	0.00017
Isopropylbenzene		0.00082	J	0.00093	0.0001	ND		0.00097	0.00011	ND		0.00093	0.0001	ND		0.00093	0.0001	ND		0.001	0.00011	ND		0.001	0.00011
Methyl tert butyl ether	0.93	ND		0.0019	0.00019	ND		0.0019	0.0002	ND		0.0018	0.00019	0.00023	J	0.0019	0.00019	ND		0.002	0.0002	ND		0.002	0.0002
Methylene chloride	0.05	ND		0.0047	0.0021	ND		0.0049	0.0022	ND		0.0046	0.0021	ND		0.0046	0.0021	ND		0.0051	0.0023	ND		0.005	0.0023
n-Butylbenzene	12	0.0011		0.00093	0.00016	ND		0.00097	0.00016	ND		0.00093	0.00016	ND		0.00093	0.00016	ND		0.001	0.00017	ND		0.001	0.00017
n-Propylbenzene	3.9	0.0034		0.00093	0.00016	ND		0.00097	0.00017	ND		0.00093	0.00016	ND		0.00093	0.00016	ND		0.001	0.00017	ND		0.001	0.00017
Naphthalene	12	0.0036	J	0.0037	0.00061	ND		0.0039	0.00063	ND		0.0037	0.0006	ND		0.0037	0.0006	ND		0.0041	0.00066	ND		0.004	0.00066
o-Chlorotoluene		ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0018	0.00018	ND		0.0019	0.00018	ND		0.002	0.00019	ND		0.002	0.00019
o-Xylene		0.0024		0.00093	0.00027	ND		0.00097	0.00028	ND		0.00093	0.00027	ND		0.00093	0.00027	ND		0.001	0.0003	ND		0.001	0.00029
p-Chlorotoluene		ND		0.0019	0.0001	ND		0.0019	0.0001	ND		0.0018	0.0001	ND		0.0019	0.0001	ND		0.002	0.00011	ND		0.002	0.00011
p-Diethylbenzene		0.0036		0.0019	0.00016	ND		0.0019	0.00017	ND		0.0018	0.00016	ND		0.0019	0.00016	ND		0.002	0.00018	ND		0.002	0.00018
p-Ethyltoluene		0.0064		0.0019	0.00036	ND		0.0019	0.00037	ND		0.0018	0.00036	ND		0.0019	0.00036	ND		0.002	0.00039	ND		0.002	0.00039
p-Isopropyltoluene		0.00015	J	0.00093	0.0001	ND		0.00097	0.00011	ND		0.00093	0.0001	ND		0.00093	0.0001	ND		0.001	0.00011	ND		0.001	0.00011
p/m-Xylene		0.0055		0.0019	0.00052	ND		0.0019	0.00054	ND		0.0018	0.00052	ND		0.0019	0.00052	ND		0.002	0.00057	ND		0.002	0.00056
sec-Butylbenzene	11	0.0004	J	0.00093	0.00014	ND		0.00097	0.00014	ND		0.00093	0.00014	ND		0.00093	0.00014	ND		0.001	0.00015	ND		0.001	0.00015
Styrene		ND		0.00093	0.00018	ND		0.00097	0.00019	ND		0.00093	0.00018	ND		0.00093	0.00018	ND		0.001	0.0002	ND		0.001	0.0002
tert-Butylbenzene	5.9	ND		0.0019	0.00011	ND		0.0019	0.00011	ND		0.0018	0.00011	ND		0.0019	0.00011	ND		0.002	0.00012	ND		0.002	0.00012
Tetrachloroethene	1.3	ND		0.00047	0.00018	ND		0.00049	0.00019	ND		0.00046	0.00018	ND		0.00046	0.00018	ND		0.00051	0.0002	ND		0.0005	0.0002

Boring ID:		RI-SB-04								RI-SB-05			
Client Sample ID:		RI-SB-04 (12.5-13)								RI-SB-05 (1-1.5)			
Lab Sample ID:		L2353845-11								L2353845-06			
Date Sampled:	USCO	9/14/2023								9/14/2023			
Sample Depth (ft bgs):		12.5-13'								1-1.5'			
Matrix:		SOIL								SOIL			
		Conc	Q	RL	MDL					Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)													
1,1,1,2-Tetrachloroethane		ND		0.00048	0.00013					ND		0.026	0.0069
1,1,1-Trichloroethane	0.68	ND		0.00048	0.00016					ND		0.026	0.0088
1,1,2,2-Tetrachloroethane		ND		0.00048	0.00016					ND		0.026	0.0087
1,1,2-Trichloroethane		ND		0.00096	0.00026					ND		0.052	0.014
1,1-Dichloroethane	0.27	ND		0.00096	0.00014					ND		0.052	0.0076
1,1-Dichloroethene	0.33	ND		0.00096	0.00023					ND		0.052	0.012
1,1-Dichloropropene		ND		0.00048	0.00015					ND		0.026	0.0083
1,2,3-Trichlorobenzene		ND		0.0019	0.00031					ND		0.1	0.017
1,2,3-Trichloropropane		ND		0.0019	0.00012					ND		0.1	0.0067
1,2,4,5-Tetramethylbenzene		ND		0.0019	0.00018					4		0.1	0.01
1,2,4-Trichlorobenzene		ND		0.0019	0.00026					ND		0.1	0.014
1,2,4-Trimethylbenzene	3.6	ND		0.0019	0.00032					13		0.1	0.018
1,2-Dibromo-3-chloropropane		ND		0.0029	0.00096					ND		0.16	0.052
1,2-Dibromoethane		ND		0.00096	0.00027					ND		0.052	0.015
1,2-Dichlorobenzene	1.1	ND		0.0019	0.00014					ND		0.1	0.0076
1,2-Dichloroethane	0.02	ND		0.00096	0.00024					ND		0.052	0.013
1,2-Dichloroethene, Total		ND		0.00096	0.00013					ND		0.052	0.0072
1,2-Dichloropropane		ND		0.00096	0.00012					ND		0.052	0.0066
1,3,5-Trimethylbenzene	8.4	ND		0.0019	0.00018					4.2		0.1	0.01
1,3-Dichlorobenzene	2.4	ND		0.0019	0.00014					ND		0.1	0.0078
1,3-Dichloropropane		ND		0.0019	0.00016					ND		0.1	0.0088
1,3-Dichloropropene, Total		ND		0.00048	0.00015					ND		0.026	0.0083
1,4-Dichlorobenzene	1.8	ND		0.0019	0.00016					ND		0.1	0.009
1,4-Dioxane	0.1	ND		0.076	0.034					ND		4.2	1.8
2,2-Dichloropropane		ND		0.0019	0.00019					ND		0.1	0.011
2-Butanone	0.12	ND		0.0096	0.0021					ND		0.52	0.12
2-Hexanone		ND		0.0096	0.0011					ND		0.52	0.062
4-Methyl-2-pentanone		ND		0.0096	0.0012					ND		0.52	0.067
Acetone	0.05	0.0067	J	0.0096	0.0046					0.34	J	0.52	0.25
Acrylonitrile		ND		0.0038	0.0011					ND		0.21	0.06
Benzene	0.06	ND		0.00048	0.00016					0.061		0.026	0.0087
Bromobenzene		ND		0.0019	0.00014					ND		0.1	0.0076
Bromochloromethane		ND		0.0019	0.0002					ND		0.1	0.011
Bromodichloromethane		ND		0.00048	0.0001					ND		0.026	0.0057
Bromoform		ND		0.0038	0.00024					ND		0.21	0.013
Bromomethane		ND		0.0019	0.00056					ND		0.1	0.03
Carbon disulfide		ND		0.0096	0.0044					ND		0.52	0.24
Carbon tetrachloride	0.76	ND		0.00096	0.00022					ND		0.052	0.012
Chlorobenzene	1.1	ND		0.00048	0.00012					ND		0.026	0.0067
Chloroethane		ND		0.0019	0.00043					ND		0.1	0.024
Chloroform	0.37	ND		0.0014	0.00013					ND		0.079	0.0073
Chloromethane		ND		0.0038	0.00089					ND		0.21	0.049
cis-1,2-Dichloroethene	0.25	ND		0.00096	0.00017					ND		0.052	0.0092
cis-1,3-Dichloropropene		ND		0.00048	0.00015					ND		0.026	0.0083
Dibromochloromethane		ND		0.00096	0.00013					ND		0.052	0.0073
Dibromomethane		ND		0.0019	0.00023					ND		0.1	0.012
Dichlorodifluoromethane		ND		0.0096	0.00088					ND		0.52	0.048
Ethyl ether		ND		0.0019	0.00033					ND		0.1	0.018
Ethylbenzene	1	ND		0.00096	0.00013					0.25		0.052	0.0074
Hexachlorobutadiene		ND		0.0038	0.00016					ND		0.21	0.0089
Isopropylbenzene		ND		0.00096	0.0001					0.2		0.052	0.0057
Methyl tert butyl ether	0.93	ND		0.0019	0.00019					ND		0.1	0.01
Methylene chloride	0.05	ND		0.0048	0.0022					ND		0.26	0.12
n-Butylbenzene	12	ND		0.00096	0.00016					0.8		0.052	0.0088
n-Propylbenzene	3.9	ND		0.00096	0.00016					0.76		0.052	0.009
Naphthalene	12	ND		0.0038	0.00062					3.4		0.21	0.034
o-Chlorotoluene		ND		0.0019	0.00018					ND		0.1	0.01
o-Xylene		ND		0.00096	0.00028					0.35		0.052	0.015
p-Chlorotoluene		ND		0.0019	0.0001					ND		0.1	0.0057
p-Diethylbenzene		ND		0.0019	0.00017					11		0.1	0.0093
p-Ethyltoluene		ND		0.0019	0.00037					8.8		0.1	0.02
p-Isopropyltoluene		ND		0.00096	0.0001					0.31		0.052	0.0057
p/m-Xylene		ND		0.0019	0.00054					2.3		0.1	0.029
sec-Butylbenzene	11	ND		0.00096	0.00014					0.34		0.052	0.0077
Styrene		ND		0.00096	0.00019					ND		0.052	0.01
tert-Butylbenzene	5.9	ND		0.0019	0.00011					0.018	J	0.1	0.0062
Tetrachloroethene	1.3	ND		0.00048	0.00019					ND		0.026	0.01

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-03														RI-SB-04												RI-SB-05 (1-1.5)			
Client Sample ID:		RI-SB-02 (10.5-11)				RI-SB-03 (1.5-2)				RI-SB-03 (5.5-6)				RI-SB-03 (11.5-12)				RI-SB-04 (0.5-1)				RI-SB-04 (7.5-8)				RI-SB-04 (12.5-13)							
Lab Sample ID:		L2354249-07				L2354249-01				L2354249-02				L2354249-03				L2353845-09				L2353845-10				L2353845-11				L2353845-06			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		10.5-11'				1.5-2'				5.5-6'				11.5-12'				0.5-1'				7.5-8'				12.5-13'				1-1.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Toluene	0.7	0.0012		0.00093	0.00051	ND		0.00097	0.00053	0.00062	J	0.00093	0.0005	0.00051	J	0.00093	0.0005	ND		0.001	0.00055	0.00058	J	0.001	0.00055	ND		0.00096	0.00052	0.14		0.052	0.028
trans-1,2-Dichloroethene	0.19	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0015	0.00014	ND		0.0015	0.00014	ND		0.0014	0.00013	ND		0.079	0.0072
trans-1,3-Dichloropropene		ND		0.00093	0.00025	ND		0.00097	0.00026	ND		0.00093	0.00025	ND		0.00093	0.00025	ND		0.001	0.00028	ND		0.001	0.00028	ND		0.00096	0.00026	ND		0.052	0.014
trans-1,4-Dichloro-2-butene		ND		0.0047	0.0013	ND		0.0049	0.0014	ND		0.0046	0.0013	ND		0.0046	0.0013	ND		0.0051	0.0014	ND		0.005	0.0014	ND		0.0048	0.0014	ND		0.26	0.074
Trichloroethene	0.47	ND		0.00047	0.00013	ND		0.00049	0.00013	ND		0.00046	0.00013	ND		0.00046	0.00013	ND		0.00051	0.00014	ND		0.0005	0.00014	ND		0.00048	0.00013	ND		0.026	0.0072
Trichlorofluoromethane		ND		0.0037	0.00065	ND		0.0039	0.00068	ND		0.0037	0.00064	ND		0.0037	0.00065	ND		0.0041	0.00071	ND		0.004	0.0007	ND		0.0038	0.00066	ND		0.21	0.036
Vinyl acetate		ND		0.0093	0.002	ND		0.0097	0.0021	ND		0.0093	0.002	ND		0.0093	0.002	ND		0.01	0.0022	ND		0.01	0.0022	ND		0.0096	0.002	ND		0.52	0.11
Vinyl chloride	0.02	ND		0.00093	0.00031	ND		0.00097	0.00033	ND		0.00093	0.00031	ND		0.00093	0.00031	ND		0.001	0.00034	ND		0.001	0.00034	ND		0.00096	0.00032	ND		0.052	0.018
Xylenes, Total	0.26	0.0079		0.00093	0.00027	ND		0.00097	0.00028	ND		0.00093	0.00027	ND		0.00093	0.00027	ND		0.001	0.0003	ND		0.001	0.00029	ND		0.00096	0.00028	2.7		0.052	0.015
Total VOCs		0.10303	-	-	-	0.0047	-	-	-	0.00342	-	-	-	0.00764	-	-	-	-	-	-	-	0.01238	-	-	-	0.0067	-	-	-	50.269	-	-	-
Volatile Organic Compounds - TIC (mg/kg)																																	
1-Propene, 2-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-
Butane, 2-Methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-
Cyclohexane, methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-
Cyclopentane, Methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-	-	-	-
Cyclotrisiloxane, Hexamethyl-		-		-	-	-		-	-	0.0022	NJ	0	0	0.00217	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Decane, 4-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Heptane		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane, 2-methyl-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane, 3-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	3.48	NJ	0	0
Hexane, 2,2,4-trimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.57	NJ	0	0
Hexane, 2,5-dimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 2-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 3-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Indane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
n-Hexane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
No Tentatively Identified Compounds		-		-	-	-		-	-	-		-	-	-		-	-	ND		0	0	ND		0	0	ND		0	0	-		-	-
Nonane (C9)		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonane, 4-methyl-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octane		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octane, 2,6-dimethyl-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Octane, 3-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3,3-trimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3,4-trimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.69	NJ	0	0
Pentane, 2,3-dimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 3-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		0.00458	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		0.00197	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		0.00237	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	0.00472	J	0	0	0.00496	J	0	0	-		-	-	-		-	-	-		-	-	1.06	J	0	0
Unknown		0.00188	J	0	0	0.00245	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		0.00191	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		0.00477	J	0	0	0.00521	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.998	J	0	0
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.18	J	0	0
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.68	J	0	0
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	3.99	J	0	0
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.61	J	0	0
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.868	J	0	0
Unknown Aromatic		0.00342	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.71	J	0	0
Unknown Benzene		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		0.00214	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.927	J	0	0
Unknown Benzene		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.27	J	0	0
Unknown Benzene		0.00355	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.42	J	0	0
Unknown Benzene		0.00247	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.53	J	0	0
Unknown Benzene		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Cycloalkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Cyclohexane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		0.0291	J	0	0	0.00766	J	0	0	0.00692	J	0	0	0.00713	J	0	0	-		-	-	-		-	-	-		-	-	28	J	0	0
Perfluorinated Alkyl Acids (ug/kg)																																	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		ND		0.000509	0.000292	ND		0.000542	0.000311	ND		0.000492	0.000282	ND		0.000536	0.000308	ND		0.000539	0.000309	ND		0.000558	0.00032	ND		0.000549	0.000315	ND		0.000538	0.000309
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		ND		0.000509	0.000183	ND		0.000542	0.000195	ND		0.000492	0.000176	ND		0.000536	0.000192	ND		0.000539	0.000194	ND		0.000558	0.0002	ND		0.000549	0.000197	ND		0.000538	0.000193

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-02				RI-SB-03										RI-SB-04								RI-SB-05			
Client Sample ID:		RI-SB-02 (10.5-11)				RI-SB-03 (1.5-2)				RI-SB-03 (5.5-6)				RI-SB-03 (11.5-12)		RI-SB-04 (0.5-1)				RI-SB-04 (7.5-8)				RI-SB-04 (12.5-13)				RI-SB-05 (1-1.5)			
Lab Sample ID:		L2354249-07				L2354249-01				L2354249-02				L2354249-03		L2353845-09				L2353845-10				L2353845-11				L2353845-06			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/15/2023				9/15/2023		9/14/2023				9/14/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		10.5-11'				1.5-2'				5.5-6'				11.5-12'		0.5-1'				7.5-8'				12.5-13'				1-1.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL		SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		ND		0.000509	0.000086	ND		0.000542	0.000092	ND		0.000492	0.000083	ND		0.000536	0.000091	ND		0.000539	0.000091	ND		0.000558	0.000094	ND		0.000549	0.000093	ND		0.000538	0.000091
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		ND		0.000509	0.000205	ND		0.000542	0.000218	ND		0.000492	0.000198	ND		0.000536	0.000216	ND		0.000539	0.000217	ND		0.000558	0.000225	ND		0.000549	0.000221	ND		0.000538	0.000217
Perfluorobutanesulfonic Acid (PFBS)		ND		0.000254	0.00004	ND		0.000271	0.000042	ND		0.000246	0.000038	ND		0.000268	0.000042	ND		0.00027	0.000042	ND		0.000279	0.000044	ND		0.000275	0.000043	ND		0.000269	0.000042
Perfluorobutanoic Acid (PFBA)		ND		0.000509	0.000023	ND		0.000542	0.000025	ND		0.000492	0.000022	ND		0.000536	0.000024	ND		0.000539	0.000025	ND		0.000558	0.000025	ND		0.000549	0.000025	ND		0.000538	0.000024
Perfluorodecanesulfonic Acid (PFDS)		ND		0.000509	0.000156	ND		0.000542	0.000166	ND		0.000492	0.00015	ND		0.000536	0.000164	ND		0.000539	0.000165	ND		0.000558	0.000171	ND		0.000549	0.000168	ND		0.000538	0.000164
Perfluorodecanoic Acid (PFDA)		ND		0.000254	0.000068	ND		0.000271	0.000073	ND		0.000246	0.000066	ND		0.000268	0.000072	ND		0.00027	0.000072	ND		0.000279	0.000075	ND		0.000275	0.000074	ND		0.000269	0.000072
Perfluorododecanoic Acid (PFDoA)		ND		0.000509	0.000071	ND		0.000542	0.000076	ND		0.000492	0.000069	ND		0.000536	0.000075	ND		0.000539	0.000076	ND		0.000558	0.000078	ND		0.000549	0.000077	ND		0.000538	0.000075
Perfluoroheptanesulfonic Acid (PFHpS)		ND		0.000509	0.000139	ND		0.000542	0.000148	ND		0.000492	0.000134	ND		0.000536	0.000146	ND		0.000539	0.000147	ND		0.000558	0.000152	ND		0.000549	0.00015	ND		0.000538	0.000147
Perfluoroheptanoic Acid (PFHpA)		ND		0.000254	0.000046	ND		0.000271	0.000049	ND		0.000246	0.000044	ND		0.000268	0.000048	ND		0.00027	0.000049	ND		0.000279	0.00005	ND		0.000275	0.00005	ND		0.000269	0.000049
Perfluorohexanesulfonic Acid (PFHxS)		ND		0.000254	0.000062	ND		0.000271	0.000066	ND		0.000246	0.00006	ND		0.000268	0.000065	ND		0.00027	0.000065	ND		0.000279	0.000068	ND		0.000275	0.000067	ND		0.000269	0.000065
Perfluorohexanoic Acid (PFHxA)		ND		0.000509	0.000053	ND		0.000542	0.000057	ND		0.000492	0.000052	ND		0.000536	0.000056	ND		0.000539	0.000057	ND		0.000558	0.000059	ND		0.000549	0.000058	ND		0.000538	0.000057
Perfluorononanoic Acid (PFNA)		ND		0.000254	0.000076	ND		0.000271	0.000081	ND		0.000246	0.000074	ND		0.000268	0.00008	ND		0.00027	0.000081	ND		0.000279	0.000084	ND		0.000275	0.000082	ND		0.000269	0.000081
Perfluorooctanesulfonamide (FOSA)		ND		0.000509	0.0001	ND		0.000542	0.000106	ND		0.000492	0.000096	ND		0.000536	0.000105	ND		0.000539	0.000106	ND		0.000558	0.000109	ND		0.00056	0.00011	ND		0.000538	0.000105
Perfluorooctanesulfonic Acid (PFOS)	0.88	ND		0.000254	0.000132	ND		0.000271	0.000141	ND		0.000246	0.000128	ND		0.000268	0.000139	ND		0.00027	0.00014	ND		0.000279	0.000145	ND		0.000275	0.000143	ND		0.000269	0.00014
Perfluorooctanoic Acid (PFOA)	0.66	ND		0.000254	0.000043	ND		0.000271	0.000045	ND		0.000246	0.000041	ND		0.000268	0.000045	ND		0.00027	0.000045	ND		0.000279	0.000047	ND		0.000275	0.000046	ND		0.000269	0.000045
Perfluoropentanoic Acid (PFPeA)		ND		0.000509	0.000047	ND		0.000542	0.00005	ND		0.000492	0.000045	ND		0.000536	0.000049	ND		0.000539	0.00005	ND		0.000558	0.000051	ND		0.000549	0.000051	ND		0.000538	0.00005
Perfluorotetradecanoic Acid (PFTA)		ND		0.000509	0.000055	ND		0.000542	0.000059	ND		0.000492	0.000053	ND		0.000536	0.000058	ND		0.000539	0.000058	ND		0.000558	0.00006	ND		0.000549	0.000059	ND		0.000538	0.000058
Perfluorotridecanoic Acid (PFTrDA)		ND		0.000509	0.000208	ND		0.000542	0.000222	ND		0.000492	0.000201	ND		0.000536	0.000219	ND		0.000539	0.00022	ND		0.000558	0.000228	ND		0.000549	0.000225	ND		0.000538	0.00022
Perfluoroundecanoic Acid (PFUnA)		ND		0.000509	0.000048	ND		0.000542	0.000051	ND		0.000492	0.000046	ND		0.000536	0.00005	ND		0.000539	0.000051	ND		0.000558	0.000052	ND		0.000549	0.000051	ND		0.000538	0.00005
PFOA/PFOS, Total		ND		0.000254	0.000043	ND		0.000271	0.000045	ND		0.000246	0.000041	ND		0.000268	0.000045	ND		0.00027	0.000045	ND		0.000279	0.000047	ND		0.000275	0.000046	ND		0.000269	0.000045
Semi-Volatile Organic Compounds (mg/kg)																															
1,2,4,5-Tetrachlorobenzene		ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.19	0.019	ND		0.18	0.019	ND		0.18	0.019
1,2,4-Trichlorobenzene		ND		0.18	0.021	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.021	ND		0.19	0.021	ND		0.18	0.021	ND		0.18	0.021
1,2-Dichlorobenzene	1.1	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.033	ND		0.19	0.033	ND		0.18	0.033	ND		0.18	0.033
1,3-Dichlorobenzene	2.4	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.19	0.032	ND		0.18	0.032	ND		0.18	0.032
1,4-Dichlorobenzene	1.8	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.032	ND		0.19	0.032	ND		0.18	0.032	ND		0.18	0.032
1,4-Dioxane	0.1	ND		0.027	0.0084	ND		0.027	0.0082	ND		0.027	0.0082	ND		0.027	0.0082	ND		0.027	0.0084	ND		0.028	0.0086	ND		0.028	0.0085	ND		0.028	0.0084
2,4,5-Trichlorophenol		ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.19	0.036	ND		0.18	0.036	ND		0.18	0.035
2,4,6-Trichlorophenol		ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035
2,4-Dichlorophenol		ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.17	0.03	ND		0.17	0.03	ND		0.16	0.03
2,4-Dimethylphenol		ND		0.18	0.06	ND		0.18	0.059	ND		0.18	0.059	ND		0.18	0.059	ND		0.18	0.06	ND		0.19	0.062	ND		0.18	0.061	ND		0.18	0.061
2,4-Dinitrophenol		ND		0.87	0.085	ND		0.86	0.083	ND		0.86	0.083	ND		0.86	0.084	ND		0.87	0.085	ND		0.9	0.087	ND		0.89	0.086	ND		0.88	0.086
2,4-Dinitrotoluene		ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.036	ND		0.19	0.037	ND		0.18	0.037	ND		0.18	0.037
2,6-Dinitrotoluene		ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.19	0.032	ND		0.18	0.032	ND		0.18	0.032
2-Chloronaphthalene		ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.19	0.018	ND		0.18	0.018	ND		0.18	0.018
2-Chlorophenol		ND		0.18	0.022	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.022	ND		0.19	0.022	ND		0.18	0.022	ND		0.18	0.022
2-Methylnaphthalene		1		0.22	0.022	ND		0.21	0.022	ND		0.21	0.022	ND		0.22	0.022	ND		0.22	0.022	ND		0.22	0.022	ND		0.22	0.022	0.11	J	0.22	0.022
2-Methylphenol	0.33	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.19	0.029	ND		0.18	0.029	ND		0.18	0.028
2-Nitroaniline		ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.19	0.036	ND		0.18	0.036	ND		0.18	0.035
2-Nitrophenol		ND		0.39	0.068	ND		0.38	0.067	ND		0.39	0.067	ND		0.39	0.067	ND		0.39	0.068	ND		0.4	0.07	ND		0.4	0.07	ND		0.4	0.069
3,3'-Dichlorobenzidine		ND		0.18	0.048	ND		0.18	0.047	ND		0.18	0.048	ND		0.18	0.048	ND		0.18	0.048	ND		0.19	0.05	ND		0.18	0.049	ND		0.18	0.049
3-Methylphenol/4-Methylphenol	0.33	0.029	J	0.26	0.028	ND		0.26	0.028	ND		0.26	0.028	ND		0.26	0.028	ND		0.26	0.028	ND		0.27	0.029	ND		0.27	0.029	ND		0.26	0.029
3-Nitroaniline		ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.035	ND		0.18	0.035	ND		0.18	0.035
4,6-Dinitro-o-cresol		ND		0.47	0.087	ND		0.46	0.086	ND		0.46	0.086	ND		0.46	0.086	ND		0.47	0.087	ND		0.48	0.09	ND		0.48	0.089	ND		0.48	0.088
4-Bromophenyl phenyl ether		ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.028	ND		0.19	0.028	ND		0.18	0.028	ND		0.18	0.028
4-Chloroaniline		ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.033	ND		0.18	0.033	ND		0.19	0.034	ND		0.18	0.034	ND		0.18	0.033
4-Chlorophenyl phenyl ether		ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.19	0.02	ND		0.18	0.02	ND		0.18	0.02
4-Nitroaniline		ND		0.18	0.075	ND		0.18	0.074	ND		0.18	0.074	ND		0.18	0.074	ND		0.18	0.075	ND		0.19	0.077	ND		0.18	0.077	ND		0.18	0.076
4-Nitrophenol		ND		0.25	0.074	ND		0.25	0.073	ND		0.25	0.073	ND		0.25	0.073	ND		0.25	0.074	ND		0.26	0.076	ND		0.26	0.076	ND		0.26	0.075
Acenaphthene	20	ND		0.14	0.019	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.019	ND		0.14	0.019	ND		0.15	0.019	ND		0.15	0.019	ND		0.15	0.019
Acenaphthylene	100	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028	ND		0.15	0.029	ND		0.15	0.029	ND		0.15	0.028
Acetophenone		ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.19	0.023	ND		0.18	0.023	ND		0.18	0.023
Anthracene	100	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.036	ND		0.11	0.036	ND		0.11	0.036
Benzo(a)anthracene	1	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	0.065	J	0.11	0.02	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021
Benzo(a)pyrene	1	ND		0.14	0.044	ND		0.14	0.044	ND		0.14	0.044	ND		0.14	0.044	0.064	J	0.14	0.044	ND		0.15	0.045	ND		0.15	0.045	ND		0.15	0.045
Benzo(b)fluoranthene	1	ND		0.11	0.031	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03	0.074	J	0.11	0.031	ND		0.11	0.031	ND		0.11	0.031	ND		0.11	0.031
Benzo(ghi)perylene	100	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.15	0.022	ND		0.15	0.022	ND		0.15	0.022
Benzo(k)fluoranthene	0.8	ND		0.11	0.029	ND		0.11	0.028	ND		0.11	0.029	ND		0.11	0.029	0.032	J	0.11	0.029	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.029
Benzoic Acid		ND		0.59	0.18	ND		0.58	0.18	ND		0.58	0.18	ND		0.58	0.18	ND		0.59	0.18	ND		0.6	0.19	ND		0.6	0.19	ND		0.6	0.18
Benzyl Alcohol		ND		0.18	0.056	ND		0.18	0.054	ND		0.18	0.055	ND		0.18	0.055	ND		0.18	0.056	ND		0.19	0.057	ND		0.18	0.057	ND		0.18	0.056
Biphenyl		ND		0.41	0.024	ND		0.41	0.023	ND		0.41	0.023	ND		0.41	0.023	ND		0.41	0.024	ND		0.42	0.024	ND		0.42	0.024	ND		0.42	0.024
Bis(2-chloroethoxy)methane		ND		0.2	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.2	0.018	ND		0.2	0.019	ND		0.2	0.019	ND		0.2	0.018
Bis(2-chloroethyl)ether		ND		0.16	0.025	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.025	ND		0.17	0.025	ND		0.17	0.025	ND		0.16	0.025
Bis(2-chloroisopropyl)ether		ND		0.22	0.031	ND		0.21	0.03	ND		0.21	0.03	ND		0.22	0.031	ND		0.22	0.031	ND		0.22	0.032	ND		0.22	0.032	ND		0.22	0.031
Bis(2-ethylhexyl)phthalate		ND		0.18	0.063	ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.063	ND		0.19	0.064	ND		0.18	0.064	ND		0.18	0.064
Butyl benzyl phthalate		ND		0.18	0.046	ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.046	ND		0.19	0.047	ND		0.18	0.047	ND		0.18	0.046
Carbazole		ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.19	0.018	ND		0.18	0.018	ND		0.18	0.018
Chrysene	1	ND		0.11	0.019	ND		0.11	0.018	ND		0.11	0.019	ND		0.11	0.019	0.072	J	0.11	0.019	ND		0.11	0.019	ND		0.11	0.019	ND		0.11	0.019
Di-n-butylphthalate		ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.035	ND		0.18	0.035	ND		0.18	0.035

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-02				RI-SB-03												RI-SB-04										RI-SB-05			
Client Sample ID:		RI-SB-02 (10.5-11)				RI-SB-03 (1.5-2)				RI-SB-03 (5.5-6)				RI-SB-03 (11.5-12)				RI-SB-04 (0.5-1)				RI-SB-04 (7.5-8)				RI-SB-04 (12.5-13)				RI-SB-05 (1-1.5)			
Lab Sample ID:		L2354249-07				L2354249-01				L2354249-02				L2354249-03				L2353845-09				L2353845-10				L2353845-11				L2353845-06			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		10.5-11'				1.5-2'				5.5-6'				11.5-12'				0.5-1'				7.5-8'				12.5-13'				1-1.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate		ND		0.18	0.062	ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.062	ND		0.19	0.063	ND		0.18	0.063	ND		0.18	0.062
Dibenzo(a,h)anthracene	0.33	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.022	ND		0.11	0.021	ND		0.11	0.021
Dibenzofuran	7	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.19	0.018	ND		0.18	0.018	ND		0.18	0.017
Diethyl phthalate		ND		0.18	0.017	ND		0.18	0.016	ND		0.18	0.016	ND		0.18	0.016	ND		0.18	0.017	ND		0.19	0.017	ND		0.18	0.017	ND		0.18	0.017
Dimethyl phthalate		ND		0.18	0.038	ND		0.18	0.037	ND		0.18	0.038	ND		0.18	0.038	ND		0.18	0.038	ND		0.19	0.039	ND		0.18	0.039	ND		0.18	0.038
Fluoranthene	100	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	0.1	J	0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021
Fluorene	30	0.022	J	0.18	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.19	0.018	ND		0.18	0.018	ND		0.18	0.018
Hexachlorobenzene	0.33	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.02
Hexachlorobutadiene		ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.027	ND		0.19	0.027	ND		0.18	0.027	ND		0.18	0.027
Hexachlorocyclopentadiene		ND		0.52	0.16	ND		0.51	0.16	ND		0.51	0.16	ND		0.51	0.16	ND		0.52	0.16	ND		0.53	0.17	ND		0.53	0.17	ND		0.52	0.17
Hexachloroethane		ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.029	ND		0.15	0.03	ND		0.15	0.03	ND		0.15	0.03
Indeno(1,2,3-cd)pyrene	0.5	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	ND		0.15	0.026	ND		0.15	0.026	ND		0.15	0.026
Isophorone		ND		0.16	0.024	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.024	ND		0.17	0.024	ND		0.17	0.024	ND		0.16	0.024
n-Nitrosodi-n-propylamine		ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.19	0.029	ND		0.18	0.029	ND		0.18	0.028
Naphthalene	12	1.3		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.19	0.023	ND		0.18	0.023	0.064	J	0.18	0.022
NDPA/DPA		ND		0.14	0.021	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.021	ND		0.15	0.021	ND		0.15	0.021	ND		0.15	0.021
Nitrobenzene		ND		0.16	0.027	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.027	ND		0.17	0.028	ND		0.17	0.027	ND		0.16	0.027
p-Chloro-m-cresol		ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.19	0.028	ND		0.18	0.028	ND		0.18	0.027
Pentachlorophenol	0.8	ND		0.14	0.04	ND		0.14	0.039	ND		0.14	0.039	ND		0.14	0.039	ND		0.14	0.04	ND		0.15	0.041	ND		0.15	0.041	ND		0.15	0.04
Phenanthrene	100	0.026	J	0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.023	ND		0.11	0.022	ND		0.11	0.022
Phenol	0.33	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.19	0.028	ND		0.18	0.028	ND		0.18	0.028
Pyrene	100	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	0.081	J	0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018
Total SVOCs		2.377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.488	-	-	-	-	-	-	-	-	-	-	-	0.174	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																																	
Benzene, Propyl-		1.98	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indane		1.16	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
No Tentatively Identified Compounds		-		-	-	ND		0	0	ND		0	0	-		-	-	ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		1.52	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		0.856	J	0	0	-		-	-	-		-	-	0.153	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		0.877	J	0	0	-		-	-	-		-	-	0.15	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		0.835	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		1.08	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		1.4	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		2.56	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		6.5	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		2.75	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		10.2	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		2.92	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		2	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		3.86	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Indene		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		40.5	J	0	0	-		-	-	-		-	-	0.303	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Pesticides (mg/kg)																																	
4,4'-DDD	0.0033	ND		0.00173	0.000618	ND		0.00172	0.000612	ND		0.00173	0.000617	ND		0.0017	0.000605	ND		0.00168	0.0006	ND		0.00174	0.00062	ND		0.00169	0.000604	ND		0.00174	0.000619
4,4'-DDE	0.0033	ND		0.00173	0.000401	ND		0.00172	0.000397	ND		0.00173	0.0004	ND		0.0017	0.000392	ND		0.00168	0.000389	ND		0.00174	0.000402	ND		0.00169	0.000391	ND		0.00174	0.000402
4,4'-DDT	0.0033	ND		0.00173	0.00139	ND		0.00172	0.00138	ND		0.00173	0.00139	ND		0.0017	0.00136	ND		0.00168	0.00135	ND		0.00174	0.0014	ND		0.00169	0.00136	ND		0.00174	0.0014
Aldrin	0.005	ND		0.00173	0.000611	ND		0.00172	0.000604	ND		0.00173	0.000609	ND		0.0017	0.000597	ND		0.00168	0.000592	ND		0.00174	0.000612	ND		0.00169	0.000596	ND		0.00174	0.000611
Alpha-BHC	0.02	ND		0.000723	0.000205	ND		0.000715	0.000203	ND		0.000721	0.000205	ND		0.000707	0.000201	ND		0.000701	0.000199	ND		0.000724	0.000206	ND		0.000705	0.0002	ND		0.000723	0.000205
Beta-BHC	0.036	ND		0.00173	0.000658	ND		0.00172	0.00065	ND		0.00173	0.000656	ND		0.0017	0.000643	ND		0.00168	0.000638	ND		0.00174	0.000659	ND		0.00169	0.000642	ND		0.00174	0.000658
Chlordane		ND		0.0144	0.00574	ND		0.0143	0.00568	ND		0.0144	0.00573	ND		0.0141	0.00562	ND		0.014	0.00557	ND		0.0145	0.00576	ND		0.0141	0.00561	ND		0.0145	0.00575
cis-Chlordane	0.094	ND		0.00217	0.000604	ND		0.00214	0.000598	ND		0.00216	0.000603	ND		0.00212	0.000591	ND		0.0021	0.000586	ND		0.00217	0.000606	ND		0.00212	0.00059	ND		0.00217	0.000605
Delta-BHC	0.04	ND		0.00173	0.00034	ND		0.00172	0.000336	ND		0.00173	0.000339	ND		0.0017	0.000332	ND		0.00168	0.000329	ND		0.00174	0.00034	ND		0.00169	0.000332	ND		0.00174	0.00034
Dieldrin	0.005	ND		0.00108	0.000542	ND		0.00107	0.000536	ND		0.00108	0.000541	ND		0.00106	0.00053	ND		0.00105	0.000526	ND		0.00109	0.000543	ND		0.00106	0.000529	ND		0.00108	0.000542
Endosulfan I	2.4	ND		0.00173	0.00041	ND		0.00172	0.000405	ND		0.00173	0.000409	ND		0.0017	0.000401	ND		0.00168	0.000397	ND		0.00174	0.000411	ND		0.00169	0.0004	ND		0.00174	0.00041
Endosulfan II	2.4	ND		0.00173	0.00058	ND		0.00172	0.000573	ND		0.00173	0.000578	ND		0.0017	0.000567	ND		0.00168	0.000562	ND		0.00174	0.000581	ND		0.00169	0.000566	ND		0.00174	0.00058
Endosulfan sulfate	2.4	ND		0.000723	0.000344	ND		0.000715	0.00034	ND		0.000721	0.000343	ND		0.000707	0.000336	ND		0.000701	0.000334	ND		0.000724	0.000345	ND		0.000705	0.000336	ND		0.000723	0.000344
Endrin	0.014	ND		0.000723	0.000296	ND		0.000715	0.000293	ND		0.000721	0.000296	ND		0.000707	0.00029	ND		0.000701	0.000287	ND		0.000724	0.000297	ND		0.000705	0.000289	ND		0.000723	0.000297

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-02				RI-SB-03												RI-SB-04								RI-SB-05			
Client Sample ID:		RI-SB-02 (10.5-11)				RI-SB-03 (1.5-2)				RI-SB-03 (5.5-6)				RI-SB-03 (11.5-12)				RI-SB-04 (0.5-1)				RI-SB-04 (7.5-8)				RI-SB-04 (12.5-13)				RI-SB-05 (1-1.5)			
Lab Sample ID:		L2354249-07				L2354249-01				L2354249-02				L2354249-03				L2353845-09				L2353845-10				L2353845-11				L2353845-06			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/15/2023				9/15/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		10.5-11'				1.5-2'				5.5-6'				11.5-12'				0.5-1'				7.5-8'				12.5-13'				1-1.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Endrin aldehyde		ND		0.00217	0.000759	ND		0.00214	0.000751	ND		0.00216	0.000757	ND		0.00212	0.000742	ND		0.0021	0.000736	ND		0.00217	0.000761	ND		0.00212	0.00074	ND		0.00217	0.00076
Endrin ketone		ND		0.00173	0.000446	ND		0.00172	0.000442	ND		0.00173	0.000446	ND		0.0017	0.000437	ND		0.00168	0.000433	ND		0.00174	0.000448	0.000462	JIP	0.00169	0.000436	ND		0.00174	0.000447
Heptachlor	0.042	ND		0.000867	0.000389	ND		0.000858	0.000384	ND		0.000865	0.000388	ND		0.000848	0.00038	ND		0.000841	0.000377	ND		0.000869	0.00039	ND		0.000846	0.000379	ND		0.000868	0.000389
Heptachlor epoxide		ND		0.00325	0.000976	ND		0.00322	0.000965	ND		0.00324	0.000974	ND		0.00318	0.000954	ND		0.00315	0.000946	ND		0.00326	0.000978	ND		0.00317	0.000952	ND		0.00326	0.000977
Lindane	0.1	ND		0.000723	0.000323	ND		0.000715	0.00032	ND		0.000721	0.000322	ND		0.000707	0.000316	ND		0.000701	0.000313	ND		0.000724	0.000324	ND		0.000705	0.000315	ND		0.000723	0.000323
Methoxychlor		ND		0.00325	0.00101	ND		0.00322	0.001	ND		0.00324	0.00101	ND		0.00318	0.00099	ND		0.00315	0.000981	ND		0.00326	0.00101	ND		0.00317	0.000987	ND		0.00326	0.00101
Toxaphene		ND		0.0325	0.0091	ND		0.0322	0.00901	ND		0.0324	0.00909	ND		0.0318	0.00891	ND		0.0315	0.00883	ND		0.0326	0.00913	ND		0.0317	0.00889	ND		0.0326	0.00912
trans-Chlordane		ND		0.00217	0.000572	ND		0.00214	0.000566	ND		0.00216	0.000571	ND		0.00212	0.00056	ND		0.0021	0.000555	ND		0.00217	0.000574	ND		0.00212	0.000559	ND		0.00217	0.000573
Polychlorinated Biphenyls (mg/kg)																																	
Aroclor 1016	0.1	ND		0.0512	0.00454	ND		0.0542	0.00481	ND		0.0506	0.00449	ND		0.053	0.00471	ND		0.05	0.00444	ND		0.0521	0.00463	ND		0.0553	0.00491	ND		0.0539	0.00479
Aroclor 1221	0.1	ND		0.0512	0.00513	ND		0.0542	0.00543	ND		0.0506	0.00506	ND		0.053	0.00531	ND		0.05	0.00501	ND		0.0521	0.00522	ND		0.0553	0.00554	ND		0.0539	0.0054
Aroclor 1232	0.1	ND		0.0512	0.0108	ND		0.0542	0.0115	ND		0.0506	0.0107	ND		0.053	0.0112	ND		0.05	0.0106	ND		0.0521	0.011	ND		0.0553	0.0117	ND		0.0539	0.0114
Aroclor 1242	0.1	ND		0.0512	0.0069	ND		0.0542	0.00731	ND		0.0506	0.00682	ND		0.053	0.00715	ND		0.05	0.00674	ND		0.0521	0.00702	ND		0.0553	0.00745	ND		0.0539	0.00727
Aroclor 1248	0.1	ND		0.0512	0.00768	ND		0.0542	0.00813	ND		0.0506	0.00758	ND		0.053	0.00795	ND		0.05	0.0075	ND		0.0521	0.00781	ND		0.0553	0.00829	ND		0.0539	0.00809
Aroclor 1254	0.1	ND		0.0512	0.0056	ND		0.0542	0.00593	ND		0.0506	0.00553	ND		0.053	0.0058	ND		0.05	0.00547	ND		0.0521	0.0057	ND		0.0553	0.00605	ND		0.0539	0.0059
Aroclor 1260	0.1	ND		0.0512	0.00946	ND		0.0542	0.01	ND		0.0506	0.00934	ND		0.053	0.0098	ND		0.05	0.00924	ND		0.0521	0.00963	ND		0.0553	0.0102	ND		0.0539	0.00997
Aroclor 1262	0.1	ND		0.0512	0.0065	ND		0.0542	0.00688	ND		0.0506	0.00642	ND		0.053	0.00673	ND		0.05	0.00635	ND		0.0521	0.00662	ND		0.0553	0.00702	ND		0.0539	0.00685
Aroclor 1268	0.1	ND		0.0512	0.0053	ND		0.0542	0.00562	ND		0.0506	0.00524	ND		0.053	0.00549	ND		0.05	0.00518	ND		0.0521	0.0054	ND		0.0553	0.00573	ND		0.0539	0.00559
PCBs, Total	0.1	ND		0.0512	0.00454	ND		0.0542	0.00481	ND		0.0506	0.00449	ND		0.053	0.00471	ND		0.05	0.00444	ND		0.0521	0.00463	ND		0.0553	0.00491	ND		0.0539	0.00479
Total Metals (mg/kg)																																	
Aluminum, Total		7240		8.8	2.38	15000		8.6	2.32	8240		8.57	2.31	10900		8.6	2.32	13100		8.48	2.29	12900		8.72	2.36	14800		8.74	2.36	12200		8.51	2.3
Antimony, Total		ND		4.4	0.334	ND		4.3	0.327	ND		4.28	0.326	ND		4.3	0.327	ND		4.24	0.322	ND		4.36	0.332	ND		4.37	0.332	ND		4.25	0.323
Arsenic, Total	13	0.962		0.88	0.183	1.25		0.86	0.179	0.653	J	0.857	0.178	0.72	J	0.86	0.179	1.76		0.848	0.176	1.83		0.872	0.182	2.28		0.874	0.182	4.12		0.851	0.177
Barium, Total	350	90.3		0.88	0.153	190		0.86	0.15	108		0.857	0.149	146		0.86	0.15	148		0.848	0.148	149		0.872	0.152	180		0.874	0.152	128		0.851	0.148
Beryllium, Total	7.2	0.358	J	0.44	0.029	0.785		0.43	0.028	0.459		0.428	0.028	0.573		0.43	0.028	0.406	J	0.424	0.028	0.402	J	0.436	0.029	0.426	J	0.437	0.029	0.205	J	0.425	0.028
Cadmium, Total	2.5	ND		0.88	0.086	ND		0.86	0.084	ND		0.857	0.084	ND		0.86	0.084	ND		0.848	0.083	ND		0.872	0.086	ND		0.874	0.086	ND		0.851	0.083
Calcium, Total		20700		8.8	3.08	2820		8.6	3.01	8710		8.57	3	6210		8.6	3.01	4050		8.48	2.97	2540		8.72	3.05	9400		8.74	3.06	1250		8.51	2.98
Chromium, Total		16.1		0.88	0.084	26.5		0.86	0.083	14.5		0.857	0.082	20.5		0.86	0.083	21		0.848	0.081	23.6		0.872	0.084	27.8		0.874	0.084	78.3		0.851	0.082
Cobalt, Total		6.38		1.76	0.146	11.1		1.72	0.143	6.36		1.71	0.142	8.56		1.72	0.143	8.21		1.7	0.141	9.5		1.74	0.145	10.6		1.75	0.145	7.44		1.7	0.141
Copper, Total	50	11.2		0.88	0.227	19		0.86	0.222	10.2		0.857	0.221	13.4		0.86	0.222	18		0.848	0.219	18.9		0.872	0.225	20.8		0.874	0.226	24.9		0.851	0.219
Iron, Total		14200		4.4	0.794	25800		4.3	0.776	14200		4.28	0.774	18700		4.3	0.776	20700		4.24	0.766	22000		4.36	0.788	25100		4.37	0.79	25000		4.25	0.768
Lead, Total	63	2.59	J	4.4	0.236	4.97		4.3	0.23	2.34	J	4.28	0.23	3.24	J	4.3	0.23	7.03		4.24	0.227	6.19		4.36	0.234	7.09		4.37	0.234	29.1		4.25	0.228
Magnesium, Total		5400		8.8	1.35	7520		8.6	1.32	7580		8.57	1.32	6880		8.6	1.32	8910		8.48	1.31	5910		8.72	1.34	9100		8.74	1.35	8000		8.51	1.31
Manganese, Total	1600	995		0.88	0.14	281		0.86	0.137	170		0.857	0.136	193		0.86	0.137	319		0.848	0.135	302		0.872	0.139	282		0.874	0.139	278		0.851	0.135
Mercury, Total	0.18	ND		0.08	0.052	ND		0.079	0.052	ND		0.086	0.056	ND		0.08	0.052	ND		0.071	0.046	ND		0.079	0.051	ND		0.081	0.053	0.107		0.072	0.047
Nickel, Total	30	11.8		2.2	0.213	19.8		2.15	0.208	11		2.14	0.207	15.1		2.15	0.208	15.9		2.12	0.205	17.9		2.18	0.211	20.1		2.18	0.212	51.2		2.13	0.206
Potassium, Total		3700		220	12.7	7450		215	12.4	4290		214	12.3	5970		215	12.4	5750		212	12.2	6140		218	12.6	7480		218	12.6	8920		213	12.2
Selenium, Total	3.9	ND		1.76	0.227	ND		1.72	0.222	ND		1.71	0.221	ND		1.72	0.222	ND		1.7	0.219	0.246	J	1.74	0.225	ND		1.75	0.226	ND		1.7	0.219
Silver, Total	2	ND		0.44	0.249	ND		0.43	0.243	ND		0.428	0.242	ND		0.43	0.243	ND		0.424	0.24	0.268	J	0.436	0.247	0.249	J	0.437	0.247	0.254	J	0.425	0.241
Sodium, Total		125	J	176	2.77	272		172	2.71	97	J	171	2.7	101	J	172	2.71	176		170	2.67	179		174	2.75	175		175	2.75	115	J	170	2.68
Thallium, Total		ND		1.76	0.277	0.437	J	1.72	0.271	ND		1.71	0.27	0.352	J	1.72	0.271	4.02		1.7	0.267	4.29		1.74	0.275	5.42		1.75	0.275	8.66		1.7	0.268
Vanadium, Total		21.1		0.88	0.178	36.6		0.86	0.174	20.2		0.857	0.174	27.4		0.86	0.174	30.1		0.848	0.172	33.5		0.872	0.177	38.6		0.874	0.178	58.3		0.851	0.173
Zinc, Total	109	29.8		4.4	0.258	61.6		4.3	0.252	32.1		4.28	0.251	43.8		4.3	0.252	51.9		4.24	0.248	50.6		4.36	0.256	55.4		4.37	0.256	128		4.25	0.249
General Chemistry																																	
Cyanide, Total	27	ND		1.1	0.23	ND		1	0.22	ND		1	0.22	ND		1	0.22	ND		1	0.22	ND		1	0.22	ND		1.1	0.23	ND		1.1	0.23
Solids, Total (%)		90.8		0.1	NA	90.6		0.1	NA	91.4		0.1	NA	91.9		0.1	NA	91.6		0.1	NA	88.7		0.1	NA	89		0.1	NA	90.7		0.1	NA

Notes:
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
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
Concentration exceeds USCO
Concentration exceeds RRSCO
Reporting Limit exceeds USCO but reported Conc does not

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-05												RI-SB-06												RI-S			
Client Sample ID:		RI-SB-05 (9-9.5)				DUP_20230914				RI-SB-05 (14.5-15)				RI-SB-06 (1-1.5)				RI-SB-06 (7-7.5)				RI-SB-06 (14.5-15)				RI-SB-07 (4.5-5)				RI-SB-07 (5.5-6)			
Lab Sample ID:		L2353845-07				L2353845-03				L2353845-08				L2353482-09				L2353482-10				L2353482-11				L2354249-14				L2354249-15			
Date Sampled:	USCO	9/14/2023				9/14/2023				9/14/2023				9/13/2023				9/13/2023				9/13/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):		9-9.5'								14.5-15'				1-1.5'				7-7.5'				14.5-15'				4.5-5'				5.5-6'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)																																	
1,1,1,2-Tetrachloroethane		ND		0.00048	0.00013	ND		0.00056	0.00015	ND		0.00052	0.00014	ND		0.00046	0.00012	ND		0.00049	0.00013	ND		0.00052	0.00014	ND		0.00055	0.00014	ND		0.00044	0.00012
1,1,1-Trichloroethane	0.68	ND		0.00048	0.00016	ND		0.00056	0.00019	ND		0.00052	0.00018	ND		0.00046	0.00015	ND		0.00049	0.00016	ND		0.00052	0.00017	ND		0.00055	0.00018	ND		0.00044	0.00014
1,1,2,2-Tetrachloroethane		ND		0.00048	0.00016	ND		0.00056	0.00018	ND		0.00052	0.00017	ND		0.00046	0.00015	ND		0.00049	0.00016	ND		0.00052	0.00017	ND		0.00055	0.00018	ND		0.00044	0.00014
1,1,2-Trichloroethane		ND		0.00096	0.00026	ND		0.0011	0.0003	ND		0.001	0.00028	ND		0.00091	0.00024	ND		0.00098	0.00026	ND		0.001	0.00028	ND		0.0011	0.00029	ND		0.00087	0.00023
1,1-Dichloroethane	0.27	ND		0.00096	0.00014	ND		0.0011	0.00016	ND		0.001	0.00015	ND		0.00091	0.00013	ND		0.00098	0.00014	ND		0.001	0.00015	ND		0.0011	0.00016	ND		0.00087	0.00013
1,1-Dichloroethene	0.33	ND		0.00096	0.00023	ND		0.0011	0.00026	ND		0.001	0.00025	ND		0.00091	0.00022	ND		0.00098	0.00023	ND		0.001	0.00025	ND		0.0011	0.00026	ND		0.00087	0.00021
1,1-Dichloropropene		ND		0.00048	0.00015	ND		0.00056	0.00018	ND		0.00052	0.00017	ND		0.00046	0.00014	ND		0.00049	0.00016	ND		0.00052	0.00016	ND		0.00055	0.00017	ND		0.00044	0.00014
1,2,3-Trichlorobenzene		ND		0.0019	0.00031	ND		0.0022	0.00036	ND		0.0021	0.00034	ND		0.0018	0.00029	ND		0.002	0.00031	ND		0.0021	0.00033	ND		0.0022	0.00035	ND		0.0017	0.00028
1,2,3-Trichloropropane		ND		0.0019	0.00012	ND		0.0022	0.00014	ND		0.0021	0.00013	ND		0.0018	0.00012	ND		0.002	0.00012	ND		0.0021	0.00013	ND		0.0022	0.00014	ND		0.0017	0.00011
1,2,4,5-Tetramethylbenzene		0.0041		0.0019	0.00018	0.00026	J	0.0022	0.00021	ND		0.0021	0.0002	ND		0.0018	0.00017	0.0018	J	0.002	0.00019	ND		0.0021	0.0002	ND		0.0022	0.00021	ND		0.0017	0.00017
1,2,4-Trichlorobenzene		ND		0.0019	0.00026	ND		0.0022	0.0003	ND		0.0021	0.00028	ND		0.0018	0.00025	ND		0.002	0.00027	ND		0.0021	0.00028	ND		0.0022	0.0003	ND		0.0017	0.00024
1,2,4-Trimethylbenzene	3.6	ND		0.0019	0.00032	ND		0.0022	0.00037	ND		0.0021	0.00035	ND		0.0018	0.0003	0.00034	J	0.002	0.00033	ND		0.0021	0.00035	ND		0.0022	0.00036	ND		0.0017	0.00029
1,2-Dibromo-3-chloropropane		ND		0.0029	0.00096	ND		0.0033	0.0011	ND		0.0031	0.001	ND		0.0027	0.00091	ND		0.0029	0.00098	ND		0.0031	0.001	ND		0.0033	0.0011	ND		0.0026	0.00087
1,2-Dibromoethane		ND		0.00096	0.00027	ND		0.0011	0.00031	ND		0.001	0.00029	ND		0.00091	0.00026	ND		0.00098	0.00027	ND		0.001	0.00029	ND		0.0011	0.0003	ND		0.00087	0.00024
1,2-Dichlorobenzene	1.1	ND		0.0019	0.00014	ND		0.0022	0.00016	ND		0.0021	0.00015	ND		0.0018	0.00013	ND		0.002	0.00014	ND		0.0021	0.00015	ND		0.0022	0.00016	ND		0.0017	0.00012
1,2-Dichloroethane	0.02	ND		0.00096	0.00025	ND		0.0011	0.00029	ND		0.001	0.00027	ND		0.00091	0.00023	ND		0.00098	0.00025	ND		0.001	0.00027	ND		0.0011	0.00028	ND		0.00087	0.00022
1,2-Dichloroethene, Total		ND		0.00096	0.00013	ND		0.0011	0.00015	ND		0.001	0.00014	ND		0.00091	0.00012	ND		0.00098	0.00013	ND		0.001	0.00014	ND		0.0011	0.00015	ND		0.00087	0.00012
1,2-Dichloropropane		ND		0.00096	0.00012	ND		0.0011	0.00014	ND		0.001	0.00013	ND		0.00091	0.00011	ND		0.00098	0.00012	ND		0.001	0.00013	ND		0.0011	0.00014	ND		0.00087	0.00011
1,3,5-Trimethylbenzene	8.4	ND		0.0019	0.00019	ND		0.0022	0.00021	ND		0.0021	0.0002	ND		0.0018	0.00018	ND		0.002	0.00019	ND		0.0021	0.0002	ND		0.0022	0.00021	ND		0.0017	0.00017
1,3-Dichlorobenzene	2.4	ND		0.0019	0.00014	ND		0.0022	0.00016	ND		0.0021	0.00016	ND		0.0018	0.00014	ND		0.002	0.00014	ND		0.0021	0.00015	ND		0.0022	0.00016	ND		0.0017	0.00013
1,3-Dichloropropane		ND		0.0019	0.00016	ND		0.0022	0.00019	ND		0.0021	0.00018	ND		0.0018	0.00015	ND		0.002	0.00016	ND		0.0021	0.00017	ND		0.0022	0.00018	ND		0.0017	0.00014
1,3-Dichloropropene, Total		ND		0.00048	0.00015	ND		0.00056	0.00018	ND		0.00052	0.00016	ND		0.00046	0.00014	ND		0.00049	0.00015	ND		0.00052	0.00016	ND		0.00055	0.00017	ND		0.00044	0.00014
1,4-Dichlorobenzene	1.8	ND		0.0019	0.00016	ND		0.0022	0.00019	ND		0.0021	0.00018	ND		0.0018	0.00016	ND		0.002	0.00017	ND		0.0021	0.00018	ND		0.0022	0.00019	ND		0.0017	0.00015
1,4-Dioxane	0.1	ND		0.077	0.034	ND		0.089	0.039	ND		0.084	0.037	ND		0.073	0.032	ND		0.078	0.034	ND		0.083	0.036	ND		0.088	0.038	ND		0.07	0.031
2,2-Dichloropropane		ND		0.0019	0.00019	ND		0.0022	0.00022	ND		0.0021	0.00021	ND		0.0018	0.00018	ND		0.002	0.0002	ND		0.0021	0.00021	ND		0.0022	0.00022	ND		0.0017	0.00018
2-Butanone	0.12	0.0059	J	0.0096	0.0021	0.0038	J	0.011	0.0025	ND		0.01	0.0023	0.0032	J	0.0091	0.002	0.0054	J	0.0098	0.0022	ND		0.01	0.0023	ND		0.011	0.0024	ND		0.0087	0.0019
2-Hexanone		ND		0.0096	0.0011	ND		0.011	0.0013	ND		0.01	0.0012	ND		0.0091	0.0011	ND		0.0098	0.0012	ND		0.01	0.0012	ND		0.011	0.0013	ND		0.0087	0.001
4-Methyl-2-pentanone		ND		0.0096	0.0012	ND		0.011	0.0014	ND		0.01	0.0013	ND		0.0091	0.0012	ND		0.0098	0.0012	ND		0.01	0.0013	ND		0.011	0.0014	ND		0.0087	0.0011
Acetone	0.05	0.031		0.0096	0.0046	0.022		0.011	0.0054	0.0081	J	0.01	0.005	0.02		0.0091	0.0044	0.028		0.0098	0.0047	ND		0.01	0.005	ND		0.011	0.0053	ND		0.0087	0.0042
Acrylonitrile		ND		0.0038	0.0011	ND		0.0044	0.0013	ND		0.0042	0.0012	ND		0.0036	0.001	ND		0.0039	0.0011	ND		0.0042	0.0012	ND		0.0044	0.0012	ND		0.0035	0.001
Benzene	0.06	ND		0.00048	0.00016	ND		0.00056	0.00018	ND		0.00052	0.00017	ND		0.00046	0.00015	ND		0.00049	0.00016	ND		0.00052	0.00017	ND		0.00055	0.00018	ND		0.00044	0.00014
Bromobenzene		ND		0.0019	0.00014	ND		0.0022	0.00016	ND		0.0021	0.00015	ND		0.0018	0.00013	ND		0.002	0.00014	ND		0.0021	0.00015	ND		0.0022	0.00016	ND		0.0017	0.00013
Bromochloromethane		ND		0.0019	0.0002	ND		0.0022	0.00023	ND		0.0021	0.00021	ND		0.0018	0.00019	ND		0.002	0.0002	ND		0.0021	0.00021	ND		0.0022	0.00022	ND		0.0017	0.00018
Bromodichloromethane		ND		0.00048	0.0001	ND		0.00056	0.00012	ND		0.00052	0.00011	ND		0.00046	0.0001	ND		0.00049	0.00011	ND		0.00052	0.00011	ND		0.00055	0.00012	ND		0.00044	0.0001
Bromoform		ND		0.0038	0.00024	ND		0.0044	0.00027	ND		0.0042	0.00026	ND		0.0036	0.00022	ND		0.0039	0.00024	ND		0.0042	0.00026	ND		0.0044	0.00027	ND		0.0035	0.00021
Bromomethane		ND		0.0019	0.00056	ND		0.0022	0.00065	ND		0.0021	0.00061	ND		0.0018	0.00053	ND		0.002	0.00057	ND		0.0021	0.0006	ND		0.0022	0.00064	ND		0.0017	0.00051
Carbon disulfide		ND		0.0096	0.0044	ND		0.011	0.0051	ND		0.01	0.0048	ND		0.0091	0.0042	ND		0.0098	0.0044	ND		0.01	0.0047	ND		0.011	0.005	ND		0.0087	0.004
Carbon tetrachloride	0.76	ND		0.00096	0.00022	ND		0.0011	0.00026	ND		0.001	0.00024	ND		0.00091	0.00021	ND		0.00098	0.00022	ND		0.001	0.00024	ND		0.0011	0.00025	ND		0.00087	0.0002
Chlorobenzene	1.1	ND		0.00048	0.00012	ND		0.00056	0.00014	ND		0.00052	0.00013	ND		0.00046	0.00012	ND		0.00049	0.00012	ND		0.00052	0.00013	ND		0.00055	0.00014	ND		0.00044	0.00011
Chloroethane		ND		0.0019	0.00044	ND		0.0022	0.0005	ND		0.0021	0.00047	ND		0.0018	0.00041	ND		0.002	0.00044	ND		0.0021	0.00047	ND		0.0022	0.00049	ND		0.0017	0.00039
Chloroform	0.37	ND		0.0014	0.00013	ND		0.0017	0.00016	ND		0.0016	0.00015	ND		0.0014	0.00013	ND		0.0015	0.00014	ND		0.0016	0.00014	ND		0.0016	0.00015	ND		0.0013	0.00012
Chloromethane		ND		0.0038	0.0009	ND		0.0044	0.001	ND		0.0042	0.00098	ND		0.0036	0.00085	ND		0.0039	0.00091	ND		0.0042	0.00097	ND		0.0044	0.001	ND		0.0035	0.00081
cis-1,2-Dichloroethene	0.25	ND		0.00096	0.00017	ND		0.0011	0.00019	ND		0.001	0.00018	ND		0.00091	0.00016	ND		0.00098	0.00017	ND		0.001	0.00018	ND		0.0011	0.00019	ND		0.00087	0.00015
cis-1,3-Dichloropropene		ND		0.00048	0.00015	ND		0.00056	0.00018	ND		0.00052	0.00016	ND		0.00046	0.00014	ND		0.00049	0.00015	ND		0.00052	0.00016	ND		0.00055	0.00017	ND		0.00044	0.00014
Dibromochloromethane		ND		0.00096	0.00013	ND		0.0011	0.00016	ND		0.001	0.00015	ND		0.00091	0.00013	ND		0.00098	0.00014	ND		0.001	0.00014	ND		0.0011	0.00015	ND		0.00087	0.00012
Dibromomethane		ND		0.0019	0.00023	ND		0.0022	0.00026	ND		0.0021	0.00025	ND		0.0018	0.00022	ND		0.002	0.00023	ND		0.0021	0.00025	ND		0.0022	0.00026	ND		0.0017	0.00021
Dichlorodifluoromethane		ND		0.0096	0.00088	ND		0.011	0.001	ND		0.01	0.00096	ND		0.0091	0.00084	ND		0.0098	0.0009	ND		0.01	0.00095	ND		0.011	0.001	ND		0.0087	0.0008
Ethyl ether		ND		0.0019	0.00033	ND		0.0022	0.00038	ND		0.0021	0.00036	ND		0.0018	0.00031	ND		0.002	0.00033	ND		0.0021	0.00035	ND		0.0022	0.00037	ND		0.0017	0.0003
Ethylbenzene	1	0.00034	J	0.00096	0.00014	ND		0.0011	0.00016	ND		0.001	0.00015	ND		0.00091	0.00013	ND		0.00098	0.00014	ND		0.001	0.00015	ND		0.0011	0.00015	ND		0.00087	0.00012
Hexachlorobutadiene		ND		0.0038	0.00016	ND		0.0044	0.00019	ND		0.0042	0.00018	ND		0.0036	0.00015	ND		0.0039	0.00016	ND		0.0042	0.00018	ND		0.0044	0.00018	ND		0.0035	0.00015
Isopropylbenzene		0.0012		0.00096	0.0001	ND		0.0011	0.00012	ND		0.001	0.00011	ND		0.00091	0.0001	ND		0.00098	0.00011	ND		0.001	0.00011	ND		0.0011	0.00012	ND		0.00087	0.0001
Methyl tert butyl ether	0.93	ND		0.0019	0.00019	ND		0.0022	0.00022	ND		0.0021	0.00021	ND		0.0018	0.00018	ND		0.002	0.0002	ND		0.0021	0.00021	ND		0.0022	0.00022	ND		0.0017	0.00018
Methylene chloride	0.05	ND		0.0048	0.0022	ND		0.0056	0.0026	ND		0.0052	0.0024	ND		0.0046	0.0021	ND		0.0049	0.0022	ND		0.0052	0.0024	ND		0.0055	0.0025	ND		0.0044	0.002
n-Butylbenzene	12	0.0018		0.00096	0.00016	ND		0.0011	0.00019	ND		0.001	0.00018	ND		0.00091	0.00015	0.00039	J	0.00098	0.00016	ND		0.001	0.00017	ND		0.0011	0.00018	ND		0.00087	0.00014
n-Propylbenzene	3.9	0.0032		0.00096	0.00016	0.00028	J	0.0011	0.00019	ND		0.001	0.00018	ND		0.00091	0.00016	0.00065	J	0.00098	0.00017	ND		0.001	0.00018	ND		0.0011	0.00019	ND		0.00087	0.00015
Naphthalene	12	0.0044		0.0038	0.00063	ND		0.0044	0.00072	ND		0.0042	0.00068	ND		0.0036	0.00059	ND		0.0039	0.00064	ND		0.0042	0.00068	ND		0.0044	0.00071	ND		0.0035	0.00057
o-Chlorotoluene		ND		0.0019	0.00018	ND		0.0022	0.00021	ND		0.0021	0.0002	ND		0.0018	0.00017	ND		0.002	0.00019	ND		0.0021	0.0002	ND		0.0022	0.00021	ND		0.0017	0.00017
o-Xylene		ND		0.00096	0.00028	ND		0.0011	0.00032	ND		0.001	0.0003	ND		0.00091	0.00027	ND		0.00098	0.00028	ND		0.001	0.0003	ND		0.0011	0.00032	ND		0.00087	0.00025
p-Chlorotoluene		ND		0.0019	0.0001	ND		0.0022	0.00012	ND		0.0021	0.00011	ND		0.0018	0.0001	ND		0.002	0.0001	ND		0.0021	0.00011	ND		0.0022	0.00012	ND		0.0017	0.00009
p-Diethylbenzene		0.001	J	0.0019	0.00017	ND		0.0022	0.0002	ND		0.0021	0.00018	ND		0.0018	0.00016	0.00038	J	0.002	0.00017	ND		0.0021	0.00018	ND		0.0022	0.00019	ND		0.0017	0.00015
p-Ethyltoluene		ND		0.0019	0.00037	ND		0.0022	0.00043	ND		0.0021	0.0004	ND		0.0018	0.00035	ND		0.002	0.00038	ND		0.0021	0.0004	ND		0.0022	0.00042	ND		0.0017	0.00034
p-Isopropyltoluene		ND		0.00096	0.0001	ND		0.0011	0.00012	ND		0.001	0.00011	ND		0.00091	0.0001	ND		0.00098	0.00011	ND		0.001	0.00011	ND		0.0011	0.00012	ND		0.00087	0.0001
p/m-Xylene		ND		0.0019	0.00054	ND		0.0022	0.00062	ND		0.0021	0.00059	ND		0.0018	0.00051	ND		0.002	0.00055	ND		0.0021	0.00058	ND		0.0022	0.00061	ND		0.0017	0.00049
sec-Butylbenzene	11	0.00099		0.00096	0.00014	ND		0.0011	0.00016	ND		0.001	0.00015	ND		0.00091	0.00013	ND		0.00098	0.00014	ND		0.001	0.00015	ND		0.0011	0.00016	ND		0.00087	0.00013
Styrene		ND		0.00096	0.00019	ND		0.0011	0.00022	ND		0.001	0.0002	ND		0.00091	0.00018	ND		0.00098	0.00019	ND		0.001	0.0002	ND		0.0011	0.00021	ND		0.00087	0.00017
tert-Butylbenzene	5.9	ND		0.0019	0.00011	ND		0.0022	0.00013	ND		0.0021	0.00012	ND		0.0018	0.00011	ND		0.002	0.00012	ND		0.0021	0.00012	ND		0.0022	0.00013	ND		0.0017	0.0001
Tetrachloroethene	1.3	ND		0.00048	0.00019	ND		0.00056	0.00022	ND		0.00052	0.0002	ND		0.00046	0.00018	ND		0.00049	0.00019	ND		0.00052	0.0002	ND		0.00055	0.00021	ND		0.00044	0.00017

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RI-SB-05												RI-SB-06												RI-S							
Client Sample ID:		RI-SB-05 (9-9.5)				DUP_20230914				RI-SB-05 (14.5-15)				RI-SB-06 (1-1.5)				RI-SB-06 (7-7.5)				RI-SB-06 (14.5-15)				RI-SB-07 (4.5-5)				RI-SB-07 (5.5-6)			
Lab Sample ID:		L2353845-07				L2353845-03				L2353845-08				L2353482-09				L2353482-10				L2353482-11				L2354249-14				L2354249-15			
Date Sampled:		9/14/2023				9/14/2023				9/14/2023				9/13/2023				9/13/2023				9/13/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):		9-9.5'								14.5-15'				1-1.5'				7-7.5'				14.5-15'				4.5-5'				5.5-6'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Toluene	0.7	ND		0.00096	0.00052	ND		0.0011	0.0006	ND		0.001	0.00057	ND		0.00091	0.0005	ND		0.00098	0.00053	ND		0.001	0.00056	ND		0.0011	0.00059	0.0006	J	0.00087	0.00047
trans-1,2-Dichloroethene	0.19	ND		0.0014	0.00013	ND		0.0017	0.00015	ND		0.0016	0.00014	ND		0.0014	0.00012	ND		0.0015	0.00013	ND		0.0016	0.00014	ND		0.0016	0.00015	ND		0.0013	0.00012
trans-1,3-Dichloropropene		ND		0.00096	0.00026	ND		0.0011	0.0003	ND		0.001	0.00029	ND		0.00091	0.00025	ND		0.00098	0.00027	ND		0.001	0.00028	ND		0.0011	0.0003	ND		0.00087	0.00024
trans-1,4-Dichloro-2-butene		ND		0.0048	0.0014	ND		0.0056	0.0016	ND		0.0052	0.0015	ND		0.0046	0.0013	ND		0.0049	0.0014	ND		0.0052	0.0015	ND		0.0055	0.0016	ND		0.0044	0.0012
Trichloroethene	0.47	ND		0.00048	0.00013	ND		0.00056	0.00015	ND		0.00052	0.00014	ND		0.00046	0.00012	ND		0.00049	0.00013	ND		0.00052	0.00014	ND		0.00055	0.00015	ND		0.00044	0.00012
Trichlorofluoromethane		ND		0.0038	0.00067	ND		0.0044	0.00077	ND		0.0042	0.00073	ND		0.0036	0.00064	ND		0.0039	0.00068	ND		0.0042	0.00072	ND		0.0044	0.00076	ND		0.0035	0.00061
Vinyl acetate		ND		0.0096	0.0021	ND		0.011	0.0024	ND		0.01	0.0022	ND		0.0091	0.002	ND		0.0098	0.0021	ND		0.01	0.0022	ND		0.011	0.0024	ND		0.0087	0.0019
Vinyl chloride	0.02	ND		0.00096	0.00032	ND		0.0011	0.00037	ND		0.001	0.00035	ND		0.00091	0.00031	ND		0.00098	0.00033	ND		0.001	0.00035	ND		0.0011	0.00037	ND		0.00087	0.00029
Xylenes, Total	0.26	ND		0.00096	0.00028	ND		0.0011	0.00032	ND		0.001	0.0003	ND		0.00091	0.00027	ND		0.00098	0.00028	ND		0.001	0.0003	ND		0.0011	0.00032	ND		0.00087	0.00025
Total VOCs		0.05393	-	-	-	0.02634	-	-	-	0.0081	-	-	-	0.0232	-	-	-	0.03696	-	-	-	-	-	-	-	-	-	-	-	0.0006	-	-	-
Volatile Organic Compounds - TIC (mg/kg)																																	
1-Propene, 2-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Butane, 2-Methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Cyclohexane, methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Cyclopentane, Methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Cyclotrisiloxane, Hexamethyl-		0.00441	NJ	0	0	0.00298	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Decane, 4-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Heptane		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Heptane, 2-methyl-		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Heptane, 3-methyl-		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Hexane, 2,2,4-trimethyl-		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Hexane, 2,5-dimethyl-		0.00456	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 2-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 3-methyl-		0.00426	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Indane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
n-Hexane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
No Tentatively Identified Compounds		-		-	-	-		-	-	ND		0	0	-		-	-	-		-	-	ND		0	0	-		-	-	-		-	-
Nonane (C9)		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Nonane, 4-methyl-		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Octane		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Octane, 2,6-dimethyl-		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Octane, 3-methyl-		0.0042	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3,3-trimethyl-		0.028	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3,4-trimethyl-		0.0164	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3-dimethyl-		0.00448	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 3-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.00603	J	0	0	0.00444	J	0	0
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		0.00417	J	0	0	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Alkane		0.00393	J	0	0	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Alkane		0.0108	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		0.00585	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		0.00591	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		0.0248	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	0.00192	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Aromatic		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic		-		-	-	-		-	-	-		-	-	-		-	-	0.00315	J	0	0	-		-	-	-		-	-	-		-	-
Unknown Aromatic		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		0.00536	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Cycloalkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Cyclohexane		0.00375	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		0.131	J	0	0	0.00298	J	0	0	-		-	-	0.00192	J	0	0	0.00315	J	0	0	-		-	-	0.00603	J	0	0	0.00444	J	0	0
Perfluorinated Alkyl Acids (ug/kg)																																	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		ND		0.000541	0.000311	ND		0.000554	0.000318	ND		0.000564	0.000324	ND		0.000532	0.000305	ND		0.000534	0.000306	ND		0.000539	0.000309	ND		0.000487	0.000279	ND		0.000485	0.000278
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		ND		0.000541	0.000194	ND		0.000554	0.000199	ND		0.000564	0.000202	ND		0.000532	0.000191	ND		0.000534	0.000192	ND		0.000539	0.000194	ND		0.000487	0.000175	ND		0.000485	0.000174

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-05										RI-SB-06												RI-S			
Client Sample ID:		RI-SB-05 (9-9.5)				DUP_20230914				RI-SB-05 (14.5-15)			RI-SB-06 (1-1.5)				RI-SB-06 (7-7.5)				RI-SB-06 (14.5-15)				RI-SB-07 (4.5-5)				RI-SB-07 (5.5-6)			
Lab Sample ID:		L2353845-07				L2353845-03				L2353845-08			L2353482-09				L2353482-10				L2353482-11				L2354249-14				L2354249-15			
Date Sampled:	USCO	9/14/2023				9/14/2023				9/14/2023			9/13/2023				9/13/2023				9/13/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):		9-9.5'								14.5-15'			1-1.5'				7-7.5'				14.5-15'				4.5-5'				5.5-6'			
Matrix:		SOIL				SOIL				SOIL			SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		ND		0.000541	0.000092	ND		0.000554	0.000094	ND		0.000564	0.000095	ND		0.000532	0.00009	ND		0.000534	0.00009	ND		0.000539	0.000091	ND		0.000487	0.000082	ND		0.000485	0.000082
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		ND		0.000541	0.000218	ND		0.000554	0.000223	ND		0.000564	0.000227	ND		0.000532	0.000214	ND		0.000534	0.000215	ND		0.000539	0.000217	ND		0.000487	0.000196	ND		0.000485	0.000195
Perfluorobutanesulfonic Acid (PFBS)		ND		0.000271	0.000042	ND		0.000277	0.000043	ND		0.000282	0.000044	ND		0.000266	0.000042	ND		0.000267	0.000042	ND		0.00027	0.000042	ND		0.000243	0.000038	ND		0.000242	0.000038
Perfluorobutanoic Acid (PFBA)		ND		0.000541	0.000025	ND		0.000554	0.000025	ND		0.000564	0.000026	ND		0.000532	0.000024	ND		0.000534	0.000024	ND		0.000539	0.000025	ND		0.000487	0.000022	ND		0.000485	0.000022
Perfluorodecanesulfonic Acid (PFDS)		ND		0.000541	0.000166	ND		0.000554	0.000169	ND		0.000564	0.000172	ND		0.000532	0.000163	ND		0.000534	0.000163	ND		0.000539	0.000165	ND		0.000487	0.000149	ND		0.000485	0.000148
Perfluorodecanoic Acid (PFDA)		ND		0.000271	0.000073	ND		0.000277	0.000074	ND		0.000282	0.000076	ND		0.000266	0.000071	ND		0.000267	0.000072	ND		0.00027	0.000072	ND		0.000243	0.000065	ND		0.000242	0.000065
Perfluorododecanoic Acid (PFDoA)		ND		0.000541	0.000076	ND		0.000554	0.000078	ND		0.000564	0.000079	ND		0.000532	0.000075	ND		0.000534	0.000075	ND		0.000539	0.000076	ND		0.000487	0.000068	ND		0.000485	0.000068
Perfluoroheptanesulfonic Acid (PFHpS)		ND		0.000541	0.000148	ND		0.000554	0.000151	ND		0.000564	0.000154	ND		0.000532	0.000145	ND		0.000534	0.000146	ND		0.000539	0.000147	ND		0.000487	0.000133	ND		0.000485	0.000132
Perfluoroheptanoic Acid (PFHpA)		ND		0.000271	0.000049	ND		0.000277	0.00005	ND		0.000282	0.000051	ND		0.000266	0.000048	ND		0.000267	0.000048	ND		0.00027	0.000049	ND		0.000243	0.000044	ND		0.000242	0.000044
Perfluorohexanesulfonic Acid (PFHxS)		ND		0.000271	0.000066	ND		0.000277	0.000067	ND		0.000282	0.000068	ND		0.000266	0.000064	ND		0.000267	0.000065	ND		0.00027	0.000065	ND		0.000243	0.000059	ND		0.000242	0.000059
Perfluorohexanoic Acid (PFHxA)		ND		0.000541	0.000057	ND		0.000554	0.000058	ND		0.000564	0.000059	ND		0.000532	0.000056	ND		0.000534	0.000056	ND		0.000539	0.000057	ND		0.000487	0.000051	ND		0.000485	0.000051
Perfluorononanoic Acid (PFNA)		ND		0.000271	0.000081	ND		0.000277	0.000083	ND		0.000282	0.000085	ND		0.000266	0.00008	ND		0.000267	0.00008	ND		0.00027	0.000081	ND		0.000243	0.000073	ND		0.000242	0.000073
Perfluorooctanesulfonamide (FOSA)		ND		0.000541	0.000106	ND		0.000554	0.000108	ND		0.000564	0.00011	ND		0.000532	0.000104	ND		0.000534	0.000105	ND		0.000539	0.000106	ND		0.000487	0.000095	ND		0.000485	0.000095
Perfluorooctanesulfonic Acid (PFOS)	0.88	ND		0.000271	0.000141	ND		0.000277	0.000144	ND		0.000282	0.000146	ND		0.000266	0.000138	ND		0.000267	0.000139	ND		0.00027	0.00014	ND		0.000243	0.000126	ND		0.000242	0.000126
Perfluorooctanoic Acid (PFOA)	0.66	ND		0.000271	0.000045	ND		0.000277	0.000046	ND		0.000282	0.000047	ND		0.000266	0.000045	ND		0.000267	0.000045	ND		0.00027	0.000045	ND		0.000243	0.000041	ND		0.000242	0.000041
Perfluoropentanoic Acid (PFPeA)		ND		0.000541	0.00005	ND		0.000554	0.000051	ND		0.000564	0.000052	ND		0.000532	0.000049	ND		0.000534	0.000049	ND		0.000539	0.00005	ND		0.000487	0.000045	ND		0.000485	0.000045
Perfluorotetradecanoic Acid (PFTA)		ND		0.000541	0.000059	ND		0.000554	0.00006	ND		0.000564	0.000061	ND		0.000532	0.000058	ND		0.000534	0.000058	ND		0.000539	0.000058	ND		0.000487	0.000053	ND		0.000485	0.000052
Perfluorotridecanoic Acid (PFTrDA)		ND		0.000541	0.000221	ND		0.000554	0.000226	ND		0.000564	0.000231	ND		0.000532	0.000218	ND		0.000534	0.000218	ND		0.000539	0.00022	ND		0.000487	0.000199	ND		0.000485	0.000198
Perfluoroundecanoic Acid (PFUnA)		ND		0.000541	0.000051	ND		0.000554	0.000052	ND		0.000564	0.000053	ND		0.000532	0.00005	ND		0.000534	0.00005	ND		0.000539	0.000051	ND		0.000487	0.000046	ND		0.000485	0.000045
PFOA/PFOS, Total		ND		0.000271	0.000045	ND		0.000277	0.000046	ND		0.000282	0.000047	ND		0.000266	0.000045	ND		0.000267	0.000045	ND		0.00027	0.000045	ND		0.000243	0.000041	ND		0.000242	0.000041
Semi-Volatile Organic Compounds (mg/kg)																																	
1,2,4,5-Tetrachlorobenzene		ND		0.18	0.018	ND		0.18	0.019	ND		0.19	0.02	ND		0.17	0.018	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019
1,2,4-Trichlorobenzene		ND		0.18	0.02	ND		0.18	0.021	ND		0.19	0.022	ND		0.17	0.02	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.021	ND		0.18	0.021
1,2-Dichlorobenzene	1.1	ND		0.18	0.032	ND		0.18	0.032	ND		0.19	0.034	ND		0.17	0.031	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.033
1,3-Dichlorobenzene	2.4	ND		0.18	0.03	ND		0.18	0.031	ND		0.19	0.032	ND		0.17	0.03	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.032	ND		0.18	0.032
1,4-Dichlorobenzene	1.8	ND		0.18	0.031	ND		0.18	0.032	ND		0.19	0.033	ND		0.17	0.03	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.032	ND		0.18	0.032
1,4-Dioxane	0.1	ND		0.027	0.0082	ND		0.027	0.0083	ND		0.028	0.0086	ND		0.026	0.008	ND		0.027	0.0082	ND		0.027	0.0082	ND		0.027	0.0084	ND		0.028	0.0085
2,4,5-Trichlorophenol		ND		0.18	0.034	ND		0.18	0.035	ND		0.19	0.036	ND		0.17	0.033	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.036
2,4,6-Trichlorophenol		ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.036	ND		0.1	0.033	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.035	ND		0.11	0.035
2,4-Dichlorophenol		ND		0.16	0.028	ND		0.16	0.029	ND		0.17	0.03	ND		0.16	0.028	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.17	0.03
2,4-Dimethylphenol		ND		0.18	0.059	ND		0.18	0.06	ND		0.19	0.062	ND		0.17	0.058	ND		0.18	0.059	ND		0.18	0.059	ND		0.18	0.06	ND		0.18	0.061
2,4-Dinitrophenol		ND		0.85	0.083	ND		0.87	0.084	ND		0.9	0.088	ND		0.84	0.081	ND		0.86	0.083	ND		0.86	0.083	ND		0.88	0.085	ND		0.89	0.086
2,4-Dinitrotoluene		ND		0.18	0.036	ND		0.18	0.036	ND		0.19	0.038	ND		0.17	0.035	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.037	ND		0.18	0.037
2,6-Dinitrotoluene		ND		0.18	0.03	ND		0.18	0.031	ND		0.19	0.032	ND		0.17	0.03	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.032
2-Chloronaphthalene		ND		0.18	0.018	ND		0.18	0.018	ND		0.19	0.019	ND		0.17	0.017	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018
2-Chlorophenol		ND		0.18	0.021	ND		0.18	0.021	ND		0.19	0.022	ND		0.17	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.022	ND		0.18	0.022
2-Methylnaphthalene		ND		0.21	0.021	ND		0.22	0.022	ND		0.22	0.023	ND		0.21	0.021	0.041	J	0.21	0.022	ND		0.21	0.022	ND		0.22	0.022	ND		0.22	0.022
2-Methylphenol	0.33	ND		0.18	0.028	ND		0.18	0.028	ND		0.19	0.029	ND		0.17	0.027	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.029
2-Nitroaniline		ND		0.18	0.034	ND		0.18	0.035	ND		0.19	0.036	ND		0.17	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.036
2-Nitrophenol		ND		0.38	0.067	ND		0.39	0.068	ND		0.4	0.071	ND		0.38	0.066	ND		0.38	0.067	ND		0.38	0.067	ND		0.4	0.069	ND		0.4	0.07
3,3'-Dichlorobenzidine		ND		0.18	0.047	ND		0.18	0.048	ND		0.19	0.05	ND		0.17	0.046	ND		0.18	0.047	ND		0.18	0.047	ND		0.18	0.049	ND		0.18	0.049
3-Methylphenol/4-Methylphenol	0.33	ND		0.26	0.028	ND		0.26	0.028	ND		0.27	0.029	ND		0.25	0.027	ND		0.26	0.028	ND		0.26	0.028	ND		0.26	0.029	ND		0.27	0.029
3-Nitroaniline		ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.035	ND		0.17	0.033	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035
4,6-Dinitro-o-cresol		ND		0.46	0.085	ND		0.47	0.087	ND		0.49	0.09	ND		0.45	0.084	ND		0.46	0.086	ND		0.46	0.086	ND		0.48	0.088	ND		0.48	0.089
4-Bromophenyl phenyl ether		ND		0.18	0.027	ND		0.18	0.028	ND		0.19	0.029	ND		0.17	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.028
4-Chloroaniline		ND		0.18	0.032	ND		0.18	0.033	ND		0.19	0.034	ND		0.17	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.034
4-Chlorophenyl phenyl ether		ND		0.18	0.019	ND		0.18	0.019	ND		0.19	0.02	ND		0.17	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.02	ND		0.18	0.02
4-Nitroaniline		ND		0.18	0.074	ND		0.18	0.075	ND		0.19	0.078	ND		0.17	0.072	ND		0.18	0.074	ND		0.18	0.074	ND		0.18	0.076	ND		0.18	0.077
4-Nitrophenol		ND		0.25	0.072	ND		0.25	0.074	ND		0.26	0.077	ND		0.24	0.071	ND		0.25	0.073	ND		0.25	0.073	ND		0.26	0.075	ND		0.26	0.076
Acenaphthene	20	ND		0.14	0.018	ND		0.14	0.019	ND		0.15	0.019	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.018	ND		0.15	0.019	ND		0.15	0.019
Acenaphthylene	100	ND		0.14	0.027	ND		0.14	0.028	ND		0.15	0.029	ND		0.14	0.027	ND		0.14	0.028	ND		0.14	0.028	ND		0.15	0.028	ND		0.15	0.029
Acetophenone		ND		0.18	0.022	ND		0.18	0.022	ND		0.19	0.023	ND		0.17	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.023	ND		0.18	0.023
Anthracene	100	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.037	ND		0.1	0.034	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.036	ND		0.11	0.036
Benzo(a)anthracene	1	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021	ND		0.1	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.021
Benzo(a)pyrene	1	ND		0.14	0.043	ND		0.14	0.044	ND		0.15	0.046	ND		0.14	0.042	ND		0.14	0.044	ND		0.14	0.044	ND		0.15	0.045	ND		0.15	0.045
Benzo(b)fluoranthene	1	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.032	ND		0.1	0.029	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.031	ND		0.11	0.031
Benzo(ghi)perylene	100	ND		0.14	0.021	ND		0.14	0.021	ND		0.15	0.022	ND		0.14	0.02	ND		0.14	0.021	ND		0.14	0.021	ND		0.15	0.022	ND		0.15	0.022
Benzo(k)fluoranthene	0.8	ND		0.11	0.028	ND		0.11	0.029	ND		0.11	0.03	ND		0.1	0.028	ND		0.11	0.028	ND		0.11	0.028	ND		0.11	0.029	ND		0.11	0.03
Benzoic Acid		ND		0.58	0.18	ND		0.59	0.18	ND		0.61	0.19	ND		0.56	0.18	ND		0.58	0.18	ND		0.58	0.18	ND		0.59	0.18	ND		0.6	0.19
Benzyl Alcohol		ND		0.18	0.054	ND		0.18	0.056	ND		0.19	0.058	ND		0.17	0.053	ND		0.18	0.054	ND		0.18	0.054	ND		0.18	0.056	ND		0.18	0.057
Biphenyl		ND		0.4	0.023	ND		0.41	0.024	ND		0.43	0.024	ND		0.4	0.023	ND		0.41	0.023	ND		0.41	0.023	ND		0.42	0.024	ND		0.42	0.024
Bis(2-chloroethoxy)methane		ND		0.19	0.018	ND		0.2	0.018	ND		0.2	0.019	ND		0.19	0.017	ND		0.19	0.018	ND		0.19	0.018	ND		0.2	0.018	ND		0.2	0.018
Bis(2-chloroethyl)ether		ND		0.16	0.024	ND		0.16	0.025	ND		0.17	0.025	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.025	ND		0.17	0.025
Bis(2-chloroisopropyl)ether		ND		0.21	0.03	ND		0.22	0.031	ND		0.22	0.032	ND		0.21	0.03	ND		0.21	0.03	ND		0.21	0.03	ND		0.22	0.031	ND		0.22	0.032
Bis(2-ethylhexyl)phthalate		ND		0.18	0.061	ND		0.18	0.063	ND		0.19	0.065	0.087	J	0.17	0.06	ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.063	ND		0.18	0.064
Butyl benzyl phthalate		ND		0.18	0.045	ND		0.18	0.046	ND		0.19	0.047	ND		0.17	0.044	ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.046	ND		0.18	0.047
Carbazole		ND		0.18	0.017	ND		0.18	0.018	ND		0.19	0.018	ND		0.17	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.18	0.018
Chrysene	1	ND		0.11	0.018	ND		0.11	0.019	ND		0.11	0.02	ND		0.1	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.019	ND		0.11	0.019
Di-n-butylphthalate		ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.036	ND		0.17	0.033	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.035

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RI-SB-05												RI-SB-06			
Client Sample ID:		RI-SB-05 (9-9.5)				DUP_20230914				RI-SB-05 (14.5-15)				RI-SB-06 (1-1.5)			
Lab Sample ID:		L2353845-07				L2353845-03				L2353845-08				L2353482-09			
Date Sampled:		9/14/2023				9/14/2023				9/14/2023				9/13/2023			
Sample Depth (ft bgs):		9-9.5'								14.5-15'				1-1.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate		ND		0.18	0.06	ND		0.18	0.062	ND		0.19	0.064	ND		0.17	0.059
Dibenzo(a,h)anthracene	0.33	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.022	ND		0.1	0.02
Dibenzofuran	7	ND		0.18	0.017	ND		0.18	0.017	ND		0.19	0.018	ND		0.17	0.016
Diethyl phthalate		ND		0.18	0.016	ND		0.18	0.017	ND		0.19	0.017	ND		0.17	0.016
Dimethyl phthalate		ND		0.18	0.037	ND		0.18	0.038	ND		0.19	0.039	ND		0.17	0.037
Fluoranthene	100	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.022	ND		0.1	0.02
Fluorene	30	ND		0.18	0.017	ND		0.18	0.018	ND		0.19	0.018	ND		0.17	0.017
Hexachlorobenzene	0.33	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021	ND		0.1	0.02
Hexachlorobutadiene		ND		0.18	0.026	ND		0.18	0.026	ND		0.19	0.028	ND		0.17	0.026
Hexachlorocyclopentadiene		ND		0.51	0.16	ND		0.52	0.16	ND		0.54	0.17	ND		0.5	0.16
Hexachloroethane		ND		0.14	0.029	ND		0.14	0.029	ND		0.15	0.03	ND		0.14	0.028
Indeno(1,2,3-cd)pyrene	0.5	ND		0.14	0.025	ND		0.14	0.025	ND		0.15	0.026	ND		0.14	0.024
Isophorone		ND		0.16	0.023	ND		0.16	0.024	ND		0.17	0.024	ND		0.16	0.023
n-Nitrosodi-n-propylamine		ND		0.18	0.027	ND		0.18	0.028	ND		0.19	0.029	ND		0.17	0.027
Naphthalene	12	ND		0.18	0.022	ND		0.18	0.022	ND		0.19	0.023	ND		0.17	0.021
NDPA/DPA		ND		0.14	0.02	ND		0.14	0.021	ND		0.15	0.021	ND		0.14	0.02
Nitrobenzene		ND		0.16	0.026	ND		0.16	0.027	ND		0.17	0.028	ND		0.16	0.026
p-Chloro-m-cresol		ND		0.18	0.026	ND		0.18	0.027	ND		0.19	0.028	ND		0.17	0.026
Pentachlorophenol	0.8	ND		0.14	0.039	ND		0.14	0.04	ND		0.15	0.041	ND		0.14	0.038
Phenanthrene	100	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.023	ND		0.1	0.021
Phenol	0.33	ND		0.18	0.027	ND		0.18	0.027	ND		0.19	0.028	ND		0.17	0.026
Pyrene	100	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.019	ND		0.1	0.017
Total SVOCs		-	-	-	-	-	-	-	-	-	-	-	-	0.087	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																	
Benzene, Propyl-		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Indane		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
No Tentatively Identified Compounds		ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Indene		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		-		-	-	-		-	-	-		-	-	-		-	-
Pesticides (mg/kg)																	
4,4'-DDD	0.0033	ND		0.00171	0.000611	ND		0.00178	0.000636	ND		0.00182	0.000648	ND		0.00163	0.000582
4,4'-DDE	0.0033	ND		0.00171	0.000396	ND		0.00178	0.000412	ND		0.00182	0.00042	ND		0.00163	0.000377
4,4'-DDT	0.0033	ND		0.00171	0.00138	ND		0.00178	0.00143	ND		0.00182	0.00146	ND		0.00163	0.00131
Aldrin	0.005	ND		0.00171	0.000603	ND		0.00178	0.000627	ND		0.00182	0.00064	ND		0.00163	0.000574
Alpha-BHC	0.02	ND		0.000714	0.000203	ND		0.000742	0.000211	ND		0.000757	0.000215	ND		0.000679	0.000193
Beta-BHC	0.036	ND		0.00171	0.00065	ND		0.00178	0.000676	ND		0.00182	0.000689	ND		0.00163	0.000618
Chlordane		ND		0.0143	0.00568	ND		0.0148	0.0059	ND		0.0151	0.00602	ND		0.0136	0.0054
cis-Chlordane	0.094	ND		0.00214	0.000597	ND		0.00223	0.000621	ND		0.00227	0.000633	ND		0.00204	0.000568
Delta-BHC	0.04	ND		0.00171	0.000336	ND		0.00178	0.000349	ND		0.00182	0.000356	ND		0.00163	0.000319
Dieldrin	0.005	ND		0.00107	0.000536	ND		0.00111	0.000557	ND		0.00114	0.000568	ND		0.00102	0.00051
Endosulfan I	2.4	ND		0.00171	0.000405	ND		0.00178	0.000421	ND		0.00182	0.000429	ND		0.00163	0.000385
Endosulfan II	2.4	ND		0.00171	0.000573	ND		0.00178	0.000596	ND		0.00182	0.000607	ND		0.00163	0.000545
Endosulfan sulfate	2.4	ND		0.000714	0.00034	ND		0.000742	0.000353	ND		0.000757	0.00036	ND		0.000679	0.000323
Endrin	0.014	ND		0.000714	0.000293	ND		0.000742	0.000304	ND		0.000757	0.00031	ND		0.000679	0.000278

Boring ID:	RI-SB-06								RI-S							
Client Sample ID:	RI-SB-06 (7-7.5)				RI-SB-06 (14.5-15)				RI-SB-07 (4.5-5)				RI-SB-07 (5.5-6)			
Lab Sample ID:	L2353482-10				L2353482-11				L2354249-14				L2354249-15			
Date Sampled:	9/13/2023				9/13/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):	7-7.5'				14.5-15'				4.5-5'				5.5-6'			
Matrix:	SOIL				SOIL				SOIL				SOIL			
	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate	ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.062	ND		0.18	0.063
Dibenzo(a,h)anthracene	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021
Dibenzofuran	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018
Diethyl phthalate	ND		0.18	0.016	ND		0.18	0.016	ND		0.18	0.017	ND		0.18	0.017
Dimethyl phthalate	ND		0.18	0.037	ND		0.18	0.037	ND		0.18	0.038	ND		0.18	0.039
Fluoranthene	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.021
Fluorene	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.18	0.018
Hexachlorobenzene	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021
Hexachlorobutadiene	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.027	ND		0.18	0.027
Hexachlorocyclopentadiene	ND		0.51	0.16	ND		0.51	0.16	ND		0.52	0.16	ND		0.53	0.17
Hexachloroethane	ND		0.14	0.029	ND		0.14	0.029	ND		0.15	0.03	ND		0.15	0.03
Indeno(1,2,3-cd)pyrene	ND		0.14	0.025	ND		0.14	0.025	ND		0.15	0.026	ND		0.15	0.026
Isophorone	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.024	ND		0.17	0.024
n-Nitrosodi-n-propylamine	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.029
Naphthalene	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022
NDPA/DPA	ND		0.14	0.02	ND		0.14	0.02	ND		0.15	0.021	ND		0.15	0.021
Nitrobenzene	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.027	ND		0.17	0.027
p-Chloro-m-cresol	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.027	ND		0.18	0.028
Pentachlorophenol	ND		0.14	0.039	ND		0.14	0.039	ND		0.15	0.04	ND		0.15	0.041
Phenanthrene	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022
Phenol	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.028
Pyrene	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018
Total SVOCs	0.041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																
Benzene, Propyl-	-	-	-	-	-	-	-	-	-	-	-	-				
Indane	-	-	-	-	-	-	-	-	-	-	-	-				
No Tentatively Identified Compounds	ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-				
Unknown Indene	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds	-		-	-	-		-	-	-		-	-	-		-	-
Pesticides (mg/kg)																
4,4'-DDD	ND		0.00171	0.000611	ND		0.00167	0.000597	ND		0.00175	0.000625	ND		0.0017	0.000608
4,4'-DDE	ND		0.00171	0.000396	ND		0.00167	0.000387	ND		0.00175	0.000405	ND		0.0017	0.000394
4,4'-DDT	ND		0.00171	0.00138	ND		0.00167	0.00134	ND		0.00175	0.00141	ND		0.0017	0.00137
Aldrin	ND		0.00171	0.000603	ND		0.00167	0.000589	ND		0.00175	0.000617	ND		0.0017	0.0006
Alpha-BHC	ND		0.000714	0.000203	ND		0.000697	0.000198	ND		0.00073	0.000207	ND		0.00071	0.000202
Beta-BHC	ND		0.00171	0.000649	ND		0.00167	0.000635	ND		0.00175	0.000664	ND		0.0017	0.000646
Chlordane	ND		0.0143	0.00567	ND		0.0139	0.00554	ND		0.0146	0.0058	ND		0.0142	0.00565
cis-Chlordane	ND		0.00214	0.000596	ND		0.00209	0.000583	ND		0.00219	0.00061	ND		0.00213	0.000594
Delta-BHC	ND		0.00171	0.000335	ND		0.00167	0.000328	ND		0.00175	0.000343	ND		0.0017	0.000334
Dieldrin	ND		0.00107	0.000535	ND		0.00105	0.000523	ND		0.0011	0.000548	ND		0.00106	0.000533
Endosulfan I	ND		0.00171	0.000404	ND		0.00167	0.000395	ND		0.00175	0.000414	ND		0.0017	0.000403
Endosulfan II	ND		0.00171	0.000572	ND		0.00167	0.000559	ND		0.00175	0.000585	ND		0.0017	0.00057
Endosulfan sulfate	ND		0.000714	0.00034	ND		0.000697	0.000332	ND		0.00073	0.000347	ND		0.00071	0.000338
Endrin	ND		0.000714	0.000292	ND		0.000697	0.000286	ND		0.00073	0.000299	ND		0.00071	0.000291

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-05										RI-SB-06												RI-S			
Client Sample ID:		RI-SB-05 (9-9.5)				DUP_20230914				RI-SB-05 (14.5-15)		RI-SB-06 (1-1.5)				RI-SB-06 (7-7.5)				RI-SB-06 (14.5-15)				RI-SB-07 (4.5-5)				RI-SB-07 (5.5-6)			
Lab Sample ID:		L2353845-07				L2353845-03				L2353845-08		L2353482-09				L2353482-10				L2353482-11				L2354249-14				L2354249-15			
Date Sampled:	USCO	9/14/2023				9/14/2023				9/14/2023		9/13/2023				9/13/2023				9/13/2023				9/15/2023				9/15/2023			
Sample Depth (ft bgs):		9-9.5'								14.5-15'		1-1.5'				7-7.5'				14.5-15'				4.5-5'				5.5-6'			
Matrix:		SOIL				SOIL				SOIL		SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q RL MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Endrin aldehyde		ND		0.00214	0.00075	ND		0.00223	0.00078	ND	0.00227 0.000795	ND		0.00204	0.000713	ND		0.00214	0.000749	ND		0.00209	0.000732	ND		0.00219	0.000766	ND		0.00213	0.000746
Endrin ketone		ND		0.00171	0.000441	ND		0.00178	0.000459	ND	0.00182 0.000468	ND		0.00163	0.00042	ND		0.00171	0.000441	ND		0.00167	0.000431	ND		0.00175	0.000451	ND		0.0017	0.000439
Heptachlor	0.042	ND		0.000857	0.000384	ND		0.000891	0.000399	ND	0.000909 0.000407	ND		0.000815	0.000366	ND		0.000856	0.000384	ND		0.000837	0.000375	ND		0.000876	0.000393	ND		0.000853	0.000382
Heptachlor epoxide		ND		0.00321	0.000964	ND		0.00334	0.001	ND	0.00341 0.00102	ND		0.00306	0.000917	ND		0.00321	0.000963	ND		0.00314	0.000941	ND		0.00328	0.000986	ND		0.0032	0.000959
Lindane	0.1	ND		0.000714	0.000319	ND		0.000742	0.000332	ND	0.000757 0.000338	ND		0.000679	0.000304	ND		0.000714	0.000319	ND		0.000697	0.000312	ND		0.00073	0.000326	ND		0.00071	0.000318
Methoxychlor		ND		0.00321	0.001	ND		0.00334	0.00104	ND	0.00341 0.00106	ND		0.00306	0.000951	ND		0.00321	0.000999	ND		0.00314	0.000976	ND		0.00328	0.00102	ND		0.0032	0.000995
Toxaphene		ND		0.0321	0.009	ND		0.0334	0.00936	ND	0.0341 0.00954	ND		0.0306	0.00856	ND		0.0321	0.00899	ND		0.0314	0.00879	ND		0.0328	0.0092	ND		0.032	0.00895
trans-Chlordane		ND		0.00214	0.000566	ND		0.00223	0.000588	ND	0.00227 0.0006	ND		0.00204	0.000538	ND		0.00214	0.000565	ND		0.00209	0.000552	ND		0.00219	0.000578	ND		0.00213	0.000563
Polychlorinated Biphenyls (mg/kg)																															
Aroclor 1016	0.1	ND		0.0512	0.00455	ND		0.0538	0.00477	ND	0.0547 0.00486	ND		0.0533	0.00473	ND		0.0521	0.00462	ND		0.0535	0.00475	ND		0.0542	0.00482	ND		0.0534	0.00474
Aroclor 1221	0.1	ND		0.0512	0.00514	ND		0.0538	0.00539	ND	0.0547 0.00548	ND		0.0533	0.00534	ND		0.0521	0.00522	ND		0.0535	0.00536	ND		0.0542	0.00543	ND		0.0534	0.00535
Aroclor 1232	0.1	ND		0.0512	0.0109	ND		0.0538	0.0114	ND	0.0547 0.0116	ND		0.0533	0.0113	ND		0.0521	0.011	ND		0.0535	0.0113	ND		0.0542	0.0115	ND		0.0534	0.0113
Aroclor 1242	0.1	ND		0.0512	0.00691	ND		0.0538	0.00725	ND	0.0547 0.00737	ND		0.0533	0.00719	ND		0.0521	0.00702	ND		0.0535	0.00721	ND		0.0542	0.00731	ND		0.0534	0.0072
Aroclor 1248	0.1	ND		0.0512	0.00769	ND		0.0538	0.00806	ND	0.0547 0.0082	ND		0.0533	0.008	ND		0.0521	0.00781	ND		0.0535	0.00802	ND		0.0542	0.00813	ND		0.0534	0.00801
Aroclor 1254	0.1	ND		0.0512	0.00561	ND		0.0538	0.00588	ND	0.0547 0.00598	ND		0.0533	0.00583	ND		0.0521	0.0057	ND		0.0535	0.00585	ND		0.0542	0.00593	ND		0.0534	0.00584
Aroclor 1260	0.1	ND		0.0512	0.00947	ND		0.0538	0.00993	ND	0.0547 0.0101	ND		0.0533	0.00985	ND		0.0521	0.00962	ND		0.0535	0.00988	ND		0.0542	0.01	ND		0.0534	0.00986
Aroclor 1262	0.1	ND		0.0512	0.00651	ND		0.0538	0.00683	ND	0.0547 0.00695	ND		0.0533	0.00677	ND		0.0521	0.00661	ND		0.0535	0.00679	ND		0.0542	0.00689	ND		0.0534	0.00678
Aroclor 1268	0.1	ND		0.0512	0.00531	ND		0.0538	0.00557	ND	0.0547 0.00567	ND		0.0533	0.00552	ND		0.0521	0.0054	ND		0.0535	0.00554	ND		0.0542	0.00562	ND		0.0534	0.00553
PCBs, Total	0.1	ND		0.0512	0.00455	ND		0.0538	0.00477	ND	0.0547 0.00486	ND		0.0533	0.00473	ND		0.0521	0.00462	ND		0.0535	0.00475	ND		0.0542	0.00482	ND		0.0534	0.00474
Total Metals (mg/kg)																															
Aluminum, Total		12900		8.43	2.28	11900		8.58	2.32	13700	8.6 2.32	8980		8.21	2.22	10800		8.25	2.23	14000		8.62	2.33	10600		8.71	2.35	8970		8.8	2.38
Antimony, Total		ND		4.22	0.32	ND		4.29	0.326	ND	4.3 0.327	ND		4.11	0.312	ND		4.12	0.314	ND		4.31	0.328	ND		4.36	0.331	ND		4.4	0.334
Arsenic, Total	13	2.42		0.843	0.175	1.48		0.858	0.178	1.9	0.86 0.179	1.06		0.821	0.171	1.18		0.825	0.172	0.806	J	0.862	0.179	1.24		0.871	0.181	1.11		0.88	0.183
Barium, Total	350	144		0.843	0.147	137		0.858	0.149	158	0.86 0.15	104		0.821	0.143	138		0.825	0.144	157		0.862	0.15	141		0.871	0.152	113		0.88	0.153
Beryllium, Total	7.2	0.403	J	0.422	0.028	0.408	J	0.429	0.028	0.454	0.43 0.028	0.624		0.411	0.027	0.722		0.412	0.027	0.896		0.431	0.028	0.489		0.436	0.029	0.406	J	0.44	0.029
Cadmium, Total	2.5	ND		0.843	0.083	ND		0.858	0.084	ND	0.86 0.084	0.109	J	0.821	0.081	ND		0.825	0.081	ND		0.862	0.085	ND		0.871	0.085	ND		0.88	0.086
Calcium, Total		2340		8.43	2.95	2320		8.58	3	9940	8.6 3.01	2690		8.21	2.88	2570		8.25	2.89	9290		8.62	3.02	5170		8.71	3.05	4240		8.8	3.08
Chromium, Total		22.2		0.843	0.081	21.3		0.858	0.082	24.1	0.86 0.083	31.5		0.821	0.079	20.2		0.825	0.079	24.7		0.862	0.083	19.8		0.871	0.084	17.9		0.88	0.085
Cobalt, Total		7.67		1.69	0.14	7.41		1.72	0.142	7.88	1.72 0.143	7.98		1.64	0.136	8.91		1.65	0.137	11.5		1.72	0.143	9.18		1.74	0.145	7.56		1.76	0.146
Copper, Total	50	17.3		0.843	0.218	16.6		0.858	0.221	20.8	0.86 0.222	31.2		0.821	0.212	14.2		0.825	0.213	21.2		0.862	0.222	13		0.871	0.225	19.3		0.88	0.227
Iron, Total		23000		4.22	0.762	19400		4.29	0.775	22700	4.3 0.777	16400		4.11	0.742	19300		4.12	0.745	23400		4.31	0.778	18400		4.36	0.787	17000		4.4	0.795
Lead, Total	63	7.05		4.22	0.226	5.8		4.29	0.23	9.47	4.3 0.23	9.16		4.11	0.22	3.88	J	4.12	0.221	4.68		4.31	0.231	3.12	J	4.36	0.234	3.36	J	4.4	0.236
Magnesium, Total		5790		8.43	1.3	5150		8.58	1.32	8740	8.6 1.32	4880		8.21	1.26	5340		8.25	1.27	9290		8.62	1.33	6340		8.71	1.34	5620		8.8	1.36
Manganese, Total	1600	251		0.843	0.134	289		0.858	0.136	194	0.86 0.137	208		0.821	0.131	250		0.825	0.131	227		0.862	0.137	224		0.871	0.138	218		0.88	0.14
Mercury, Total	0.18	ND		0.073	0.048	ND		0.08	0.052	ND	0.078 0.051	ND		0.075	0.049	ND		0.072	0.047	ND		0.081	0.053	ND		0.075	0.049	ND		0.081	0.053
Nickel, Total	30	16.6		2.11	0.204	15		2.15	0.208	17.2	2.15 0.208	22.4		2.05	0.199	16.1		2.06	0.2	20.6		2.16	0.209	13.8		2.18	0.211	11.4		2.2	0.213
Potassium, Total		6140		211	12.1	5480		215	12.4	6990	215 12.4	4910		205	11.8	5140		206	11.9	7340		216	12.4	5640		218	12.5	4490		220	12.7
Selenium, Total	3.9	ND		1.69	0.218	ND		1.72	0.221	ND	1.72 0.222	0.215	J	1.64	0.212	ND		1.65	0.213	ND		1.72	0.222	ND		1.74	0.225	ND		1.76	0.227
Silver, Total	2	0.244	J	0.422	0.239	ND		0.429	0.243	ND	0.43 0.243	ND		0.411	0.232	ND		0.412	0.234	ND		0.431	0.244	ND		0.436	0.246	ND		0.44	0.249
Sodium, Total		286		169	2.66	253		172	2.7	150	J 172 2.71	112	J	164	2.59	179		165	2.6	125	J	172	2.72	106	J	174	2.74	112	J	176	2.77
Thallium, Total		4.19		1.69	0.266	3.69		1.72	0.27	4.84	1.72 0.271	0.407	J	1.64	0.259	0.304	J	1.65	0.26	0.582	J	1.72	0.272	ND		1.74	0.274	0.298	J	1.76	0.277
Vanadium, Total		33.1		0.843	0.171	30.6		0.858	0.174	33.4	0.86 0.175	33.1		0.821	0.167	27.8		0.825	0.168	32.6		0.862	0.175	27.2		0.871	0.177	32.3		0.88	0.179
Zinc, Total	109	49.2		4.22	0.247	44.5		4.29	0.252	53	4.3 0.252	92.9		4.11	0.241	45.5		4.12	0.242	57.4		4.31	0.252	43.6		4.36	0.255	39.8		4.4	0.258
General Chemistry																															
Cyanide, Total	27	ND		1	0.21	ND		1	0.22	ND	1 0.22	ND		1	0.22	ND		1	0.22	ND		1.1	0.23	ND		1	0.22	ND		1.1	0.23
Solids, Total (%)		91		0.1	NA	89.6		0.1	NA	87.8	0.1 NA	93.5		0.1	NA	91.6		0.1	NA	90.7		0.1	NA	90.3		0.1	NA	89.3		0.1	NA

Notes:
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
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
Concentration exceeds USCO
Concentration exceeds RRSCO
Reporting Limit exceeds USCO but reported Conc does not

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		B-07								RI-SB-08																			
Client Sample ID:		RI-SB-07 (12.5-13)				RI-SB-07 (18.5-19)				RI-SB-08 (2.5-3)				RI-SB-08 (7-7.5)				RI-SB-08 (10.5-11)				RI-SB-08 (17.5-18)				RI-SB-08 (24-24.5)				RI-SB-08 (26.5-27)			
Lab Sample ID:		L2354249-16				L2354249-17				L2354548-01				L2354548-02				L2354548-03				L2354548-04				L2354548-05				L2354548-06			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023			
Sample Depth (ft bgs):		12.5-13'				18.5-19'				2.5-3'				7-7.5'				10.5-11'				17.5-18'				24-24.5'				26.5-27'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)																																	
1,1,1,2-Tetrachloroethane		ND		0.00053	0.00014	ND		0.00047	0.00012	ND		0.029	0.0077	ND		0.0005	0.00013	ND		0.00049	0.00013	ND		0.00041	0.00011	ND		0.00043	0.00011	ND		0.00047	0.00012
1,1,1-Trichloroethane	0.68	ND		0.00053	0.00018	ND		0.00047	0.00016	ND		0.029	0.0098	ND		0.0005	0.00017	ND		0.00049	0.00016	ND		0.00041	0.00014	ND		0.00043	0.00014	ND		0.00047	0.00016
1,1,2,2-Tetrachloroethane		ND		0.00053	0.00018	ND		0.00047	0.00016	ND		0.029	0.0097	ND		0.0005	0.00017	ND		0.00049	0.00016	ND		0.00041	0.00014	ND		0.00043	0.00014	ND		0.00047	0.00016
1,1,2-Trichloroethane		ND		0.0011	0.00028	ND		0.00093	0.00025	ND		0.059	0.016	ND		0.001	0.00027	ND		0.00097	0.00026	ND		0.00082	0.00022	ND		0.00086	0.00023	ND		0.00094	0.00025
1,1-Dichloroethane	0.27	ND		0.0011	0.00015	ND		0.00093	0.00014	ND		0.059	0.0085	ND		0.001	0.00014	ND		0.00097	0.00014	ND		0.00082	0.00012	ND		0.00086	0.00012	ND		0.00094	0.00014
1,1-Dichloroethene	0.33	ND		0.0011	0.00025	ND		0.00093	0.00022	ND		0.059	0.014	ND		0.001	0.00024	ND		0.00097	0.00023	ND		0.00082	0.0002	ND		0.00086	0.0002	ND		0.00094	0.00022
1,1-Dichloropropene		ND		0.00053	0.00017	ND		0.00047	0.00015	ND		0.029	0.0093	ND		0.0005	0.00016	ND		0.00049	0.00016	ND		0.00041	0.00013	ND		0.00043	0.00014	ND		0.00047	0.00015
1,2,3-Trichlorobenzene		ND		0.0021	0.00034	ND		0.0019	0.0003	ND		0.12	0.019	ND		0.002	0.00032	ND		0.0019	0.00031	ND		0.0016	0.00026	ND		0.0017	0.00028	ND		0.0019	0.0003
1,2,3-Trichloropropane		ND		0.0021	0.00014	ND		0.0019	0.00012	ND		0.12	0.0074	ND		0.002	0.00013	ND		0.0019	0.00012	ND		0.0016	0.0001	ND		0.0017	0.00011	ND		0.0019	0.00012
1,2,4,5-Tetramethylbenzene		ND		0.0021	0.0002	ND		0.0019	0.00018	2.5		0.12	0.011	ND		0.002	0.00019	0.0012	J	0.0019	0.00019	ND		0.0016	0.00016	ND		0.0017	0.00016	ND		0.0019	0.00018
1,2,4-Trichlorobenzene		ND		0.0021	0.00029	ND		0.0019	0.00025	ND		0.12	0.016	ND		0.002	0.00027	ND		0.0019	0.00026	ND		0.0016	0.00022	ND		0.0017	0.00023	ND		0.0019	0.00026
1,2,4-Trimethylbenzene	3.6	ND		0.0021	0.00036	ND		0.0019	0.00031	0.066	J	0.12	0.02	ND		0.002	0.00034	ND		0.0019	0.00032	ND		0.0016	0.00028	ND		0.0017	0.00029	ND		0.0019	0.00032
1,2-Dibromo-3-chloropropane		ND		0.0032	0.0011	ND		0.0028	0.00093	ND		0.18	0.058	ND		0.003	0.001	ND		0.0029	0.00097	ND		0.0025	0.00082	ND		0.0026	0.00086	ND		0.0028	0.00094
1,2-Dibromoethane		ND		0.0011	0.0003	ND		0.00093	0.00026	ND		0.059	0.016	ND		0.001	0.00028	ND		0.00097	0.00027	ND		0.00082	0.00023	ND		0.00086	0.00024	ND		0.00094	0.00026
1,2-Dichlorobenzene	1.1	ND		0.0021	0.00015	ND		0.0019	0.00013	ND		0.12	0.0084	ND		0.002	0.00014	ND		0.0019	0.00014	ND		0.0016	0.00012	ND		0.0017	0.00012	ND		0.0019	0.00014
1,2-Dichloroethane	0.02	ND		0.0011	0.00027	ND		0.00093	0.00024	ND		0.059	0.015	ND		0.001	0.00026	ND		0.00097	0.00025	ND		0.00082	0.00021	ND		0.00086	0.00022	ND		0.00094	0.00024
1,2-Dichloroethene, Total		ND		0.0011	0.00015	ND		0.00093	0.00013	ND		0.059	0.008	ND		0.001	0.00014	ND		0.00097	0.00013	ND		0.00082	0.00011	ND		0.00086	0.00012	ND		0.00094	0.00013
1,2-Dichloropropane		ND		0.0011	0.00013	ND		0.00093	0.00012	ND		0.059	0.0073	ND		0.001	0.00012	ND		0.00097	0.00012	ND		0.00082	0.0001	ND		0.00086	0.00011	ND		0.00094	0.00012
1,3,5-Trimethylbenzene	8.4	ND		0.0021	0.00021	ND		0.0019	0.00018	0.025	J	0.12	0.011	ND		0.002	0.00019	ND		0.0019	0.00019	ND		0.0016	0.00016	ND		0.0017	0.00017	ND		0.0019	0.00018
1,3-Dichlorobenzene	2.4	ND		0.0021	0.00016	ND		0.0019	0.00014	ND		0.12	0.0087	ND		0.002	0.00015	ND		0.0019	0.00014	ND		0.0016	0.00012	ND		0.0017	0.00013	ND		0.0019	0.00014
1,3-Dichloropropane		ND		0.0021	0.00018	ND		0.0019	0.00016	ND		0.12	0.0098	ND		0.002	0.00017	ND		0.0019	0.00016	ND		0.0016	0.00014	ND		0.0017	0.00014	ND		0.0019	0.00016
1,3-Dichloropropene, Total		ND		0.00053	0.00017	ND		0.00047	0.00015	ND		0.029	0.0093	ND		0.0005	0.00016	ND		0.00049	0.00015	ND		0.00041	0.00013	ND		0.00043	0.00014	ND		0.00047	0.00015
1,4-Dichlorobenzene	1.8	ND		0.0021	0.00018	ND		0.0019	0.00016	ND		0.12	0.01	ND		0.002	0.00017	ND		0.0019	0.00017	ND		0.0016	0.00014	ND		0.0017	0.00015	ND		0.0019	0.00016
1,4-Dioxane	0.1	ND		0.085	0.038	ND		0.075	0.033	ND		4.7	2	ND		0.08	0.035	ND		0.078	0.034	ND		0.066	0.029	ND		0.069	0.03	ND		0.076	0.033
2,2-Dichloropropane		ND		0.0021	0.00022	ND		0.0019	0.00019	ND		0.12	0.012	ND		0.002	0.0002	ND		0.0019	0.0002	ND		0.0016	0.00017	ND		0.0017	0.00017	ND		0.0019	0.00019
2-Butanone	0.12	0.0025	J	0.011	0.0024	0.0022	J	0.0093	0.0021	ND		0.59	0.13	0.0029	J	0.01	0.0022	0.0055	J	0.0097	0.0022	ND		0.0082	0.0018	ND		0.0086	0.0019	ND		0.0094	0.0021
2-Hexanone		ND		0.011	0.0013	ND		0.0093	0.0011	ND		0.59	0.069	ND		0.01	0.0012	ND		0.0097	0.0012	ND		0.0082	0.00097	ND		0.0086	0.001	ND		0.0094	0.0011
4-Methyl-2-pentanone		ND		0.011	0.0014	ND		0.0093	0.0012	ND		0.59	0.075	ND		0.01	0.0013	ND		0.0097	0.0012	ND		0.0082	0.001	ND		0.0086	0.0011	ND		0.0094	0.0012
Acetone	0.05	0.0052	J	0.011	0.0051	ND		0.0093	0.0045	ND		0.59	0.28	0.04		0.01	0.0048	0.023		0.0097	0.0047	0.0094		0.0082	0.004	0.0043	J	0.0086	0.0042	0.0084	J	0.0094	0.0045
Acrylonitrile		ND		0.0043	0.0012	ND		0.0037	0.0011	ND		0.23	0.067	ND		0.004	0.0012	ND		0.0039	0.0011	ND		0.0033	0.00095	ND		0.0034	0.00099	ND		0.0038	0.0011
Benzene	0.06	ND		0.00053	0.00018	ND		0.00047	0.00016	0.38		0.029	0.0097	0.001		0.0005	0.00017	0.058		0.00049	0.00016	ND		0.00041	0.00014	ND		0.00043	0.00014	ND		0.00047	0.00016
Bromobenzene		ND		0.0021	0.00015	ND		0.0019	0.00014	ND		0.12	0.0085	ND		0.002	0.00014	ND		0.0019	0.00014	ND		0.0016	0.00012	ND		0.0017	0.00012	ND		0.0019	0.00014
Bromochloromethane		ND		0.0021	0.00022	ND		0.0019	0.00019	ND		0.12	0.012	ND		0.002	0.0002	ND		0.0019	0.0002	ND		0.0016	0.00017	ND		0.0017	0.00018	ND		0.0019	0.00019
Bromodichloromethane		ND		0.00053	0.00012	ND		0.00047	0.0001	ND		0.029	0.0064	ND		0.0005	0.00011	ND		0.00049	0.00011	ND		0.00041	0.00009	ND		0.00043	0.00009	ND		0.00047	0.0001
Bromoform		ND		0.0043	0.00026	ND		0.0037	0.00023	ND		0.23	0.014	ND		0.004	0.00025	ND		0.0039	0.00024	ND		0.0033	0.0002	ND		0.0034	0.00021	ND		0.0038	0.00023
Bromomethane		ND		0.0021	0.00062	ND		0.0019	0.00054	ND		0.12	0.034	ND		0.002	0.00058	ND		0.0019	0.00057	ND		0.0016	0.00048	ND		0.0017	0.0005	ND		0.0019	0.00055
Carbon disulfide		ND		0.011	0.0049	ND		0.0093	0.0042	ND		0.59	0.27	ND		0.01	0.0046	ND		0.0097	0.0044	ND		0.0082	0.0037	ND		0.0086	0.0039	ND		0.0094	0.0043
Carbon tetrachloride	0.76	ND		0.0011	0.00024	ND		0.00093	0.00021	ND		0.059	0.013	ND		0.001	0.00023	ND		0.00097	0.00022	ND		0.00082	0.00019	ND		0.00086	0.0002	ND		0.00094	0.00022
Chlorobenzene	1.1	ND		0.00053	0.00014	ND		0.00047	0.00012	ND		0.029	0.0074	ND		0.0005	0.00013	ND		0.00049	0.00012	ND		0.00041	0.0001	ND		0.00043	0.00011	ND		0.00047	0.00012
Chloroethane		ND		0.0021	0.00048	ND		0.0019	0.00042	ND		0.12	0.026	ND		0.002	0.00045	ND		0.0019	0.00044	ND		0.0016	0.00037	ND		0.0017	0.00039	ND		0.0019	0.00043
Chloroform	0.37	ND		0.0016	0.00015	ND		0.0014	0.00013	ND		0.088	0.0082	ND		0.0015	0.00014	ND		0.0015	0.00014	ND		0.0012	0.00012	ND		0.0013	0.00012	ND		0.0014	0.00013
Chloromethane		ND		0.0043	0.001	ND		0.0037	0.00087	ND		0.23	0.055	ND		0.004	0.00093	ND		0.0039	0.00091	ND		0.0033	0.00077	ND		0.0034	0.0008	ND		0.0038	0.00088
cis-1,2-Dichloroethene	0.25	ND		0.0011	0.00019	ND		0.00093	0.00016	ND		0.059	0.01	ND		0.001	0.00018	ND		0.00097	0.00017	ND		0.00082	0.00014	ND		0.00086	0.00015	ND		0.00094	0.00016
cis-1,3-Dichloropropene		ND		0.00053	0.00017	ND		0.00047	0.00015	ND		0.029	0.0093	ND		0.0005	0.00016	ND		0.00049	0.00015	ND		0.00041	0.00013	ND		0.00043	0.00014	ND		0.00047	0.00015
Dibromochloromethane		ND		0.0011	0.00015	ND		0.00093	0.00013	ND		0.059	0.0082	ND		0.001	0.00014	ND		0.00097	0.00014	ND		0.00082	0.00012	ND		0.00086	0.00012	ND		0.00094	0.00013
Dibromomethane		ND		0.0021	0.00025	ND		0.0019	0.00022	ND		0.12	0.014	ND		0.002	0.00024	ND		0.0019	0.00023	ND		0.0016	0.0002	ND		0.0017	0.0002	ND		0.0019	0.00022
Dichlorodifluoromethane		ND		0.011	0.00098	ND		0.0093	0.00085	ND		0.59	0.054	ND		0.01	0.00092	ND		0.0097	0.00089	ND		0.0082	0.00075	ND		0.0086	0.00079	ND		0.0094	0.00086
Ethyl ether		ND		0.0021	0.00036	ND		0.0019	0.00032	ND		0.12	0.02	ND		0.002	0.00034	ND		0.0019	0.00033	ND		0.0016	0.00028	ND		0.0017	0.00029	ND		0.0019	0.00032
Ethylbenzene	1	ND		0.0011	0.00015	ND		0.00093	0.00013	0.052	J	0.059	0.0083	ND		0.001	0.00014	0.0011		0.00097	0.00014	ND		0.00082	0.00012	ND		0.00086	0.00012	ND		0.00094	0.00013
Hexachlorobutadiene		ND		0.0043	0.00018	ND		0.0037	0.00016	ND		0.23	0.0099	ND		0.004	0.00017	ND		0.0039	0.00016	ND		0.0033	0.00014	ND		0.0034	0.00014	ND		0.0038	0.00016
Isopropylbenzene		ND		0.0011	0.00012	ND		0.00093	0.0001	0.55		0.059	0.0064	ND		0.001	0.00011	0.00067	J	0.00097	0.00011	ND		0.00082	0.00009	ND		0.00086	0.00009	ND		0.00094	0.0001
Methyl tert butyl ether	0.93	ND		0.0021	0.00021	ND		0.0019	0.00019	ND		0.12	0.012	ND		0.002	0.0002	ND		0.0019	0.0002	ND		0.0016	0.00016	ND		0.0017	0.00017	ND		0.0019	0.00019
Methylene chloride	0.05	ND		0.0053	0.0024	ND		0.0047	0.0021	ND		0.29	0.13	ND		0.005	0.0023	ND		0.0049	0.0022	ND		0.0041	0.0019	ND		0.0043	0.002	ND		0.0047	0.0022
n-Butylbenzene	12	ND		0.0011	0.00018	ND		0.00093	0.00016	0.94		0.059	0.0098	ND		0.001	0.00017	0.00034	J	0.00097	0.00016	ND		0.00082	0.00014	ND		0.00086	0.00014	ND		0.00094	0.00016
n-Propylbenzene	3.9	ND		0.0011	0.00018	ND		0.00093	0.00016	1.4		0.059	0.01	ND		0.001	0.00017	0.0014		0.00097	0.00017	ND		0.00082	0.00014	ND		0.00086	0.00015	ND		0.00094	0.00016
Naphthalene	12	ND		0.0043	0.00069	ND		0.0037	0.00061	1.1		0.23	0.038	ND		0.004	0.00065	0.0032	J	0.0039	0.00063	ND		0.0033	0.00054	ND		0.0034	0.00056	ND		0.0038	0.00061
o-Chlorotoluene		ND		0.0021	0.0002	ND		0.0019	0.00018	ND		0.12	0.011	ND		0.002	0.00019	ND		0.0019	0.00019	ND		0.0016	0.00016	ND		0.0017	0.00016	ND		0.0019	0.00018
o-Xylene		ND		0.0011	0.00031	ND		0.00093	0.00027	0.028	J	0.059	0.017	ND		0.001	0.00029	ND		0.00097	0.00028	ND		0.00082	0.00024	ND		0.00086	0.00025	ND		0.00094	0.00027
p-Chlorotoluene		ND		0.0021	0.00012	ND		0.0019	0.0001	ND		0.12	0.0063	ND		0.002	0.00011	ND		0.0019	0.0001	ND		0.0016	0.00009	ND		0.0017	0.00009	ND		0.0019	0.0001
p-Diethylbenzene		ND		0.0021	0.00019	ND		0.0019	0.00016	0.65		0.12	0.01	ND		0.002	0.00018	0.00026	J	0.0019	0.00017	ND		0.0016	0.00014	ND		0.0017	0.00015	ND		0.0019	0.00017
p-Ethyltoluene		ND		0.0021	0.00041	ND		0.0019	0.00036	0.14		0.12	0.022	ND		0.002	0.00038	ND		0.0019	0.00037	ND		0.0016	0.00032	ND		0.0017	0.00033	ND		0.0019	0.00036
p-Isopropyltoluene		ND		0.0011	0.00012	ND		0.00093	0.0001	0.029	J	0.059	0.0064	ND		0.001	0.00011	ND		0.00097	0.00011	ND		0.00082	0.00009	ND		0.00086	0.00009	ND		0.00094	0.0001
p/m-Xylene		ND		0.0021	0.0006	ND		0.0019	0.00052	0.12		0.12	0.033	ND		0.002	0.00056	ND		0.0019	0.00054	ND		0.0016	0.00046	ND		0.0017	0.00048	ND		0.0019	0.00053
sec-Butylbenzene	11	ND		0.0011	0.00016	ND		0.00093	0.00014	0.44		0.059	0.0086	ND		0.001	0.00015	0.00022	J	0.00097	0.00014	ND		0.00082	0.00012	ND		0.00086	0.00013	ND		0.00094	0.00014
Styrene		ND		0.0011	0.00021	ND		0.00093	0.00018	0.011	J	0.059	0.011	ND		0.001	0.0002	ND		0.00097	0.00019	ND		0.00082	0.00016	ND		0.00086	0.00017	ND		0.00094	0.00018
tert-Butylbenzene	5.9	ND		0.0021	0.00013	ND		0.0019	0.00011	0.014	J	0.12	0.0069	ND		0.002	0.00012	ND		0.0019	0.00012	ND		0.0016	0.0001	ND		0.0017	0.0001	ND		0.0019	0.00011
Tetrachloroethene	1.3	ND		0.00053	0.00021	ND		0.00047	0.00018	ND		0.029	0.011	ND		0.0005	0.0002	ND		0.00049	0.00019	ND		0.00041	0.00016	ND		0.00043	0.00017	ND		0.00047	0.00018

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		B-07								RI-SB-08																			
Client Sample ID:		RI-SB-07 (12.5-13)				RI-SB-07 (18.5-19)				RI-SB-08 (2.5-3)				RI-SB-08 (7-7.5)				RI-SB-08 (10.5-11)				RI-SB-08 (17.5-18)				RI-SB-08 (24-24.5)				RI-SB-08 (26.5-27)			
Lab Sample ID:		L2354249-16				L2354249-17				L2354548-01				L2354548-02				L2354548-03				L2354548-04				L2354548-05				L2354548-06			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023			
Sample Depth (ft bgs):		12.5-13'				18.5-19'				2.5-3'				7-7.5'				10.5-11'				17.5-18'				24-24.5'				26.5-27'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Toluene	0.7	ND		0.0011	0.00058	0.00065	J	0.00093	0.00051	0.034	J	0.059	0.032	ND		0.001	0.00054	0.00091	J	0.00097	0.00053	ND		0.00082	0.00045	ND		0.00086	0.00047	ND		0.00094	0.00051
trans-1,2-Dichloroethene	0.19	ND		0.0016	0.00015	ND		0.0014	0.00013	ND		0.088	0.008	ND		0.0015	0.00014	ND		0.0015	0.00013	ND		0.0012	0.00011	ND		0.0013	0.00012	ND		0.0014	0.00013
trans-1,3-Dichloropropene		ND		0.0011	0.00029	ND		0.00093	0.00026	ND		0.059	0.016	ND		0.001	0.00027	ND		0.00097	0.00027	ND		0.00082	0.00022	ND		0.00086	0.00024	ND		0.00094	0.00026
trans-1,4-Dichloro-2-butene		ND		0.0053	0.0015	ND		0.0047	0.0013	ND		0.29	0.083	ND		0.005	0.0014	ND		0.0049	0.0014	ND		0.0041	0.0012	ND		0.0043	0.0012	ND		0.0047	0.0013
Trichloroethene	0.47	ND		0.00053	0.00015	ND		0.00047	0.00013	ND		0.029	0.008	ND		0.0005	0.00014	ND		0.00049	0.00013	ND		0.00041	0.00011	ND		0.00043	0.00012	ND		0.00047	0.00013
Trichlorofluoromethane		ND		0.0043	0.00074	ND		0.0037	0.00065	ND		0.23	0.041	ND		0.004	0.0007	ND		0.0039	0.00068	ND		0.0033	0.00057	ND		0.0034	0.0006	ND		0.0038	0.00066
Vinyl acetate		ND		0.011	0.0023	ND		0.0093	0.002	ND		0.59	0.13	ND		0.01	0.0022	ND		0.0097	0.0021	ND		0.0082	0.0018	ND		0.0086	0.0018	ND		0.0094	0.002
Vinyl chloride	0.02	ND		0.0011	0.00036	ND		0.00093	0.00031	ND		0.059	0.02	ND		0.001	0.00034	ND		0.00097	0.00033	ND		0.00082	0.00028	ND		0.00086	0.00029	ND		0.00094	0.00032
Xylenes, Total	0.26	ND		0.0011	0.00031	ND		0.00093	0.00027	0.15	J	0.059	0.017	ND		0.001	0.00029	ND		0.00097	0.00028	ND		0.00082	0.00024	ND		0.00086	0.00025	ND		0.00094	0.00027
Total VOCs		0.0077	-	-	-	0.00285	-	-	-	8.479	-	-	-	0.0439	-	-	-	0.0958	-	-	-	0.0094	-	-	-	0.0043	-	-	-	0.0084	-	-	-
Volatile Organic Compounds - TIC (mg/kg)																																	
1-Propene, 2-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Butane, 2-Methyl-		-		-	-	-		-	-	-		-	-	-	-	-	-	0.0125	NJ	0	0	-		-	-	-		-	-	-		-	-
Cyclohexane, methyl-		-		-	-	-		-	-	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-
Cyclopentane, Methyl-		-		-	-	-		-	-	1.94	NJ	0	0	-	-	-	-	0.00653	NJ	0	0	-		-	-	-		-	-	-		-	-
Cyclotrisiloxane, Hexamethyl-		-		-	-	-		-	-	-		-	-	0.00215	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Decane, 4-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Heptane		-	-	-	-	-	-	-	-																								
Heptane, 2-methyl-		-	-	-	-	-	-	-	-																								
Heptane, 3-methyl-		-	-	-	-	-	-	-	-																								
Hexane, 2,2,4-trimethyl-		-	-	-	-	-	-	-	-																								
Hexane, 2,5-dimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 2-methyl-		-		-	-	-		-	-	2.83	NJ	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Hexane, 3-methyl-		-		-	-	-		-	-	3.14	NJ	0	0	-	-	-	-	0.0026	NJ	0	0	-		-	-	-		-	-	-		-	-
Indane		-		-	-	-		-	-	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-
n-Hexane		-		-	-	-		-	-	2.19	NJ	0	0	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-
No Tentatively Identified Compounds		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	ND		0	0	ND		0	0
Nonane (C9)		-	-	-	-	-	-	-	-																								
Nonane, 4-methyl-		-	-	-	-	-	-	-	-																								
Octane		-	-	-	-	-	-	-	-																								
Octane, 2,6-dimethyl-		-	-	-	-	-	-	-	-																								
Octane, 3-methyl-		-		-	-	-		-	-	2.67	NJ	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Pentane		-		-	-	-		-	-	-		-	-	-	-	-	-	0.00523	NJ	0	0	-		-	-	-		-	-	-		-	-
Pentane, 2,3,3-trimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3,4-trimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3-dimethyl-		-		-	-	-		-	-	2.32	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2-methyl-		-		-	-	-		-	-	4.2	NJ	0	0	-	-	-	-	0.00865	NJ	0	0	-		-	-	-		-	-	-		-	-
Pentane, 3-methyl-		-		-	-	-		-	-	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-	-	-	-	-	-	-	-	0.00469	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-	-	-	-	-	-	-	-	0.00232	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-	-	-	-	-	-	-	-	0.00224	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-	-	-	-	-	-	-	-	0.0045	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		0.00602	J	0	0	-		-	-	2.49	J	0	0	-		-	-	-		-	-	0.00188	J	0	0	-		-	-	-		-	-
Unknown		-		-	-	0.00276	J	0	0	-		-	-	-	-	-	-	0.00233	J	0	0	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-	-	-	-	-	-	-	-	0.00336	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	0.00506	J	0	0	-		-	-	-		-	-	0.00509	J	0	0	-		-	-	-		-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-																								
Unknown Alkane		-	-	-	-	-	-	-	-																								
Unknown Alkane		-		-	-	-		-	-	2.17	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-		-	-	-		-	-	2.38	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-		-	-	-		-	-	2.31	J	0	0	-		-	-	0.00314	J	0	0	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	3.25	J	0	0	-		-	-	0.00693	J	0	0	-		-	-	-		-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-																								
Unknown Aromatic		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic		-		-	-	-		-	-	2.22	J	0	0	-	-	-	-	0.00318	J	0	0	-		-	-	-		-	-	-		-	-
Unknown Aromatic		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		-	-	-	-	-	-	-	-																								
Unknown Benzene		-	-	-	-	-	-	-	-																								
Unknown Benzene		-		-	-	-		-	-	1.95	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		-	-	-	-	-	-	-	-																								
Unknown Benzene		-	-	-	-	-	-	-	-																								
Unknown Benzene		-		-	-	-		-	-	4.89	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		-		-	-	-		-	-	-		-	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Cycloalkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Cyclohexane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		0.00602	J	0	0	0.00782	J	0	0	41	J	0	0	0.00215	J	0	0	0.0733	J	0	0	0.00188	J	0	0	-		-	-	-		-	-
Perfluorinated Alkyl Acids (ug/kg)																																	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		ND		0.000476	0.000273	ND		0.00048	0.000276	ND		0.000564	0.000323	ND		0.000541	0.00031	ND		0.000548	0.000315	ND		0.00054	0.00031	ND		0.000552	0.000317	ND		0.000541	0.000311
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		ND		0.000476	0.000171	ND		0.00048	0.000172	ND		0.000564	0.000202	ND		0.000541	0.000194	ND		0.000548	0.000197	ND		0.00054	0.000194	ND		0.000552	0.000198	ND		0.000541	0.000194

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		B-07								RI-SB-08																			
Client Sample ID:		RI-SB-07 (12.5-13)				RI-SB-07 (18.5-19)				RI-SB-08 (2.5-3)				RI-SB-08 (7-7.5)				RI-SB-08 (10.5-11)				RI-SB-08 (17.5-18)				RI-SB-08 (24-24.5)				RI-SB-08 (26.5-27)			
Lab Sample ID:		L2354249-16				L2354249-17				L2354548-01				L2354548-02				L2354548-03				L2354548-04				L2354548-05				L2354548-06			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023			
Sample Depth (ft bgs):		12.5-13'				18.5-19'				2.5-3'				7-7.5'				10.5-11'				17.5-18'				24-24.5'				26.5-27'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		ND		0.000476	0.000081	ND		0.00048	0.000081	ND		0.000564	0.000095	ND		0.000541	0.000091	ND		0.000548	0.000093	ND		0.00054	0.000091	ND		0.000552	0.000093	ND		0.000541	0.000092
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		ND		0.000476	0.000192	ND		0.00048	0.000194	ND		0.000564	0.000227	ND		0.000541	0.000218	ND		0.000548	0.000221	ND		0.00054	0.000218	ND		0.000552	0.000222	ND		0.000541	0.000218
Perfluorobutanesulfonic Acid (PFBS)		ND		0.000238	0.000037	ND		0.00024	0.000038	ND		0.000282	0.000044	ND		0.00027	0.000042	ND		0.000274	0.000043	ND		0.00027	0.000042	ND		0.000276	0.000043	ND		0.000271	0.000042
Perfluorobutanoic Acid (PFBA)		ND		0.000476	0.000022	ND		0.00048	0.000022	ND		0.000564	0.000026	ND		0.000541	0.000025	ND		0.000548	0.000025	ND		0.00054	0.000025	ND		0.000552	0.000025	ND		0.000541	0.000025
Perfluorodecanesulfonic Acid (PFDS)		ND		0.000476	0.000146	ND		0.00048	0.000147	ND		0.000564	0.000172	ND		0.000541	0.000165	ND		0.000548	0.000168	ND		0.00054	0.000165	ND		0.000552	0.000169	ND		0.000541	0.000166
Perfluorodecanoic Acid (PFDA)		ND		0.000238	0.000064	ND		0.00024	0.000064	ND		0.000282	0.000076	ND		0.00027	0.000072	ND		0.000274	0.000073	ND		0.00027	0.000072	ND		0.000276	0.000074	ND		0.000271	0.000073
Perfluorododecanoic Acid (PFDoA)		ND		0.000476	0.000067	ND		0.00048	0.000067	ND		0.000564	0.000079	ND		0.000541	0.000076	ND		0.000548	0.000077	ND		0.00054	0.000076	ND		0.000552	0.000077	ND		0.000541	0.000076
Perfluoroheptanesulfonic Acid (PFHpS)		ND		0.000476	0.00013	ND		0.00048	0.000131	ND		0.000564	0.000154	ND		0.000541	0.000148	ND		0.000548	0.00015	ND		0.00054	0.000148	ND		0.000552	0.000151	ND		0.000541	0.000148
Perfluoroheptanoic Acid (PFHpA)		ND		0.000238	0.000043	ND		0.00024	0.000043	ND		0.000282	0.000051	ND		0.00027	0.000049	ND		0.000274	0.000049	ND		0.00027	0.000049	ND		0.000276	0.00005	ND		0.000271	0.000049
Perfluorohexanesulfonic Acid (PFHxS)		ND		0.000238	0.000058	ND		0.00024	0.000058	ND		0.000282	0.000068	ND		0.00027	0.000065	ND		0.000274	0.000066	ND		0.00027	0.000065	ND		0.000276	0.000067	ND		0.000271	0.000066
Perfluorohexanoic Acid (PFHxA)		ND		0.000476	0.00005	ND		0.00048	0.00005	ND		0.000564	0.000059	ND		0.000541	0.000057	ND		0.000548	0.000058	ND		0.00054	0.000057	ND		0.000552	0.000058	ND		0.000541	0.000057
Perfluorononanoic Acid (PFNA)		ND		0.000238	0.000071	ND		0.00024	0.000072	ND		0.000282	0.000085	ND		0.00027	0.000081	ND		0.000274	0.000082	ND		0.00027	0.000081	ND		0.000276	0.000083	ND		0.000271	0.000081
Perfluorooctanesulfonamide (FOSA)		ND		0.000476	0.000093	ND		0.00048	0.000094	ND		0.000564	0.00011	ND		0.000541	0.000106	ND		0.000548	0.000107	ND		0.00054	0.000106	ND		0.000552	0.000108	ND		0.000541	0.000106
Perfluorooctanesulfonic Acid (PFOS)	0.88	ND		0.000238	0.000124	ND		0.00024	0.000125	ND		0.000282	0.000146	ND		0.00027	0.00014	ND		0.000274	0.000142	ND		0.00027	0.00014	ND		0.000276	0.000143	ND		0.000271	0.000141
Perfluorooctanoic Acid (PFOA)	0.66	ND		0.000238	0.00004	ND		0.00024	0.00004	ND		0.000282	0.000047	ND		0.00027	0.000045	ND		0.000274	0.000046	ND		0.00027	0.000045	ND		0.000276	0.000046	ND		0.000271	0.000045
Perfluoropentanoic Acid (PFPeA)		ND		0.000476	0.000044	ND		0.00048	0.000044	ND		0.000564	0.000052	ND		0.000541	0.00005	ND		0.000548	0.00005	ND		0.00054	0.00005	ND		0.000552	0.000051	ND		0.000541	0.00005
Perfluorotetradecanoic Acid (PFTA)		ND		0.000476	0.000051	ND		0.00048	0.000052	ND		0.000564	0.000061	ND		0.000541	0.000058	ND		0.000548	0.000059	ND		0.00054	0.000058	ND		0.000552	0.00006	ND		0.000541	0.000059
Perfluorotridecanoic Acid (PFTrDA)		ND		0.000476	0.000195	ND		0.00048	0.000196	ND		0.000564	0.00023	ND		0.000541	0.000221	ND		0.000548	0.000224	ND		0.00054	0.000221	ND		0.000552	0.000226	ND		0.000541	0.000221
Perfluoroundecanoic Acid (PFUnA)		ND		0.000476	0.000045	ND		0.00048	0.000045	ND		0.000564	0.000053	ND		0.000541	0.000051	ND		0.000548	0.000051	ND		0.00054	0.000051	ND		0.000552	0.000052	ND		0.000541	0.000051
PFOA/PFOS, Total		ND		0.000238	0.00004	ND		0.00024	0.00004	ND		0.000282	0.000047	ND		0.00027	0.000045	ND		0.000274	0.000046	ND		0.00027	0.000045	ND		0.000276	0.000046	ND		0.000271	0.000045
Semi-Volatile Organic Compounds (mg/kg)																																	
1,2,4,5-Tetrachlorobenzene		ND		0.18	0.019	ND		0.18	0.018	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019
1,2,4-Trichlorobenzene		ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.02	ND		0.18	0.021	ND		0.18	0.021
1,2-Dichlorobenzene	1.1	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.033
1,3-Dichlorobenzene	2.4	ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.032
1,4-Dichlorobenzene	1.8	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.032	ND		0.18	0.032
1,4-Dioxane	0.1	ND		0.027	0.0082	ND		0.026	0.0082	ND		0.028	0.0085	ND		0.027	0.0083	ND		0.028	0.0084	ND		0.027	0.0082	ND		0.027	0.0084	ND		0.027	0.0084
2,4,5-Trichlorophenol		ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.035	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.035
2,4,6-Trichlorophenol		ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.035	ND		0.11	0.034	ND		0.11	0.035	ND		0.11	0.034	ND		0.11	0.035	ND		0.11	0.035
2,4-Dichlorophenol		ND		0.16	0.029	ND		0.16	0.028	ND		0.17	0.03	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029
2,4-Dimethylphenol		ND		0.18	0.059	ND		0.18	0.058	ND		0.18	0.061	ND		0.18	0.06	ND		0.18	0.06	ND		0.18	0.059	ND		0.18	0.06	ND		0.18	0.06
2,4-Dinitrophenol		ND		0.86	0.083	ND		0.85	0.082	ND		0.89	0.086	ND		0.87	0.084	ND		0.88	0.085	ND		0.86	0.083	ND		0.88	0.085	ND		0.88	0.085
2,4-Dinitrotoluene		ND		0.18	0.036	ND		0.18	0.035	ND		0.18	0.037	ND		0.18	0.036	ND		0.18	0.037	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.037
2,6-Dinitrotoluene		ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031
2-Chloronaphthalene		ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018
2-Chlorophenol		ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.022	ND		0.18	0.021	ND		0.18	0.022	ND		0.18	0.021	ND		0.18	0.022	ND		0.18	0.022
2-Methylnaphthalene		ND		0.21	0.022	ND		0.21	0.021	0.28		0.22	0.022	ND		0.22	0.022	ND		0.22	0.022	ND		0.21	0.022	ND		0.22	0.022	ND		0.22	0.022
2-Methylphenol	0.33	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.029	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028
2-Nitroaniline		ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.036	ND		0.18	0.035	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.035
2-Nitrophenol		ND		0.38	0.067	ND		0.38	0.067	ND		0.4	0.07	ND		0.39	0.068	ND		0.4	0.069	ND		0.39	0.067	ND		0.4	0.069	ND		0.4	0.069
3,3'-Dichlorobenzidine		ND		0.18	0.048	ND		0.18	0.047	ND		0.18	0.049	ND		0.18	0.048	ND		0.18	0.049	ND		0.18	0.048	ND		0.18	0.049	ND		0.18	0.049
3-Methylphenol/4-Methylphenol	0.33	ND		0.26	0.028	ND		0.26	0.028	ND		0.27	0.029	ND		0.26	0.028	ND		0.26	0.029	ND		0.26	0.028	ND		0.26	0.029	ND		0.26	0.029
3-Nitroaniline		ND		0.18	0.034	ND		0.18	0.033	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034
4,6-Dinitro-o-cresol		ND		0.46	0.086	ND		0.46	0.085	ND		0.48	0.089	ND		0.47	0.087	ND		0.48	0.088	ND		0.46	0.086	ND		0.48	0.088	ND		0.48	0.088
4-Bromophenyl phenyl ether		ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.028
4-Chloroaniline		ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.034	ND		0.18	0.033	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.033
4-Chlorophenyl phenyl ether		ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.02	ND		0.18	0.019	ND		0.18	0.02	ND		0.18	0.019	ND		0.18	0.02	ND		0.18	0.02
4-Nitroaniline		ND		0.18	0.074	ND		0.18	0.073	ND		0.18	0.076	ND		0.18	0.075	ND		0.18	0.076	ND		0.18	0.074	ND		0.18	0.076	ND		0.18	0.076
4-Nitrophenol		ND		0.25	0.073	ND		0.25	0.072	ND		0.26	0.075	ND		0.25	0.074	ND		0.26	0.075	ND		0.25	0.073	ND		0.26	0.075	ND		0.26	0.075
Acenaphthene	20	ND		0.14	0.018	ND		0.14	0.018	ND		0.15	0.019	ND		0.14	0.019	ND		0.15	0.019	ND		0.14	0.018	ND		0.15	0.019	ND		0.15	0.019
Acenaphthylene	100	ND		0.14	0.028	ND		0.14	0.027	ND		0.15	0.028	ND		0.14	0.028	ND		0.15	0.028	ND		0.14	0.028	ND		0.15	0.028	ND		0.15	0.028
Acetophenone		ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.023	ND		0.18	0.022	ND		0.18	0.023	ND		0.18	0.022	ND		0.18	0.023	ND		0.18	0.023
Anthracene	100	ND		0.11	0.035	ND		0.11	0.034	ND		0.11	0.036	ND		0.11	0.035	ND		0.11	0.036	ND		0.11	0.035	ND		0.11	0.036	ND		0.11	0.036
Benzo(a)anthracene	1	ND		0.11	0.02	ND		0.11	0.02	0.031	J	0.11	0.021	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021
Benzo(a)pyrene	1	ND		0.14	0.044	ND		0.14	0.043	ND		0.15	0.045	ND		0.14	0.044	ND		0.15	0.045	ND		0.14	0.044	ND		0.15	0.045	ND		0.15	0.045
Benzo(b)fluoranthene	1	ND		0.11	0.03	ND		0.11	0.03	0.045	J	0.11	0.031	ND		0.11	0.03	ND		0.11	0.031	ND		0.11	0.03	ND		0.11	0.031	ND		0.11	0.031
Benzo(ghi)perylene	100	ND		0.14	0.021	ND		0.14	0.021	0.032	J	0.15	0.022	ND		0.14	0.021	ND		0.15	0.022	ND		0.14	0.021	ND		0.15	0.022	ND		0.15	0.022
Benzo(k)fluoranthene	0.8	ND		0.11	0.028	ND		0.11	0.028	ND		0.11	0.03	ND		0.11	0.029	ND		0.11	0.029	ND		0.11	0.029	ND		0.11	0.029	ND		0.11	0.029
Benzoic Acid		ND		0.58	0.18	ND		0.57	0.18	ND		0.6	0.19	ND		0.59	0.18	ND		0.59	0.18	ND		0.58	0.18	ND		0.59	0.18	ND		0.59	0.18
Benzyl Alcohol		ND		0.18	0.055	ND		0.18	0.054	ND		0.18	0.056	ND		0.18	0.056	ND		0.18	0.056	ND		0.18	0.055	ND		0.18	0.056	ND		0.18	0.056
Biphenyl		ND		0.41	0.023	ND		0.4	0.023	ND		0.42	0.024	ND		0.41	0.024	ND		0.42	0.024	ND		0.41	0.023	ND		0.42	0.024	ND		0.42	0.024
Bis(2-chloroethoxy)methane		ND		0.19	0.018	ND		0.19	0.018	ND		0.2	0.018	ND		0.2	0.018	ND		0.2	0.018	ND		0.19	0.018	ND		0.2	0.018	ND		0.2	0.018
Bis(2-chloroethyl)ether		ND		0.16	0.024	ND		0.16	0.024	ND		0.17	0.025	ND		0.16	0.024	ND		0.16	0.025	ND		0.16	0.024	ND		0.16	0.025	ND		0.16	0.025
Bis(2-chloroisopropyl)ether		ND		0.21	0.03	ND		0.21	0.03	ND		0.22	0.032	ND		0.22	0.031	ND		0.22	0.031	ND		0.21	0.03	ND		0.22	0.031	ND		0.22	0.031
Bis(2-ethylhexyl)phthalate		ND		0.18	0.062	ND		0.18	0.061	0.12	J	0.18	0.064	ND		0.18	0.063	ND		0.18	0.063	ND		0.18	0.062	ND		0.18	0.063	ND		0.18	0.063
Butyl benzyl phthalate		ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.046	ND		0.18	0.046	ND		0.18	0.046	ND		0.18	0.045	ND		0.18	0.046	ND		0.18	0.046
Carbazole		ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.018	ND		0.18	0.018
Chrysene	1	ND		0.11	0.018	ND		0.11	0.018	0.035	J	0.11	0.019	ND		0.11	0.019	ND		0.11	0.019	ND		0.11	0.019	ND		0.11	0.019	ND		0.11	0.019
Di-n-butylphthalate		ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.035

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		B-07								RI-SB-08																			
Client Sample ID:		RI-SB-07 (12.5-13)				RI-SB-07 (18.5-19)				RI-SB-08 (2.5-3)				RI-SB-08 (7-7.5)				RI-SB-08 (10.5-11)				RI-SB-08 (17.5-18)				RI-SB-08 (24-24.5)				RI-SB-08 (26.5-27)			
Lab Sample ID:		L2354249-16				L2354249-17				L2354548-01				L2354548-02				L2354548-03				L2354548-04				L2354548-05				L2354548-06			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023			
Sample Depth (ft bgs):		12.5-13'				18.5-19'				2.5-3'				7-7.5'				10.5-11'				17.5-18'				24-24.5'				26.5-27'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate		ND		0.18	0.061	ND		0.18	0.06	ND		0.18	0.063	ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.061	ND		0.18	0.062	ND		0.18	0.062
Dibenzo(a,h)anthracene	0.33	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021
Dibenzofuran	7	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017
Diethyl phthalate		ND		0.18	0.016	ND		0.18	0.016	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.016	ND		0.18	0.017	ND		0.18	0.017
Dimethyl phthalate		ND		0.18	0.038	ND		0.18	0.037	ND		0.18	0.039	ND		0.18	0.038	ND		0.18	0.038	ND		0.18	0.038	ND		0.18	0.038	ND		0.18	0.038
Fluoranthene	100	ND		0.11	0.02	ND		0.11	0.02	0.061	J	0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.021
Fluorene	30	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.018	ND		0.18	0.018
Hexachlorobenzene	0.33	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02
Hexachlorobutadiene		ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.027	ND		0.18	0.027
Hexachlorocyclopentadiene		ND		0.51	0.16	ND		0.51	0.16	ND		0.53	0.17	ND		0.52	0.16	ND		0.52	0.17	ND		0.51	0.16	ND		0.52	0.16	ND		0.52	0.17
Hexachloroethane		ND		0.14	0.029	ND		0.14	0.029	ND		0.15	0.03	ND		0.14	0.029	ND		0.15	0.03	ND		0.14	0.029	ND		0.15	0.03	ND		0.15	0.03
Indeno(1,2,3-cd)pyrene	0.5	ND		0.14	0.025	ND		0.14	0.025	0.034	J	0.15	0.026	ND		0.14	0.025	ND		0.15	0.026	ND		0.14	0.025	ND		0.15	0.025	ND		0.15	0.026
Isophorone		ND		0.16	0.023	ND		0.16	0.023	ND		0.17	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.023	ND		0.16	0.024	ND		0.16	0.024
n-Nitrosodi-n-propylamine		ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028
Naphthalene	12	ND		0.18	0.022	ND		0.18	0.022	0.26		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	0.022	J	0.18	0.022
NDPA/DPA		ND		0.14	0.02	ND		0.14	0.02	ND		0.15	0.021	ND		0.14	0.021	ND		0.15	0.021	ND		0.14	0.02	ND		0.15	0.021	ND		0.15	0.021
Nitrobenzene		ND		0.16	0.026	ND		0.16	0.026	ND		0.17	0.027	ND		0.16	0.027	ND		0.16	0.027	ND		0.16	0.026	ND		0.16	0.027	ND		0.16	0.027
p-Chloro-m-cresol		ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027
Pentachlorophenol	0.8	ND		0.14	0.039	ND		0.14	0.039	ND		0.15	0.041	ND		0.14	0.04	ND		0.15	0.04	ND		0.14	0.039	ND		0.15	0.04	ND		0.15	0.04
Phenanthrene	100	ND		0.11	0.022	ND		0.11	0.022	0.048	J	0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022
Phenol	0.33	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.028
Pyrene	100	ND		0.11	0.018	ND		0.11	0.018	0.062	J	0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018
Total SVOCs		-	-	-	-	-	-	-	-	1.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.022	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																																	
Benzene, Propyl-		-	-	-	-	-	-	-	-																								
Indane		-	-	-	-	-	-	-	-																								
No Tentatively Identified Compounds		ND		0	0	ND		0	0	-		-	-	ND		0	0	ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene		-	-	-	-	-	-	-	-																								
Unknown		-		-	-	-		-	-	0.239	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	0.568	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	0.411	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	0.561	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	0.314	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	0.185	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-																								
Unknown		-		-	-	-		-	-	0.554	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-		-	-	-		-	-	0.251	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-		-	-	-		-	-	0.602	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-		-	-	-		-	-	0.181	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-		-	-	-		-	-	0.221	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-	-	-	-																								
Unknown Benzene		-	-	-	-	-	-	-	-																								
Unknown Benzene		-		-	-	-		-	-	0.434	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-		-	-	-		-	-	0.478	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-		-	-	-		-	-	0.193	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-	-	-	-																								
Unknown Benzene		-	-	-	-	-	-	-	-																								
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Unknown Benzene		-	-	-	-	-	-	-	-																								
Unknown Benzene		-	-	-	-	-	-	-	-																								
Unknown Indene		-		-	-	-		-	-	0.204	J	0	0	-	-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		-		-	-	-		-	-	5.4	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pesticides (mg/kg)																																	
4,4'-DDD	0.0033	ND		0.00165	0.000587	ND		0.00171	0.00061	0.00325		0.0018	0.000644	ND		0.00173	0.000617	ND		0.0017	0.000605	ND		0.00174	0.000622	ND		0.00174	0.000622	ND		0.00175	0.000624
4,4'-DDE	0.0033	ND		0.00165	0.000381	ND		0.00171	0.000396	0.00199		0.0018	0.000418	ND		0.00173	0.0004	ND		0.0017	0.000392	ND		0.00174	0.000403	ND		0.00174	0.000404	0.000416	JIP	0.00175	0.000405
4,4'-DDT	0.0033	ND		0.00165	0.00132	ND		0.00171	0.00138	ND		0.0018	0.00145	ND		0.00173	0.00139	ND		0.0017	0.00136	ND		0.00174	0.0014	ND		0.00174	0.0014	ND		0.00175	0.00141
Aldrin	0.005	ND		0.00165	0.00058	ND		0.00171	0.000602	ND		0.0018	0.000636	ND		0.00173	0.000609	ND		0.0017	0.000597	ND		0.00174	0.000614	ND		0.00174	0.000614	ND		0.00175	0.000616
Alpha-BHC	0.02	ND		0.000686	0.000195	ND		0.000713	0.000202	ND		0.000752	0.000214	ND		0.00072	0.000205	ND		0.000706	0.000201	ND		0.000727	0.000206	ND		0.000727	0.000206	ND		0.000729	0.000207
Beta-BHC	0.036	ND		0.00165	0.000624	ND		0.00171	0.000649	ND		0.0018	0.000684	ND		0.00173	0.000656	ND		0.0017	0.000643	ND		0.00174	0.000661	ND		0.00174	0.000662	ND		0.00175	0.000664
Chlordane		ND		0.0137	0.00546	ND		0.0142	0.00567	0.061		0.015	0.00598	ND		0.0144	0.00573	ND		0.0141	0.00562	ND		0.0145	0.00578	ND		0.0145	0.00578	0.0184		0.0146	0.0058
cis-Chlordane	0.094	ND		0.00206	0.000574	ND		0.00214	0.000596	0.0065	IP	0.00226	0.000629	ND		0.00216	0.000602	ND		0.00212	0.00059	ND		0.00218	0.000608	ND		0.00218	0.000608	0.00169	J	0.00219	0.00061
Delta-BHC	0.04	ND		0.00165	0.000322	ND		0.00171	0.000335	ND		0.0018	0.000354	ND		0.00173	0.000339	ND		0.0017	0.000332	ND		0.00174	0.000342	ND		0.00174	0.000342	ND		0.00175	0.000343
Dieldrin	0.005	ND		0.00103	0.000515	ND		0.00107	0.000535	ND		0.00113	0.000564	ND		0.00108	0.00054	ND		0.00106	0.00053	ND		0.00109	0.000545	ND		0.00109	0.000545	ND		0.00109	0.000547
Endosulfan I	2.4	ND		0.00165	0.000389	ND		0.00171	0.000404	ND		0.0018	0.000426	ND		0.00173	0.000408	ND		0.0017	0.0004	ND		0.00174	0.000412	ND		0.00174	0.000412	ND		0.00175	0.000413
Endosulfan II	2.4	ND		0.00165	0.00055	ND		0.00171	0.000572	ND		0.0018	0.000603	ND		0.00173	0.000578	ND		0.0017	0.000566	ND		0.00174	0.000583	ND		0.00174	0.000583	ND		0.00175	0.000585
Endosulfan sulfate	2.4	ND		0.000686	0.000327	ND		0.000713	0.000339	ND		0.000752	0.000358	ND		0.00072	0.000343	ND		0.000706	0.000336	ND		0.000727	0.000346	ND		0.000727	0.000346	ND		0.000729	0.000347
Endrin	0.014	ND		0.000686	0.000281	ND		0.000713	0.000292	ND		0.000752	0.000308	ND		0.00072	0.000295	ND		0.000706	0.00029	ND		0.000727	0.000298	ND		0.000727	0.000298	ND		0.000729	0.000299

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		B-07								RI-SB-08																			
Client Sample ID:		RI-SB-07 (12.5-13)				RI-SB-07 (18.5-19)				RI-SB-08 (2.5-3)				RI-SB-08 (7-7.5)				RI-SB-08 (10.5-11)				RI-SB-08 (17.5-18)				RI-SB-08 (24-24.5)				RI-SB-08 (26.5-27)			
Lab Sample ID:		L2354249-16				L2354249-17				L2354548-01				L2354548-02				L2354548-03				L2354548-04				L2354548-05				L2354548-06			
Date Sampled:	USCO	9/15/2023				9/15/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023				9/18/2023			
Sample Depth (ft bgs):		12.5-13'				18.5-19'				2.5-3'				7-7.5'				10.5-11'				17.5-18'				24-24.5'				26.5-27'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Endrin aldehyde		ND		0.00206	0.000721	ND		0.00214	0.000748	ND		0.00226	0.00079	ND		0.00216	0.000756	ND		0.00212	0.000742	ND		0.00218	0.000763	ND		0.00218	0.000763	ND		0.00219	0.000766
Endrin ketone		ND		0.00165	0.000424	ND		0.00171	0.00044	ND		0.0018	0.000465	ND		0.00173	0.000445	ND		0.0017	0.000436	ND		0.00174	0.000449	ND		0.00174	0.000449	ND		0.00175	0.000451
Heptachlor	0.042	ND		0.000824	0.000369	ND		0.000855	0.000384	ND		0.000903	0.000405	ND		0.000864	0.000388	ND		0.000848	0.00038	ND		0.000872	0.000391	ND		0.000872	0.000391	ND		0.000875	0.000392
Heptachlor epoxide		ND		0.00309	0.000926	ND		0.00321	0.000962	ND		0.00338	0.00102	ND		0.00324	0.000973	ND		0.00318	0.000954	ND		0.00327	0.000981	ND		0.00327	0.000982	ND		0.00328	0.000984
Lindane	0.1	ND		0.000686	0.000307	ND		0.000713	0.000319	ND		0.000752	0.000336	ND		0.00072	0.000322	ND		0.000706	0.000316	ND		0.000727	0.000325	ND		0.000727	0.000325	ND		0.000729	0.000326
Methoxychlor		ND		0.00309	0.000961	ND		0.00321	0.000998	ND		0.00338	0.00105	ND		0.00324	0.00101	ND		0.00318	0.000989	ND		0.00327	0.00102	ND		0.00327	0.00102	ND		0.00328	0.00102
Toxaphene		ND		0.0309	0.00865	ND		0.0321	0.00898	ND		0.0338	0.00948	ND		0.0324	0.00908	ND		0.0318	0.0089	ND		0.0327	0.00916	ND		0.0327	0.00916	ND		0.0328	0.00919
trans-Chlordane		ND		0.00206	0.000544	ND		0.00214	0.000565	0.00532	IP	0.00226	0.000596	ND		0.00216	0.00057	ND		0.00212	0.000559	ND		0.00218	0.000576	ND		0.00218	0.000576	0.00203	J	0.00219	0.000578
Polychlorinated Biphenyls (mg/kg)																																	
Aroclor 1016	0.1	ND		0.0527	0.00468	ND		0.0528	0.00469	ND		0.0522	0.00463	ND		0.0532	0.00472	ND		0.052	0.00462	ND		0.0542	0.00481	ND		0.0513	0.00455	ND		0.0538	0.00478
Aroclor 1221	0.1	ND		0.0527	0.00528	ND		0.0528	0.00529	ND		0.0522	0.00523	ND		0.0532	0.00533	ND		0.052	0.00521	ND		0.0542	0.00543	ND		0.0513	0.00514	ND		0.0538	0.00539
Aroclor 1232	0.1	ND		0.0527	0.0112	ND		0.0528	0.0112	ND		0.0522	0.011	ND		0.0532	0.0113	ND		0.052	0.011	ND		0.0542	0.0115	ND		0.0513	0.0109	ND		0.0538	0.0114
Aroclor 1242	0.1	ND		0.0527	0.0071	ND		0.0528	0.00712	ND		0.0522	0.00703	ND		0.0532	0.00717	ND		0.052	0.00701	ND		0.0542	0.0073	ND		0.0513	0.00691	ND		0.0538	0.00725
Aroclor 1248	0.1	ND		0.0527	0.00791	ND		0.0528	0.00792	ND		0.0522	0.00782	ND		0.0532	0.00798	ND		0.052	0.0078	ND		0.0542	0.00812	ND		0.0513	0.00769	ND		0.0538	0.00806
Aroclor 1254	0.1	0.0117	J	0.0527	0.00577	ND		0.0528	0.00578	ND		0.0522	0.00571	ND		0.0532	0.00582	ND		0.052	0.00569	ND		0.0542	0.00592	ND		0.0513	0.00561	ND		0.0538	0.00588
Aroclor 1260	0.1	ND		0.0527	0.00974	ND		0.0528	0.00976	0.0194	J	0.0522	0.00964	ND		0.0532	0.00983	ND		0.052	0.00961	ND		0.0542	0.01	ND		0.0513	0.00948	ND		0.0538	0.00994
Aroclor 1262	0.1	ND		0.0527	0.00669	ND		0.0528	0.0067	ND		0.0522	0.00662	ND		0.0532	0.00676	ND		0.052	0.0066	ND		0.0542	0.00688	ND		0.0513	0.00651	ND		0.0538	0.00683
Aroclor 1268	0.1	ND		0.0527	0.00546	ND		0.0528	0.00547	ND		0.0522	0.0054	ND		0.0532	0.00551	ND		0.052	0.00539	ND		0.0542	0.00561	ND		0.0513	0.00531	ND		0.0538	0.00557
PCBs, Total	0.1	0.0117	J	0.0527	0.00468	ND		0.0528	0.00469	0.0194	J	0.0522	0.00463	ND		0.0532	0.00472	ND		0.052	0.00462	ND		0.0542	0.00481	ND		0.0513	0.00455	ND		0.0538	0.00478
Total Metals (mg/kg)																																	
Aluminum, Total		9850		8.57	2.31	5540		8.41	2.27	9880		8.75	2.36	10500		8.48	2.29	8750		8.6	2.32	12200		8.55	2.31	11400		8.5	2.3	11000		8.63	2.33
Antimony, Total		ND		4.28	0.326	ND		4.21	0.32	0.641	J	4.38	0.332	ND		4.24	0.322	ND		4.3	0.327	ND		4.27	0.325	ND		4.25	0.323	ND		4.32	0.328
Arsenic, Total	13	1.25		0.857	0.178	1.14		0.841	0.175	6.47		0.875	0.182	1.44		0.848	0.176	1.87		0.86	0.179	1.2		0.855	0.178	0.961		0.85	0.177	2.97		0.863	0.18
Barium, Total	350	128		0.857	0.149	67.7		0.841	0.146	112		0.875	0.152	140		0.848	0.148	115		0.86	0.15	161		0.855	0.149	146		0.85	0.148	140		0.863	0.15
Beryllium, Total	7.2	0.452		0.428	0.028	0.256	J	0.421	0.028	0.306	J	0.438	0.029	0.297	J	0.424	0.028	0.233	J	0.43	0.028	0.368	J	0.427	0.028	0.329	J	0.425	0.028	0.303	J	0.432	0.029
Cadmium, Total	2.5	ND		0.857	0.084	ND		0.841	0.082	0.104	J	0.875	0.086	ND		0.848	0.083	ND		0.86	0.084	ND		0.855	0.084	ND		0.85	0.083	ND		0.863	0.085
Calcium, Total		7920		8.57	3	5190		8.41	2.94	4670		8.75	3.06	7030		8.48	2.97	5790		8.6	3.01	7220		8.55	2.99	5160		8.5	2.98	8150		8.63	3.02
Chromium, Total		18.7		0.857	0.082	10.3		0.841	0.081	17.8		0.875	0.084	19.9		0.848	0.081	22.8		0.86	0.083	22.8		0.855	0.082	20.5		0.85	0.082	28.4		0.863	0.083
Cobalt, Total		7.88		1.71	0.142	4.79		1.68	0.14	6.72		1.75	0.145	7.19		1.7	0.141	6.57		1.72	0.143	8.9		1.71	0.142	7.47		1.7	0.141	7.38		1.73	0.143
Copper, Total	50	12.4		0.857	0.221	7.78		0.841	0.217	15.7		0.875	0.226	15.1		0.848	0.219	13.3		0.86	0.222	17.1		0.855	0.22	15.5		0.85	0.219	17.3		0.863	0.223
Iron, Total		17900		4.28	0.774	11100		4.21	0.76	17000		4.38	0.79	18900		4.24	0.765	15700		4.3	0.777	20700		4.27	0.772	19200		4.25	0.768	19300		4.32	0.779
Lead, Total	63	2.85	J	4.28	0.23	7.22		4.21	0.225	38		4.38	0.234	4.34		4.24	0.227	6.15		4.3	0.23	5.79		4.27	0.229	4.38		4.25	0.228	10.8		4.32	0.231
Magnesium, Total		6570		8.57	1.32	3520		8.41	1.3	5470		8.75	1.35	7340		8.48	1.3	6040		8.6	1.32	8030		8.55	1.32	6530		8.5	1.31	7700		8.63	1.33
Manganese, Total	1600	189		0.857	0.136	113		0.841	0.134	225		0.875	0.139	217		0.848	0.135	192		0.86	0.137	244		0.855	0.136	211		0.85	0.135	260		0.863	0.137
Mercury, Total	0.18	ND		0.071	0.046	ND		0.08	0.052	ND		0.081	0.053	ND		0.076	0.049	ND		0.088	0.057	ND		0.081	0.053	ND		0.074	0.049	ND		0.08	0.052
Nickel, Total	30	13.4		2.14	0.207	7.88		2.1	0.204	13.8		2.19	0.212	14.4		2.12	0.205	13.2		2.15	0.208	16.3		2.14	0.207	14.5		2.12	0.206	15.8		2.16	0.209
Potassium, Total		5460		214	12.3	2720		210	12.1	4310		219	12.6	5690		212	12.2	4530		215	12.4	6700		214	12.3	6260		212	12.2	5670		216	12.4
Selenium, Total	3.9	ND		1.71	0.221	ND		1.68	0.217	ND		1.75	0.226	ND		1.7	0.219	ND		1.72	0.222	ND		1.71	0.22	ND		1.7	0.219	ND		1.73	0.223
Silver, Total	2	ND		0.428	0.242	ND		0.421	0.238	ND		0.438	0.248	0.252	J	0.424	0.24	ND		0.43	0.243	0.291	J	0.427	0.242	ND		0.425	0.241	0.309	J	0.432	0.244
Sodium, Total		101	J	171	2.7	64.5	J	168	2.65	289		175	2.76	139	J	170	2.67	129	J	172	2.71	110	J	171	2.69	111	J	170	2.68	173		173	2.72
Thallium, Total		ND		1.71	0.27	ND		1.68	0.265	3.36		1.75	0.276	4.04		1.7	0.267	3.22		1.72	0.271	4.71		1.71	0.269	4.12		1.7	0.268	4.06		1.73	0.272
Vanadium, Total		25.4		0.857	0.174	14.3		0.841	0.171	25.5		0.875	0.178	29.4		0.848	0.172	22.9		0.86	0.175	32.3		0.855	0.173	28.8		0.85	0.173	30		0.863	0.175
Zinc, Total	109	41.2		4.28	0.251	23.6		4.21	0.246	52.3		4.38	0.256	42.5		4.24	0.248	37.3		4.3	0.252	49.5		4.27	0.25	46.3		4.25	0.249	52.9		4.32	0.253
General Chemistry																																	
Cyanide, Total	27	ND		1	0.21	ND		1	0.22	ND		1	0.22	ND		1	0.22	ND		1.1	0.22	ND		1	0.22	ND		1	0.22	ND		1	0.21
Solids, Total (%)		92.1		0.1	NA	91.5		0.1	NA	88.5		0.1	NA	91.8		0.1	NA	89.2		0.1	NA	90.7		0.1	NA	90.6		0.1	NA	90.1		0.1	NA

Notes:
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
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
Concentration exceeds USCO
Concentration exceeds RRSCO
Reporting Limit exceeds USCO but reported Conc does not

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RI-SB-08								RI-SB-09														RI-SB-10							
Client Sample ID:		RI-SB-08 (31.5-32)				RI-SB-08 (38.5-39)				RI-SB-09 (4.5-5)				RI-SB-09 (7.5-8)				RI-SB-09 (13.5-14)				RI-SB-09 (16.5-17)				RI-SB-10 (1.5-2)				RI-SB-10 (9.5.10)			
Lab Sample ID:		L2354548-07				L2354548-08				L2353845-13				L2353845-12				L2353845-14				L2353845-15				L2353845-01				L2353845-02			
Date Sampled:		9/18/2023				9/18/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		31.5-32'				38.5-39'				4.5-5'				7.5-8'				13.5-14'				16.5-17'				1.5-2'				9.5-10'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)																																	
1,1,1,2-Tetrachloroethane		ND		0.00046	0.00012	ND		0.00047	0.00012	ND		0.00047	0.00012	ND		0.00049	0.00013	ND		0.00048	0.00013	ND		0.00044	0.00012	ND		0.00042	0.00011	ND		0.00047	0.00012
1,1,1-Trichloroethane	0.68	ND		0.00046	0.00015	ND		0.00047	0.00016	ND		0.00047	0.00016	ND		0.00049	0.00016	ND		0.00048	0.00016	ND		0.00044	0.00015	ND		0.00042	0.00014	ND		0.00047	0.00016
1,1,2,2-Tetrachloroethane		ND		0.00046	0.00015	ND		0.00047	0.00016	ND		0.00047	0.00016	ND		0.00049	0.00016	ND		0.00048	0.00016	ND		0.00044	0.00015	ND		0.00042	0.00014	ND		0.00047	0.00016
1,1,2-Trichloroethane		ND		0.00091	0.00024	ND		0.00095	0.00025	ND		0.00094	0.00025	ND		0.00097	0.00026	ND		0.00096	0.00026	ND		0.00089	0.00024	ND		0.00085	0.00023	ND		0.00094	0.00025
1,1-Dichloroethane	0.27	ND		0.00091	0.00013	ND		0.00095	0.00014	ND		0.00094	0.00014	ND		0.00097	0.00014	ND		0.00096	0.00014	ND		0.00089	0.00013	ND		0.00085	0.00012	ND		0.00094	0.00014
1,1-Dichloroethene	0.33	ND		0.00091	0.00022	ND		0.00095	0.00022	ND		0.00094	0.00022	ND		0.00097	0.00023	ND		0.00096	0.00023	ND		0.00089	0.00021	ND		0.00085	0.0002	ND		0.00094	0.00022
1,1-Dichloropropene		ND		0.00046	0.00014	ND		0.00047	0.00015	ND		0.00047	0.00015	ND		0.00049	0.00015	ND		0.00048	0.00015	ND		0.00044	0.00014	ND		0.00042	0.00014	ND		0.00047	0.00015
1,2,3-Trichlorobenzene		ND		0.0018	0.00029	ND		0.0019	0.0003	ND		0.0019	0.0003	ND		0.0019	0.00031	ND		0.0019	0.00031	ND		0.0018	0.00028	ND		0.0017	0.00027	ND		0.0019	0.0003
1,2,3-Trichloropropane		ND		0.0018	0.00012	ND		0.0019	0.00012	ND		0.0019	0.00012	ND		0.0019	0.00012	ND		0.0019	0.00012	ND		0.0018	0.00011	ND		0.0017	0.00011	ND		0.0019	0.00012
1,2,4,5-Tetramethylbenzene		0.0064		0.0018	0.00017	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0018	0.00017	ND		0.0017	0.00016	ND		0.0019	0.00018
1,2,4-Trichlorobenzene		ND		0.0018	0.00025	ND		0.0019	0.00026	ND		0.0019	0.00026	ND		0.0019	0.00026	ND		0.0019	0.00026	ND		0.0018	0.00024	ND		0.0017	0.00023	ND		0.0019	0.00026
1,2,4-Trimethylbenzene	3.6	ND		0.0018	0.0003	ND		0.0019	0.00032	ND		0.0019	0.00031	ND		0.0019	0.00032	ND		0.0019	0.00032	ND		0.0018	0.0003	ND		0.0017	0.00028	ND		0.0019	0.00031
1,2-Dibromo-3-chloropropane		ND		0.0027	0.00091	ND		0.0028	0.00094	ND		0.0028	0.00094	ND		0.0029	0.00097	ND		0.0029	0.00095	ND		0.0027	0.00088	ND		0.0025	0.00085	ND		0.0028	0.00094
1,2-Dibromoethane		ND		0.00091	0.00025	ND		0.00095	0.00026	ND		0.00094	0.00026	ND		0.00097	0.00027	ND		0.00096	0.00027	ND		0.00089	0.00025	ND		0.00085	0.00024	ND		0.00094	0.00026
1,2-Dichlorobenzene	1.1	ND		0.0018	0.00013	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0018	0.00013	ND		0.0017	0.00012	ND		0.0019	0.00014
1,2-Dichloroethane	0.02	ND		0.00091	0.00023	ND		0.00095	0.00024	ND		0.00094	0.00024	ND		0.00097	0.00025	ND		0.00096	0.00024	ND		0.00089	0.00023	ND		0.00085	0.00022	ND		0.00094	0.00024
1,2-Dichloroethene, Total		ND		0.00091	0.00012	ND		0.00095	0.00013	ND		0.00094	0.00013	ND		0.00097	0.00013	ND		0.00096	0.00013	ND		0.00089	0.00012	ND		0.00085	0.00012	ND		0.00094	0.00013
1,2-Dichloropropane		ND		0.00091	0.00011	ND		0.00095	0.00012	ND		0.00094	0.00012	ND		0.00097	0.00012	ND		0.00096	0.00012	ND		0.00089	0.00011	ND		0.00085	0.00011	ND		0.00094	0.00012
1,3,5-Trimethylbenzene	8.4	ND		0.0018	0.00018	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0019	0.00019	ND		0.0019	0.00018	ND		0.0018	0.00017	ND		0.0017	0.00016	ND		0.0019	0.00018
1,3-Dichlorobenzene	2.4	ND		0.0018	0.00013	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0018	0.00013	ND		0.0017	0.00012	ND		0.0019	0.00014
1,3-Dichloropropane		ND		0.0018	0.00015	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0018	0.00015	ND		0.0017	0.00014	ND		0.0019	0.00016
1,3-Dichloropropene, Total		ND		0.00046	0.00014	ND		0.00047	0.00015	ND		0.00047	0.00015	ND		0.00049	0.00015	ND		0.00048	0.00015	ND		0.00044	0.00014	ND		0.00042	0.00013	ND		0.00047	0.00015
1,4-Dichlorobenzene	1.8	ND		0.0018	0.00016	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0019	0.00017	ND		0.0019	0.00016	ND		0.0018	0.00015	ND		0.0017	0.00014	ND		0.0019	0.00016
1,4-Dioxane	0.1	ND		0.073	0.032	ND		0.076	0.033	ND		0.075	0.033	ND		0.078	0.034	ND		0.076	0.034	ND		0.071	0.031	ND		0.068	0.03	ND		0.075	0.033
2,2-Dichloropropane		ND		0.0018	0.00018	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0019	0.0002	ND		0.0019	0.00019	ND		0.0018	0.00018	ND		0.0017	0.00017	ND		0.0019	0.00019
2-Butanone	0.12	ND		0.0091	0.002	ND		0.0095	0.0021	ND		0.0094	0.0021	ND		0.0097	0.0022	ND		0.0096	0.0021	ND		0.0089	0.002	ND		0.0085	0.0019	ND		0.0094	0.0021
2-Hexanone		ND		0.0091	0.0011	ND		0.0095	0.0011	ND		0.0094	0.0011	ND		0.0097	0.0011	ND		0.0096	0.0011	ND		0.0089	0.001	ND		0.0085	0.001	ND		0.0094	0.0011
4-Methyl-2-pentanone		ND		0.0091	0.0012	ND		0.0095	0.0012	ND		0.0094	0.0012	ND		0.0097	0.0012	ND		0.0096	0.0012	ND		0.0089	0.0011	ND		0.0085	0.0011	ND		0.0094	0.0012
Acetone	0.05	ND		0.0091	0.0044	0.0072	J	0.0095	0.0046	0.0078	J	0.0094	0.0045	ND		0.0097	0.0047	ND		0.0096	0.0046	0.0095		0.0089	0.0043	ND		0.0085	0.0041	0.034		0.0094	0.0045
Acrylonitrile		ND		0.0036	0.001	ND		0.0038	0.0011	ND		0.0038	0.0011	ND		0.0039	0.0011	ND		0.0038	0.0011	ND		0.0035	0.001	ND		0.0034	0.00098	ND		0.0038	0.0011
Benzene	0.06	0.033		0.00046	0.00015	ND		0.00047	0.00016	ND		0.00047	0.00016	ND		0.00049	0.00016	ND		0.00048	0.00016	ND		0.00044	0.00015	ND		0.00042	0.00014	ND		0.00047	0.00016
Bromobenzene		ND		0.0018	0.00013	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0018	0.00013	ND		0.0017	0.00012	ND		0.0019	0.00014
Bromochloromethane		ND		0.0018	0.00019	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0019	0.0002	ND		0.0019	0.0002	ND		0.0018	0.00018	ND		0.0017	0.00017	ND		0.0019	0.00019
Bromodichloromethane		ND		0.00046	0.0001	ND		0.00047	0.0001	ND		0.00047	0.0001	ND		0.00049	0.00011	ND		0.00048	0.0001	ND		0.00044	0.0001	ND		0.00042	0.00009	ND		0.00047	0.0001
Bromoform		ND		0.0036	0.00022	ND		0.0038	0.00023	ND		0.0038	0.00023	ND		0.0039	0.00024	ND		0.0038	0.00024	ND		0.0035	0.00022	ND		0.0034	0.00021	ND		0.0038	0.00023
Bromomethane		ND		0.0018	0.00053	ND		0.0019	0.00055	ND		0.0019	0.00054	ND		0.0019	0.00056	ND		0.0019	0.00056	ND		0.0018	0.00052	ND		0.0017	0.00049	ND		0.0019	0.00055
Carbon disulfide		ND		0.0091	0.0041	ND		0.0095	0.0043	ND		0.0094	0.0043	ND		0.0097	0.0044	ND		0.0096	0.0044	ND		0.0089	0.004	ND		0.0085	0.0039	ND		0.0094	0.0043
Carbon tetrachloride	0.76	ND		0.00091	0.00021	ND		0.00095	0.00022	ND		0.00094	0.00022	ND		0.00097	0.00022	ND		0.00096	0.00022	ND		0.00089	0.0002	ND		0.00085	0.0002	ND		0.00094	0.00022
Chlorobenzene	1.1	ND		0.00046	0.00012	ND		0.00047	0.00012	ND		0.00047	0.00012	ND		0.00049	0.00012	ND		0.00048	0.00012	ND		0.00044	0.00011	ND		0.00042	0.00011	ND		0.00047	0.00012
Chloroethane		ND		0.0018	0.00041	ND		0.0019	0.00043	ND		0.0019	0.00042	ND		0.0019	0.00044	ND		0.0019	0.00043	ND		0.0018	0.0004	ND		0.0017	0.00038	ND		0.0019	0.00042
Chloroform	0.37	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0014	0.00014	ND		0.0014	0.00013	ND		0.0013	0.00012	ND		0.0013	0.00012	ND		0.0014	0.00013
Chloromethane		ND		0.0036	0.00085	ND		0.0038	0.00088	ND		0.0038	0.00088	ND		0.0039	0.00091	ND		0.0038	0.00089	ND		0.0035	0.00083	ND		0.0034	0.00079	ND		0.0038	0.00088
cis-1,2-Dichloroethene	0.25	ND		0.00091	0.00016	ND		0.00095	0.00016	ND		0.00094	0.00016	ND		0.00097	0.00017	ND		0.00096	0.00017	ND		0.00089	0.00016	ND		0.00085	0.00015	ND		0.00094	0.00016
cis-1,3-Dichloropropene		ND		0.00046	0.00014	ND		0.00047	0.00015	ND		0.00047	0.00015	ND		0.00049	0.00015	ND		0.00048	0.00015	ND		0.00044	0.00014	ND		0.00042	0.00013	ND		0.00047	0.00015
Dibromochloromethane		ND		0.00091	0.00013	ND		0.00095	0.00013	ND		0.00094	0.00013	ND		0.00097	0.00014	ND		0.00096	0.00013	ND		0.00089	0.00012	ND		0.00085	0.00012	ND		0.00094	0.00013
Dibromomethane		ND		0.0018	0.00022	ND		0.0019	0.00022	ND		0.0019	0.00022	ND		0.0019	0.00023	ND		0.0019	0.00023	ND		0.0018	0.00021	ND		0.0017	0.0002	ND		0.0019	0.00022
Dichlorodifluoromethane		ND		0.0091	0.00083	ND		0.0095	0.00087	ND		0.0094	0.00086	ND		0.0097	0.00089	ND		0.0096	0.00088	ND		0.0089	0.00081	ND		0.0085	0.00078	ND		0.0094	0.00086
Ethyl ether		ND		0.0018	0.00031	ND		0.0019	0.00032	ND		0.0019	0.00032	ND		0.0019	0.00033	ND		0.0019	0.00033	ND		0.0018	0.0003	ND		0.0017	0.00029	ND		0.0019	0.00032
Ethylbenzene	1	0.00083	J	0.00091	0.00013	ND		0.00095	0.00013	ND		0.00094	0.00013	ND		0.00097	0.00014	ND		0.00096	0.00013	ND		0.00089	0.00012	ND		0.00085	0.00012	ND		0.00094	0.00013
Hexachlorobutadiene		ND		0.0036	0.00015	ND		0.0038	0.00016	ND		0.0038	0.00016	ND		0.0039	0.00016	ND		0.0038	0.00016	ND		0.0035	0.00015	ND		0.0034	0.00014	ND		0.0038	0.00016
Isopropylbenzene		0.0034		0.00091	0.0001	ND		0.00095	0.0001	ND		0.00094	0.0001	ND		0.00097	0.00011	ND		0.00096	0.0001	ND		0.00089	0.0001	ND		0.00085	0.00009	ND		0.00094	0.0001
Methyl tert butyl ether	0.93	ND		0.0018	0.00018	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0019	0.0002	ND		0.0019	0.00019	ND		0.0018	0.00018	ND		0.0017	0.00017	0.0014	J	0.0019	0.00019
Methylene chloride	0.05	ND		0.0046	0.0021	ND		0.0047	0.0022	ND		0.0047	0.0022	ND		0.0049	0.0022	ND		0.0048	0.0022	ND		0.0044	0.002	ND		0.0042	0.0019	ND		0.0047	0.0022
n-Butylbenzene	12	0.0019		0.00091	0.00015	ND		0.00095	0.00016	ND		0.00094	0.00016	ND		0.00097	0.00016	ND		0.00096	0.00016	ND		0.00089	0.00015	ND		0.00085	0.00014	ND		0.00094	0.00016
n-Propylbenzene	3.9	0.0062		0.00091	0.00016	ND		0.00095	0.00016	ND		0.00094	0.00016	ND		0.00097	0.00017	ND		0.00096	0.00016	ND		0.00089	0.00015	ND		0.00085	0.00014	ND		0.00094	0.00016
Naphthalene	12	0.0033	J	0.0036	0.00059	ND		0.0038	0.00062	ND		0.0038	0.00061	ND		0.0039	0.00063	ND		0.0038	0.00062	ND		0.0035	0.00058	ND		0.0034	0.00055	ND		0.0038	0.00061
o-Chlorotoluene		ND		0.0018	0.00017	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0018	0.00017	ND		0.0017	0.00016	ND		0.0019	0.00018
o-Xylene		0.00055	J	0.00091	0.00026	ND		0.00095	0.00028	ND		0.00094	0.00027	ND		0.00097	0.00028	ND		0.00096	0.00028	ND		0.00089	0.00026	ND		0.00085	0.00025	ND		0.00094	0.00027
p-Chlorotoluene		ND		0.0018	0.0001	ND		0.0019	0.0001	ND		0.0019	0.0001	ND		0.0019	0.0001	ND		0.0019	0.0001	ND		0.0018	0.0001	ND		0.0017	0.00009	ND		0.0019	0.0001
p-Diethylbenzene		0.0015	J	0.0018	0.00016	ND		0.0019	0.00017	ND		0.0019	0.00017	ND		0.0019	0.00017	ND		0.0019	0.00017	ND		0.0018	0.00016	ND		0.0017	0.00015	ND		0.0019	0.00017
p-Ethyltoluene		0.00087	J	0.0018	0.00035	ND		0.0019	0.00036	ND		0.0019	0.00036	ND		0.0019	0.00037	ND		0.0019	0.00037	ND		0.0018	0.00034	ND		0.0017	0.00033	ND		0.0019	0.00036
p-Isopropyltoluene		ND		0.00091	0.0001	ND		0.00095	0.0001	ND		0.00094	0.0001	ND		0.00097	0.00011	ND		0.00096	0.0001	ND		0.00089	0.0001	ND		0.00085	0.00009	ND		0.00094	0.0001
p/m-Xylene		0.0022		0.0018	0.00051	ND		0.0019	0.00053	ND		0.0019	0.00053	ND		0.0019	0.00054	ND		0.0019	0.00054	ND		0.0018	0.0005	ND		0.0017	0.00048	ND		0.0019	0.00053
sec-Butylbenzene	11	0.0013		0.00091	0.00013	ND		0.00095	0.00014	ND		0.00094	0.00014	ND		0.00097	0.00014	ND		0.00096	0.00014	ND		0.00089	0.00013	ND		0.00085	0.00012	ND		0.00094	0.00014
Styrene		ND		0.00091	0.00018	ND		0.00095	0.00018	ND		0.00094	0.00018	ND		0.00097	0.00019	ND		0.00096	0.00019	ND		0.00089	0.00017	ND		0.00085	0.00017	ND		0.00094	0.00018
tert-Butylbenzene	5.9	ND		0.0018	0.00011	ND		0.0019	0.00011	ND		0.0019	0.00011	ND		0.0019	0.00011	ND		0.0019	0.00011	ND		0.0018	0.0001	ND		0.0017	0.0001	ND		0.0019	0.00011
Tetrachloroethene	1.3	ND		0.00046	0.00018	ND		0.00047	0.00018	ND		0.00047	0.00018	ND		0.00049	0.00019	ND		0.00048	0.00019	ND		0.00044	0.00017	ND		0.00042	0.00017	ND		0.00047	0.00018

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-08								RI-SB-09												RI-SB-10							
Client Sample ID:		RI-SB-08 (31.5-32)				RI-SB-08 (38.5-39)				RI-SB-09 (4.5-5)				RI-SB-09 (7.5-8)				RI-SB-09 (13.5-14)				RI-SB-09 (16.5-17)				RI-SB-10 (1.5-2)				RI-SB-10 (9.5.10)			
Lab Sample ID:		L2354548-07				L2354548-08				L2353845-13				L2353845-12				L2353845-14				L2353845-15				L2353845-01				L2353845-02			
Date Sampled:	USCO	9/18/2023				9/18/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		31.5-32'				38.5-39'				4.5-5'				7.5-8'				13.5-14'				16.5-17'				1.5-2'				9.5-10'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Toluene	0.7	0.0012		0.00091	0.00049	ND		0.00095	0.00051	ND		0.00094	0.00051	ND		0.00097	0.00053	ND		0.00096	0.00052	ND		0.00089	0.00048	ND		0.00085	0.00046	ND		0.00094	0.00051
trans-1,2-Dichloroethene	0.19	ND		0.0014	0.00012	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0013	0.00012	ND		0.0013	0.00012	ND		0.0014	0.00013
trans-1,3-Dichloropropene		ND		0.00091	0.00025	ND		0.00095	0.00026	ND		0.00094	0.00026	ND		0.00097	0.00026	ND		0.00096	0.00026	ND		0.00089	0.00024	ND		0.00085	0.00023	ND		0.00094	0.00026
trans-1,4-Dichloro-2-butene		ND		0.0046	0.0013	ND		0.0047	0.0013	ND		0.0047	0.0013	ND		0.0049	0.0014	ND		0.0048	0.0014	ND		0.0044	0.0012	ND		0.0042	0.0012	ND		0.0047	0.0013
Trichloroethene	0.47	ND		0.00046	0.00012	ND		0.00047	0.00013	ND		0.00047	0.00013	ND		0.00049	0.00013	ND		0.00048	0.00013	ND		0.00044	0.00012	ND		0.00042	0.00012	ND		0.00047	0.00013
Trichlorofluoromethane		ND		0.0036	0.00063	ND		0.0038	0.00066	ND		0.0038	0.00065	ND		0.0039	0.00068	ND		0.0038	0.00066	ND		0.0035	0.00062	ND		0.0034	0.00059	ND		0.0038	0.00065
Vinyl acetate		ND		0.0091	0.002	ND		0.0095	0.002	ND		0.0094	0.002	ND		0.0097	0.0021	ND		0.0096	0.002	ND		0.0089	0.0019	ND		0.0085	0.0018	ND		0.0094	0.002
Vinyl chloride	0.02	ND		0.00091	0.0003	ND		0.00095	0.00032	ND		0.00094	0.00031	ND		0.00097	0.00032	ND		0.00096	0.00032	ND		0.00089	0.0003	ND		0.00085	0.00028	ND		0.00094	0.00031
Xylenes, Total	0.26	0.0028	J	0.00091	0.00026	ND		0.00095	0.00028	ND		0.00094	0.00027	ND		0.00097	0.00028	ND		0.00096	0.00028	ND		0.00089	0.00026	ND		0.00085	0.00025	ND		0.00094	0.00027
Total VOCs		0.06265	-	-	-	0.0072	-	-	-	0.0078	-	-	-	-	-	-	-	-	-	-	-	0.0095	-	-	-	-	-	-	-	0.0354	-	-	-
Volatile Organic Compounds - TIC (mg/kg)																																	
1-Propene, 2-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Butane, 2-Methyl-		0.0657	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane, methyl-		0.0194	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclopentane, Methyl-		0.0505	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclotrisiloxane, Hexamethyl-		-		-	-	0.00208	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	0.00243	NJ	0	0	0.0026	NJ	0	0
Decane, 4-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Heptane																																	
Heptane, 2-methyl-																																	
Heptane, 3-methyl-																																	
Hexane, 2,2,4-trimethyl-																																	
Hexane, 2,5-dimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Hexane, 2-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane, 3-methyl-		0.0202	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indane		0.0228	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Hexane		0.0241	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
No Tentatively Identified Compounds		-		-	-	-		-	-	ND		0	0	ND		0	0	ND		0	0	ND		0	0	-		-	-	-		-	-
Nonane (C9)																																	
Nonane, 4-methyl-																																	
Octane																																	
Octane, 2,6-dimethyl-																																	
Octane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane		0.0408	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2,3,3-trimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3,4-trimethyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2,3-dimethyl-		0.0155	NJ	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Pentane, 2-methyl-		0.0972	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 3-methyl-		0.0383	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		0.032	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	0.00208	J	0	0
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane																																	
Unknown Alkane																																	
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		0.0141	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		0.0313	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane																																	
Unknown Aromatic		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic		0.0158	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Aromatic		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene																																	
Unknown Benzene																																	
Unknown Benzene		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene																																	
Unknown Benzene																																	
Unknown Benzene		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Benzene		0.0154	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Cycloalkane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Cyclohexane		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		0.503	J	0	0	0.00208	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	0.00243	J	0	0	0.00468	J	0	0
Perfluorinated Alkyl Acids (ug/kg)																																	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		ND		0.000575	0.00033	ND		0.000543	0.000312	ND		0.000532	0.000305	ND		0.000538	0.000309	ND		0.000535	0.000307	ND		0.00057	0.000327	ND		0.000531	0.000305	ND		0.00054	0.00031
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		ND		0.000575	0.000206	ND		0.000543	0.000195	ND		0.000532	0.000191	ND		0.000538	0.000193	ND		0.000535	0.000192	ND		0.00057	0.000204	ND		0.000531	0.000191	ND		0.00054	0.000194

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-08								RI-SB-09												RI-SB-10							
Client Sample ID:		RI-SB-08 (31.5-32)				RI-SB-08 (38.5-39)				RI-SB-09 (4.5-5)				RI-SB-09 (7.5-8)				RI-SB-09 (13.5-14)				RI-SB-09 (16.5-17)				RI-SB-10 (1.5-2)				RI-SB-10 (9.5.10)			
Lab Sample ID:		L2354548-07				L2354548-08				L2353845-13				L2353845-12				L2353845-14				L2353845-15				L2353845-01				L2353845-02			
Date Sampled:	USCO	9/18/2023				9/18/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		31.5-32'				38.5-39'				4.5-5'				7.5-8'				13.5-14'				16.5-17'				1.5-2'				9.5-10'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		ND		0.000575	0.000097	ND		0.000543	0.000092	ND		0.000532	0.00009	ND		0.000538	0.000091	ND		0.000535	0.00009	ND		0.00057	0.000096	ND		0.000531	0.00009	ND		0.00054	0.000091
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		ND		0.000575	0.000232	ND		0.000543	0.000219	ND		0.000532	0.000214	ND		0.000538	0.000217	ND		0.000535	0.000216	ND		0.00057	0.00023	ND		0.000531	0.000214	ND		0.00054	0.000218
Perfluorobutanesulfonic Acid (PFBS)		ND		0.000287	0.000045	ND		0.000271	0.000042	ND		0.000266	0.000042	ND		0.000269	0.000042	ND		0.000268	0.000042	ND		0.000285	0.000044	ND		0.000265	0.000041	ND		0.00027	0.000042
Perfluorobutanoic Acid (PFBA)		ND		0.000575	0.000026	ND		0.000543	0.000025	ND		0.000532	0.000024	ND		0.000538	0.000024	ND		0.000535	0.000024	ND		0.00057	0.000026	ND		0.000531	0.000024	ND		0.00054	0.000025
Perfluorodecanesulfonic Acid (PFDS)		ND		0.000575	0.000176	ND		0.000543	0.000166	ND		0.000532	0.000163	ND		0.000538	0.000164	ND		0.000535	0.000164	ND		0.00057	0.000174	ND		0.000531	0.000162	ND		0.00054	0.000165
Perfluorodecanoic Acid (PFDA)		ND		0.000287	0.000077	ND		0.000271	0.000073	ND		0.000266	0.000071	ND		0.000269	0.000072	ND		0.000268	0.000072	ND		0.000285	0.000076	ND		0.000265	0.000071	ND		0.00027	0.000072
Perfluorododecanoic Acid (PFDoA)		ND		0.000575	0.00008	ND		0.000543	0.000076	ND		0.000532	0.000075	ND		0.000538	0.000075	ND		0.000535	0.000075	ND		0.00057	0.00008	ND		0.000531	0.000074	ND		0.00054	0.000076
Perfluoroheptanesulfonic Acid (PFHpS)		ND		0.000575	0.000157	ND		0.000543	0.000148	ND		0.000532	0.000145	ND		0.000538	0.000147	ND		0.000535	0.000146	ND		0.00057	0.000155	ND		0.000531	0.000145	ND		0.00054	0.000148
Perfluoroheptanoic Acid (PFHpA)		ND		0.000287	0.000052	ND		0.000271	0.000049	ND		0.000266	0.000048	ND		0.000269	0.000049	ND		0.000268	0.000048	ND		0.000285	0.000051	ND		0.000265	0.000048	ND		0.00027	0.000049
Perfluorohexanesulfonic Acid (PFHxS)		ND		0.000287	0.00007	ND		0.000271	0.000066	ND		0.000266	0.000064	ND		0.000269	0.000065	ND		0.000268	0.000065	ND		0.000285	0.000069	ND		0.000265	0.000064	ND		0.00027	0.000065
Perfluorohexanoic Acid (PFHxA)		ND		0.000575	0.00006	ND		0.000543	0.000057	ND		0.000532	0.000056	ND		0.000538	0.000057	ND		0.000535	0.000056	ND		0.00057	0.00006	ND		0.000531	0.000056	ND		0.00054	0.000057
Perfluorononanoic Acid (PFNA)		ND		0.000287	0.000086	ND		0.000271	0.000081	ND		0.000266	0.00008	ND		0.000269	0.000081	ND		0.000268	0.00008	ND		0.000285	0.000085	ND		0.000265	0.00008	ND		0.00027	0.000081
Perfluorooctanesulfonamide (FOSA)		ND		0.000575	0.000113	ND		0.000543	0.000106	ND		0.000532	0.000104	ND		0.000538	0.000105	ND		0.000535	0.000105	ND		0.00057	0.000112	ND		0.000531	0.000104	ND		0.00054	0.000106
Perfluorooctanesulfonic Acid (PFOS)	0.88	ND		0.000287	0.000149	ND		0.000271	0.000141	ND		0.000266	0.000138	ND		0.000269	0.00014	ND		0.000268	0.000139	ND		0.000285	0.000148	ND		0.000265	0.000138	ND		0.00027	0.00014
Perfluorooctanoic Acid (PFOA)	0.66	ND		0.000287	0.000048	ND		0.000271	0.000046	ND		0.000266	0.000045	ND		0.000269	0.000045	ND		0.000268	0.000045	ND		0.000285	0.000048	ND		0.000265	0.000045	ND		0.00027	0.000045
Perfluoropentanoic Acid (PFPeA)		ND		0.000575	0.000053	ND		0.000543	0.00005	ND		0.000532	0.000049	ND		0.000538	0.00005	ND		0.000535	0.000049	ND		0.00057	0.000052	ND		0.000531	0.000049	ND		0.00054	0.00005
Perfluorotetradecanoic Acid (PFTA)		ND		0.000575	0.000062	ND		0.000543	0.000059	ND		0.000532	0.000058	ND		0.000538	0.000058	ND		0.000535	0.000058	ND		0.00057	0.000062	ND		0.000531	0.000057	ND		0.00054	0.000058
Perfluorotridecanoic Acid (PFTrDA)		ND		0.000575	0.000235	ND		0.000543	0.000222	ND		0.000532	0.000218	ND		0.000538	0.00022	ND		0.000535	0.000219	ND		0.00057	0.000233	ND		0.000531	0.000217	ND		0.00054	0.000221
Perfluoroundecanoic Acid (PFUnA)		ND		0.000575	0.000054	ND		0.000543	0.000051	ND		0.000532	0.00005	ND		0.000538	0.00005	ND		0.000535	0.00005	ND		0.00057	0.000053	ND		0.000531	0.00005	ND		0.00054	0.000051
PFOA/PFOS, Total		ND		0.000287	0.000048	ND		0.000271	0.000046	ND		0.000266	0.000045	ND		0.000269	0.000045	ND		0.000268	0.000045	ND		0.000285	0.000048	ND		0.000265	0.000045	ND		0.00027	0.000045
Semi-Volatile Organic Compounds (mg/kg)																																	
1,2,4,5-Tetrachlorobenzene		ND		0.19	0.02	ND		0.18	0.019	ND		0.18	0.018	ND		0.18	0.019	ND		0.18	0.018	ND		0.19	0.02	ND		0.18	0.019	ND		0.18	0.019
1,2,4-Trichlorobenzene		ND		0.19	0.021	ND		0.18	0.021	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.02	ND		0.19	0.022	ND		0.18	0.02	ND		0.18	0.021
1,2-Dichlorobenzene	1.1	ND		0.19	0.034	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.19	0.034	ND		0.18	0.032	ND		0.18	0.032
1,3-Dichlorobenzene	2.4	ND		0.19	0.032	ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.031	ND		0.18	0.03	ND		0.19	0.032	ND		0.18	0.031	ND		0.18	0.031
1,4-Dichlorobenzene	1.8	ND		0.19	0.033	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.19	0.033	ND		0.18	0.031	ND		0.18	0.031
1,4-Dioxane	0.1	ND		0.028	0.0086	ND		0.027	0.0084	ND		0.026	0.0081	ND		0.027	0.0082	ND		0.026	0.0081	ND		0.028	0.0087	ND		0.027	0.0082	ND		0.027	0.0083
2,4,5-Trichlorophenol		ND		0.19	0.036	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.036	ND		0.18	0.034	ND		0.18	0.034
2,4,6-Trichlorophenol		ND		0.11	0.036	ND		0.11	0.034	ND		0.1	0.033	ND		0.11	0.034	ND		0.1	0.033	ND		0.11	0.036	ND		0.11	0.034	ND		0.11	0.034
2,4-Dichlorophenol		ND		0.17	0.03	ND		0.16	0.029	ND		0.16	0.028	ND		0.16	0.029	ND		0.16	0.028	ND		0.17	0.03	ND		0.16	0.029	ND		0.16	0.029
2,4-Dimethylphenol		ND		0.19	0.062	ND		0.18	0.06	ND		0.18	0.058	ND		0.18	0.059	ND		0.18	0.058	ND		0.19	0.062	ND		0.18	0.059	ND		0.18	0.059
2,4-Dinitrophenol		ND		0.9	0.087	ND		0.87	0.084	ND		0.85	0.082	ND		0.86	0.083	ND		0.84	0.082	ND		0.9	0.088	ND		0.86	0.083	ND		0.86	0.084
2,4-Dinitrotoluene		ND		0.19	0.038	ND		0.18	0.036	ND		0.18	0.035	ND		0.18	0.036	ND		0.18	0.035	ND		0.19	0.038	ND		0.18	0.036	ND		0.18	0.036
2,6-Dinitrotoluene		ND		0.19	0.032	ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.031	ND		0.18	0.03	ND		0.19	0.032	ND		0.18	0.031	ND		0.18	0.031
2-Chloronaphthalene		ND		0.19	0.019	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.017	ND		0.19	0.019	ND		0.18	0.018	ND		0.18	0.018
2-Chlorophenol		ND		0.19	0.022	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.19	0.022	ND		0.18	0.021	ND		0.18	0.021
2-Methylnaphthalene		ND		0.22	0.023	ND		0.22	0.022	ND		0.21	0.021	ND		0.21	0.022	ND		0.21	0.021	ND		0.23	0.023	ND		0.21	0.022	ND		0.22	0.022
2-Methylphenol	0.33	ND		0.19	0.029	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.027	ND		0.19	0.029	ND		0.18	0.028	ND		0.18	0.028
2-Nitroaniline		ND		0.19	0.036	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.036	ND		0.18	0.034	ND		0.18	0.035
2-Nitrophenol		ND		0.4	0.07	ND		0.39	0.068	ND		0.38	0.066	ND		0.39	0.067	ND		0.38	0.066	ND		0.41	0.071	ND		0.39	0.067	ND		0.39	0.068
3,3'-Dichlorobenzidine		ND		0.19	0.05	ND		0.18	0.048	ND		0.18	0.047	ND		0.18	0.048	ND		0.18	0.047	ND		0.19	0.05	ND		0.18	0.048	ND		0.18	0.048
3-Methylphenol/4-Methylphenol	0.33	ND		0.27	0.029	ND		0.26	0.028	ND		0.25	0.028	ND		0.26	0.028	ND		0.25	0.028	ND		0.27	0.03	ND		0.26	0.028	ND		0.26	0.028
3-Nitroaniline		ND		0.19	0.035	ND		0.18	0.034	ND		0.18	0.033	ND		0.18	0.034	ND		0.18	0.033	ND		0.19	0.036	ND		0.18	0.034	ND		0.18	0.034
4,6-Dinitro-o-cresol		ND		0.49	0.09	ND		0.47	0.087	ND		0.46	0.085	ND		0.46	0.086	ND		0.46	0.084	ND		0.49	0.09	ND		0.46	0.086	ND		0.47	0.086
4-Bromophenyl phenyl ether		ND		0.19	0.029	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.19	0.029	ND		0.18	0.027	ND		0.18	0.027
4-Chloroaniline		ND		0.19	0.034	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.19	0.034	ND		0.18	0.032	ND		0.18	0.033
4-Chlorophenyl phenyl ether		ND		0.19	0.02	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.19	0.02	ND		0.18	0.019	ND		0.18	0.019
4-Nitroaniline		ND		0.19	0.078	ND		0.18	0.075	ND		0.18	0.073	ND		0.18	0.074	ND		0.18	0.073	ND		0.19	0.078	ND		0.18	0.074	ND		0.18	0.074
4-Nitrophenol		ND		0.26	0.076	ND		0.25	0.074	ND		0.25	0.072	ND		0.25	0.073	ND		0.25	0.072	ND		0.26	0.077	ND		0.25	0.073	ND		0.25	0.073
Acenaphthene	20	ND		0.15	0.019	ND		0.14	0.019	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.018	ND		0.15	0.02	ND		0.14	0.018	ND		0.14	0.019
Acenaphthylene	100	ND		0.15	0.029	ND		0.14	0.028	ND		0.14	0.027	ND		0.14	0.028	ND		0.14	0.027	ND		0.15	0.029	ND		0.14	0.028	ND		0.14	0.028
Acetophenone		ND		0.19	0.023	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.19	0.023	ND		0.18	0.022	ND		0.18	0.022
Anthracene	100	ND		0.11	0.037	ND		0.11	0.035	ND		0.1	0.034	ND		0.11	0.035	ND		0.1	0.034	ND		0.11	0.037	ND		0.11	0.035	ND		0.11	0.035
Benzo(a)anthracene	1	ND		0.11	0.021	ND		0.11	0.02	ND		0.1	0.02	ND		0.11	0.02	ND		0.1	0.02	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02
Benzo(a)pyrene	1	ND		0.15	0.046	ND		0.14	0.044	ND		0.14	0.043	ND		0.14	0.044	ND		0.14	0.043	ND		0.15	0.046	ND		0.14	0.044	ND		0.14	0.044
Benzo(b)fluoranthene	1	ND		0.11	0.032	ND		0.11	0.03	ND		0.1	0.03	ND		0.11	0.03	ND		0.1	0.03	ND		0.11	0.032	ND		0.11	0.03	ND		0.11	0.03
Benzo(ghi)perylene	100	ND		0.15	0.022	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.15	0.022	ND		0.14	0.021	ND		0.14	0.021
Benzo(k)fluoranthene	0.8	ND		0.11	0.03	ND		0.11	0.029	ND		0.1	0.028	ND		0.11	0.029	ND		0.1	0.028	ND		0.11	0.03	ND		0.11	0.029	ND		0.11	0.029
Benzoic Acid		ND		0.61	0.19	ND		0.59	0.18	ND		0.57	0.18	ND		0.58	0.18	ND		0.57	0.18	ND		0.61	0.19	ND		0.58	0.18	ND		0.58	0.18
Benzyl Alcohol		ND		0.19	0.057	ND		0.18	0.056	ND		0.18	0.054	ND		0.18	0.055	ND		0.18	0.054	ND		0.19	0.058	ND		0.18	0.055	ND		0.18	0.055
Biphenyl		ND		0.43	0.024	ND		0.41	0.024	ND		0.4	0.023	ND		0.41	0.023	ND		0.4	0.023	ND		0.43	0.024	ND		0.41	0.023	ND		0.41	0.023
Bis(2-chloroethoxy)methane		ND		0.2	0.019	ND		0.2	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.2	0.019	ND		0.19	0.018	ND		0.19	0.018
Bis(2-chloroethyl)ether		ND		0.17	0.025	ND		0.16	0.025	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.17	0.026	ND		0.16	0.024	ND		0.16	0.024
Bis(2-chloroisopropyl)ether		ND		0.22	0.032	ND		0.22	0.031	ND		0.21	0.03	ND		0.21	0.03	ND		0.21	0.03	ND		0.23	0.032	ND		0.21	0.03	ND		0.22	0.031
Bis(2-ethylhexyl)phthalate		ND		0.19	0.065	ND		0.18	0.063	ND		0.18	0.061	ND		0.18	0.062	ND		0.18	0.061	ND		0.19	0.065	ND		0.18	0.062	0.069	J	0.18	0.062
Butyl benzyl phthalate		ND		0.19	0.047	ND		0.18	0.046	ND		0.18	0.044	ND		0.18	0.045	ND		0.18	0.044	ND		0.19	0.048	ND		0.18	0.045	ND		0.18	0.045
Carbazole		ND		0.19	0.018	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.19	0.018	ND		0.18	0.017	ND		0.18	0.018
Chrysene	1	ND		0.11	0.02	ND		0.11	0.019	ND		0.1	0.018	ND		0.11	0.019	ND		0.1	0.018	ND		0.11	0.02	ND		0.11	0.019	ND		0.11	0.019
Di-n-butylphthalate		ND		0.19	0.036	ND		0.18	0.034	ND		0.18	0.033	ND		0.18	0.034	ND		0.18	0.033	ND		0.19	0.036	ND		0.18	0.034	ND		0.18	0.034

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO									RI-SB-09							
Client Sample ID:		RI-SB-08 (31.5-32)				RI-SB-08 (38.5-39)				RI-SB-09 (4.5-5)				RI-SB-09 (7.5-8)			
Lab Sample ID:		L2354548-07				L2354548-08				L2353845-13				L2353845-12			
Date Sampled:		9/18/2023				9/18/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		31.5-32'				38.5-39'				4.5-5'				7.5-8'			
Matrix:		SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate		ND		0.19	0.064	ND		0.18	0.062	ND		0.18	0.06	ND		0.18	0.061
Dibenzo(a,h)anthracene	0.33	ND		0.11	0.022	ND		0.11	0.021	ND		0.1	0.02	ND		0.11	0.021
Dibenzofuran	7	ND		0.19	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017
Diethyl phthalate		ND		0.19	0.017	ND		0.18	0.017	ND		0.18	0.016	ND		0.18	0.016
Dimethyl phthalate		ND		0.19	0.039	ND		0.18	0.038	ND		0.18	0.037	ND		0.18	0.038
Fluoranthene	100	ND		0.11	0.022	ND		0.11	0.021	ND		0.1	0.02	ND		0.11	0.02
Fluorene	30	ND		0.19	0.018	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.017
Hexachlorobenzene	0.33	ND		0.11	0.021	ND		0.11	0.02	ND		0.1	0.02	ND		0.11	0.02
Hexachlorobutadiene		ND		0.19	0.027	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026
Hexachlorocyclopentadiene		ND		0.54	0.17	ND		0.52	0.16	ND		0.5	0.16	ND		0.51	0.16
Hexachloroethane		ND		0.15	0.03	ND		0.14	0.029	ND		0.14	0.028	ND		0.14	0.029
Indeno(1,2,3-cd)pyrene	0.5	ND		0.15	0.026	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025
Isophorone		ND		0.17	0.024	ND		0.16	0.024	ND		0.16	0.023	ND		0.16	0.023
n-Nitrosodi-n-propylamine		ND		0.19	0.029	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.028
Naphthalene	12	0.023	J	0.19	0.023	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022
NDPA/DPA		ND		0.15	0.021	ND		0.14	0.021	ND		0.14	0.02	ND		0.14	0.02
Nitrobenzene		ND		0.17	0.028	ND		0.16	0.027	ND		0.16	0.026	ND		0.16	0.026
p-Chloro-m-cresol		ND		0.19	0.028	ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.027
Pentachlorophenol	0.8	ND		0.15	0.041	ND		0.14	0.04	ND		0.14	0.039	ND		0.14	0.039
Phenanthrene	100	ND		0.11	0.023	ND		0.11	0.022	ND		0.1	0.021	ND		0.11	0.022
Phenol	0.33	ND		0.19	0.028	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027
Pyrene	100	ND		0.11	0.019	ND		0.11	0.018	ND		0.1	0.018	ND		0.11	0.018
Total SVOCs		0.023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																	
Benzene, Propyl-																	
Indane																	
No Tentatively Identified Compounds		ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene																	
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown																	
Unknown		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																	
Unknown Benzene																	
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																	
Unknown Benzene																	
Unknown Benzene																	
Unknown Benzene																	
Unknown Benzene																	
Unknown Indene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		-		-	-	-		-	-	-		-	-	-		-	-
Pesticides (mg/kg)																	
4,4'-DDD	0.0033	0.00114	J	0.00184	0.000655	ND		0.00171	0.000611	ND		0.00172	0.000613	ND		0.00164	0.000587
4,4'-DDE	0.0033	ND		0.00184	0.000424	ND		0.00171	0.000396	ND		0.00172	0.000397	ND		0.00164	0.00038
4,4'-DDT	0.0033	ND		0.00184	0.00148	ND		0.00171	0.00138	ND		0.00172	0.00138	ND		0.00164	0.00132
Aldrin	0.005	ND		0.00184	0.000646	ND		0.00171	0.000604	ND		0.00172	0.000605	ND		0.00164	0.000579
Alpha-BHC	0.02	ND		0.000765	0.000217	ND		0.000714	0.000203	ND		0.000716	0.000203	ND		0.000685	0.000195
Beta-BHC	0.036	ND		0.00184	0.000696	ND		0.00171	0.00065	ND		0.00172	0.000651	ND		0.00164	0.000624
Chlordane		0.0228		0.0153	0.00608	ND		0.0143	0.00568	ND		0.0143	0.00569	ND		0.0137	0.00545
cis-Chlordane	0.094	0.00129	JIP	0.00229	0.00064	ND		0.00214	0.000597	ND		0.00215	0.000598	ND		0.00206	0.000573
Delta-BHC	0.04	ND		0.00184	0.00036	ND		0.00171	0.000336	ND		0.00172	0.000336	ND		0.00164	0.000322
Dieldrin	0.005	ND		0.00115	0.000574	ND		0.00107	0.000536	ND		0.00107	0.000537	ND		0.00103	0.000514
Endosulfan I	2.4	ND		0.00184	0.000434	ND		0.00171	0.000405	ND		0.00172	0.000406	ND		0.00164	0.000388
Endosulfan II	2.4	ND		0.00184	0.000614	ND		0.00171	0.000573	ND		0.00172	0.000574	ND		0.00164	0.00055
Endosulfan sulfate	2.4	ND		0.000765	0.000364	ND		0.000714	0.00034	ND		0.000716	0.000341	ND		0.000685	0.000326
Endrin	0.014	ND		0.000765	0.000314	ND		0.000714	0.000293	ND		0.000716	0.000294	ND		0.000685	0.000281

Boring ID:									RI-SB-10							
Client Sample ID:	RI-SB-09 (13.5-14)				RI-SB-09 (16.5-17)				RI-SB-10 (1.5-2)				RI-SB-10 (9.5.10)			
Lab Sample ID:	L2353845-14				L2353845-15				L2353845-01				L2353845-02			
Date Sampled:	9/14/2023				9/14/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):	13.5-14'				16.5-17'				1.5-2'				9.5-10'			
Matrix:	SOIL				SOIL				SOIL				SOIL			
	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate	ND		0.18	0.06	ND		0.19	0.064	ND		0.18	0.061	ND		0.18	0.061
Dibenzo(a,h)anthracene	ND		0.1	0.02	ND		0.11	0.022	ND		0.11	0.021	ND		0.11	0.021
Dibenzofuran	ND		0.18	0.017	ND		0.19	0.018	ND		0.18	0.017	ND		0.18	0.017
Diethyl phthalate	ND		0.18	0.016	ND		0.19	0.017	ND		0.18	0.016	ND		0.18	0.017
Dimethyl phthalate	ND		0.18	0.037	ND		0.19	0.04	ND		0.18	0.038	ND		0.18	0.038
Fluoranthene	ND		0.1	0.02	ND		0.11	0.022	ND		0.11	0.02	ND		0.11	0.021
Fluorene	ND		0.18	0.017	ND		0.19	0.018	ND		0.18	0.017	ND		0.18	0.018
Hexachlorobenzene	ND		0.1	0.02	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02
Hexachlorobutadiene	ND		0.18	0.026	ND		0.19	0.028	ND		0.18	0.026	ND		0.18	0.026
Hexachlorocyclopentadiene	ND		0.5	0.16	ND		0.54	0.17	ND		0.51	0.16	ND		0.52	0.16
Hexachloroethane	ND		0.14	0.028	ND		0.15	0.03	ND		0.14	0.029	ND		0.14	0.029
Indeno(1,2,3-cd)pyrene	ND		0.14	0.024	ND		0.15	0.026	ND		0.14	0.025	ND		0.14	0.025
Isophorone	ND		0.16	0.023	ND		0.17	0.024	ND		0.16	0.023	ND		0.16	0.023
n-Nitrosodi-n-propylamine	ND		0.18	0.027	ND		0.19	0.029	ND		0.18	0.028	ND		0.18	0.028
Naphthalene	ND		0.18	0.021	ND		0.19	0.023	ND		0.18	0.022	ND		0.18	0.022
NDPA/DPA	ND		0.14	0.02	ND		0.15	0.021	ND		0.14	0.02	ND		0.14	0.02
Nitrobenzene	ND		0.16	0.026	ND		0.17	0.028	ND		0.16	0.026	ND		0.16	0.027
p-Chloro-m-cresol	ND		0.18	0.026	ND		0.19	0.028	ND		0.18	0.027	ND		0.18	0.027
Pentachlorophenol	ND		0.14	0.039	ND		0.15	0.041	ND		0.14	0.039	ND		0.14	0.04
Phenanthrene	ND		0.1	0.021	ND		0.11	0.023	ND		0.11	0.022	ND		0.11	0.022
Phenol	ND		0.18	0.026	ND		0.19	0.028	ND		0.18	0.027	ND		0.18	0.027
Pyrene	ND		0.1	0.017	ND		0.11	0.019	ND		0.11	0.018	ND		0.11	0.018
Total SVOCs	-	-	-	-	-	-	-	-	-	-	-	-	0.069	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																
Benzene, Propyl-																
Indane																
No Tentatively Identified Compounds	ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene																
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown																
Unknown	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																
Unknown Benzene																
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																
Unknown Benzene																
Unknown Benzene																
Unknown Benzene																
Unknown Benzene																
Unknown Indene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds	-		-	-	-		-	-	-		-	-	-		-	-
Pesticides (mg/kg)																
4,4'-DDD	ND		0.00169	0.000603	ND		0.00179	0.000637	ND		0.00172	0.000615	ND		0.00175	0.000625
4,4'-DDE	ND		0.00169	0.000391	ND		0.00179	0.000413	ND		0.00172	0.000399	ND		0.00175	0.000405
4,4'-DDT	ND		0.00169	0.00136	ND		0.00179	0.00144	ND		0.00172	0.00139	ND		0.00175	0.00141
Aldrin	ND		0.00169	0.000595	ND		0.00179	0.000629	ND		0.00172	0.000607	ND		0.00175	0.000617
Alpha-BHC	ND		0.000704	0.0002	ND		0.000745	0.000211	ND		0.000718	0.000204	ND		0.00073	0.000207
Beta-BHC	ND		0.00169	0.000641	ND		0.00179	0.000678	ND		0.00172	0.000654	ND		0.00175	0.000664
Chlordane	ND		0.0141	0.0056	ND		0.0149	0.00592	ND		0.0144	0.00571	ND		0.0146	0.0058
cis-Chlordane	ND		0.00211	0.000589	ND		0.00223	0.000622	ND		0.00216	0.000601	ND		0.00219	0.00061
Delta-BHC	ND		0.00169	0.000331	ND		0.00179	0.00035	ND		0.00172	0.000338	ND		0.00175	0.000343
Dieldrin	ND		0.00106	0.000528	ND		0.00112	0.000558	ND		0.00108	0.000539	ND		0.0011	0.000548
Endosulfan I	ND		0.00169	0.000399	ND		0.00179	0.000422	ND		0.00172	0.000407	ND		0.00175	0.000414
Endosulfan II	ND		0.00169	0.000565	ND		0.00179	0.000597	ND		0.00172	0.000576	ND		0.00175	0.000585
Endosulfan sulfate	ND		0.000704	0.000335	ND		0.000745	0.000354	ND		0.000718	0.000342	ND		0.00073	0.000347
Endrin	ND		0.000704	0.000289	ND		0.000745	0.000305	ND		0.000718	0.000295	ND		0.00073	0.000299

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-08								RI-SB-09												RI-SB-10							
Client Sample ID:		RI-SB-08 (31.5-32)				RI-SB-08 (38.5-39)				RI-SB-09 (4.5-5)				RI-SB-09 (7.5-8)				RI-SB-09 (13.5-14)				RI-SB-09 (16.5-17)				RI-SB-10 (1.5-2)				RI-SB-10 (9.5.10)			
Lab Sample ID:		L2354548-07				L2354548-08				L2353845-13				L2353845-12				L2353845-14				L2353845-15				L2353845-01				L2353845-02			
Date Sampled:	USCO	9/18/2023				9/18/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023				9/14/2023			
Sample Depth (ft bgs):		31.5-32'				38.5-39'				4.5-5'				7.5-8'				13.5-14'				16.5-17'				1.5-2'				9.5-10'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Endrin aldehyde		ND		0.00229	0.000803	ND		0.00214	0.00075	ND		0.00215	0.000752	ND		0.00206	0.00072	ND		0.00211	0.00074	ND		0.00223	0.000782	ND		0.00216	0.000754	ND		0.00219	0.000766
Endrin ketone		ND		0.00184	0.000473	ND		0.00171	0.000441	0.000618	JIP	0.00172	0.000442	0.000436	JIP	0.00164	0.000424	0.000534	JIP	0.00169	0.000435	0.000569	JIP	0.00179	0.00046	ND		0.00172	0.000444	ND		0.00175	0.000451
Heptachlor	0.042	ND		0.000918	0.000412	ND		0.000857	0.000384	ND		0.000859	0.000385	ND		0.000822	0.000369	ND		0.000845	0.000379	ND		0.000894	0.000401	ND		0.000862	0.000386	ND		0.000876	0.000393
Heptachlor epoxide		ND		0.00344	0.00103	ND		0.00321	0.000964	ND		0.00322	0.000966	ND		0.00308	0.000925	ND		0.00317	0.000951	ND		0.00335	0.001	ND		0.00323	0.00097	ND		0.00328	0.000986
Lindane	0.1	ND		0.000765	0.000342	ND		0.000714	0.000319	ND		0.000716	0.00032	ND		0.000685	0.000306	ND		0.000704	0.000315	ND		0.000745	0.000333	ND		0.000718	0.000321	ND		0.00073	0.000326
Methoxychlor		ND		0.00344	0.00107	ND		0.00321	0.001	ND		0.00322	0.001	ND		0.00308	0.000959	ND		0.00317	0.000986	ND		0.00335	0.00104	ND		0.00323	0.00101	ND		0.00328	0.00102
Toxaphene		ND		0.0344	0.00964	ND		0.0321	0.009	ND		0.0322	0.00902	ND		0.0308	0.00863	ND		0.0317	0.00887	ND		0.0335	0.00938	ND		0.0323	0.00905	ND		0.0328	0.0092
trans-Chlordane		0.00245		0.00229	0.000606	ND		0.00214	0.000566	ND		0.00215	0.000567	ND		0.00206	0.000543	ND		0.00211	0.000558	ND		0.00223	0.00059	ND		0.00216	0.000569	ND		0.00219	0.000578
Polychlorinated Biphenyls (mg/kg)																																	
Aroclor 1016	0.1	ND		0.0562	0.00499	ND		0.0516	0.00458	ND		0.051	0.00453	ND		0.0531	0.00472	ND		0.0522	0.00464	ND		0.0527	0.00468	ND		0.0518	0.0046	ND		0.054	0.0048
Aroclor 1221	0.1	ND		0.0562	0.00563	ND		0.0516	0.00517	ND		0.051	0.00511	ND		0.0531	0.00532	ND		0.0522	0.00523	ND		0.0527	0.00528	ND		0.0518	0.00518	ND		0.054	0.00541
Aroclor 1232	0.1	ND		0.0562	0.0119	ND		0.0516	0.0109	ND		0.051	0.0108	ND		0.0531	0.0112	ND		0.0522	0.0111	ND		0.0527	0.0112	ND		0.0518	0.011	ND		0.054	0.0114
Aroclor 1242	0.1	ND		0.0562	0.00758	ND		0.0516	0.00696	ND		0.051	0.00687	ND		0.0531	0.00716	ND		0.0522	0.00704	ND		0.0527	0.0071	ND		0.0518	0.00698	ND		0.054	0.00728
Aroclor 1248	0.1	ND		0.0562	0.00843	ND		0.0516	0.00774	ND		0.051	0.00765	ND		0.0531	0.00796	ND		0.0522	0.00783	ND		0.0527	0.0079	ND		0.0518	0.00776	ND		0.054	0.0081
Aroclor 1254	0.1	ND		0.0562	0.00615	ND		0.0516	0.00565	ND		0.051	0.00558	ND		0.0531	0.00581	ND		0.0522	0.00571	ND		0.0527	0.00576	ND		0.0518	0.00566	ND		0.054	0.00591
Aroclor 1260	0.1	ND		0.0562	0.0104	ND		0.0516	0.00954	ND		0.051	0.00942	ND		0.0531	0.00981	ND		0.0522	0.00965	ND		0.0527	0.00973	ND		0.0518	0.00956	ND		0.054	0.00998
Aroclor 1262	0.1	ND		0.0562	0.00714	ND		0.0516	0.00656	ND		0.051	0.00648	ND		0.0531	0.00674	ND		0.0522	0.00663	ND		0.0527	0.00669	ND		0.0518	0.00657	ND		0.054	0.00686
Aroclor 1268	0.1	ND		0.0562	0.00582	ND		0.0516	0.00535	ND		0.051	0.00528	ND		0.0531	0.0055	ND		0.0522	0.00541	ND		0.0527	0.00546	ND		0.0518	0.00536	ND		0.054	0.0056
PCBs, Total	0.1	ND		0.0562	0.00499	ND		0.0516	0.00458	ND		0.051	0.00453	ND		0.0531	0.00472	ND		0.0522	0.00464	ND		0.0527	0.00468	ND		0.0518	0.0046	ND		0.054	0.0048
Total Metals (mg/kg)																																	
Aluminum, Total		12900		9.21	2.49	13000		8.63	2.33	12600		8.53	2.3	12500		8.19	2.21	13000		8.49	2.29	9120		9	2.43	10700		8.18	2.21	16400		8.44	2.28
Antimony, Total		ND		4.6	0.35	ND		4.31	0.328	ND		4.26	0.324	ND		4.09	0.311	ND		4.25	0.323	ND		4.5	0.342	ND		4.09	0.311	ND		4.22	0.321
Arsenic, Total	13	1.94		0.921	0.192	2.12		0.863	0.179	1.07		0.853	0.177	1.23		0.819	0.17	1.02		0.849	0.177	1.46		0.9	0.187	1.56		0.818	0.17	1.6		0.844	0.176
Barium, Total	350	165		0.921	0.16	177		0.863	0.15	155		0.853	0.148	308		0.819	0.142	163		0.849	0.148	104		0.9	0.157	97.6		0.818	0.142	190		0.844	0.147
Beryllium, Total	7.2	0.374	J	0.46	0.03	0.414	J	0.431	0.029	0.397	J	0.426	0.028	0.372	J	0.409	0.027	0.376	J	0.425	0.028	0.268	J	0.45	0.03	0.345	J	0.409	0.027	0.556		0.422	0.028
Cadmium, Total	2.5	ND		0.921	0.09	ND		0.863	0.085	ND		0.853	0.084	ND		0.819	0.08	ND		0.849	0.083	ND		0.9	0.088	ND		0.818	0.08	ND		0.844	0.083
Calcium, Total		5880		9.21	3.22	6160		8.63	3.02	8580		8.53	2.98	6920		8.19	2.87	7020		8.49	2.97	9170		9	3.15	2400		8.18	2.86	10000		8.44	2.96
Chromium, Total		26.4		0.921	0.088	22.3		0.863	0.083	22.2		0.853	0.082	21.7		0.819	0.079	24.2		0.849	0.082	18.7		0.9	0.086	17.9		0.818	0.079	30.6		0.844	0.081
Cobalt, Total		9.42		1.84	0.153	7.98		1.72	0.143	7.67		1.7	0.142	9.76		1.64	0.136	8.69		1.7	0.141	6.28		1.8	0.149	6.68		1.64	0.136	9.74		1.69	0.14
Copper, Total	50	17		0.921	0.238	16.3		0.863	0.222	16.8		0.853	0.22	17.8		0.819	0.211	19.4		0.849	0.219	15.9		0.9	0.232	15.4		0.818	0.211	33.4		0.844	0.218
Iron, Total		21400		4.6	0.832	21400		4.31	0.779	21500		4.26	0.77	21300		4.09	0.74	22500		4.25	0.767	17100		4.5	0.813	18000		4.09	0.739	28400		4.22	0.762
Lead, Total	63	7.52		4.6	0.247	5.88		4.31	0.231	5.63		4.26	0.228	4.8		4.09	0.219	5.71		4.25	0.228	5.48		4.5	0.241	6.1		4.09	0.219	9.83		4.22	0.226
Magnesium, Total		7810		9.21	1.42	7270		8.63	1.33	7500		8.53	1.31	7430		8.19	1.26	7870		8.49	1.31	6580		9	1.39	4200		8.18	1.26	9750		8.44	1.3
Manganese, Total	1600	246		0.921	0.146	241		0.863	0.137	222		0.853	0.136	1900		0.819	0.13	247		0.849	0.135	236		0.9	0.143	335		0.818	0.13	266		0.844	0.134
Mercury, Total	0.18	ND		0.082	0.053	ND		0.075	0.049	ND		0.078	0.051	ND		0.072	0.047	ND		0.07	0.046	ND		0.072	0.047	ND		0.073	0.047	ND		0.07	0.046
Nickel, Total	30	17.2		2.3	0.223	16.1		2.16	0.209	15.4		2.13	0.206	16.7		2.05	0.198	17.2		2.12	0.206	13.3		2.25	0.218	13.4		2.04	0.198	22.1		2.11	0.204
Potassium, Total		6920		230	13.3	7120		216	12.4	6220		213	12.3	6630		205	11.8	6950		212	12.2	4200		225	13	3600		204	11.8	8480		211	12.2
Selenium, Total	3.9	ND		1.84	0.238	ND		1.72	0.222	ND		1.7	0.22	ND		1.64	0.211	ND		1.7	0.219	ND		1.8	0.232	ND		1.64	0.211	ND		1.69	0.218
Silver, Total	2	0.279	J	0.46	0.261	ND		0.431	0.244	0.273	J	0.426	0.241	ND		0.409	0.232	0.272	J	0.425	0.24	ND		0.45	0.255	ND		0.409	0.232	0.242	J	0.422	0.239
Sodium, Total		140	J	184	2.9	118	J	172	2.72	160	J	170	2.69	122	J	164	2.58	127	J	170	2.68	111	J	180	2.84	88.8	J	164	2.58	142	J	169	2.66
Thallium, Total		5		1.84	0.29	5.23		1.72	0.272	4		1.7	0.269	2.54		1.64	0.258	4.61		1.7	0.268	2.59		1.8	0.284	2.66		1.64	0.258	6.3		1.69	0.266
Vanadium, Total		33.4		0.921	0.187	34.8		0.863	0.175	31.8		0.853	0.173	31.3		0.819	0.166	32		0.849	0.172	21.9		0.9	0.183	25.7		0.818	0.166	41.8		0.844	0.171
Zinc, Total	109	54.2		4.6	0.27	50.4		4.31	0.253	43.4		4.26	0.25	45.7		4.09	0.24	48.9		4.25	0.249	36.4		4.5	0.264	35.9		4.09	0.24	63.2		4.22	0.247
General Chemistry																																	
Cyanide, Total	27	ND		1.1	0.23	ND		1	0.21	ND		1	0.21	ND		1.1	0.23	ND		1	0.22	ND		1.1	0.23	ND		1	0.22	ND		1	0.22
Solids, Total (%)		86.8		0.1	NA	91.2		0.1	NA	91.9		0.1	NA	91.6		0.1	NA	92.5		0.1	NA	86.7		0.1	NA	92.1		0.1	NA	90.9		0.1	NA

Notes:
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
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
Concentration exceeds USCO
Concentration exceeds RRSCO
Reporting Limit exceeds USCO but reported Conc does not

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:						RI-SB-11																											
Client Sample ID:		RI-SB-10 (10.0-10.5)				RI-SB-11 (0.5-1)				RI-SB-11 (7-7.5)				RI-SB-11 (10.5-11)				RI-SB-11 (17-17.5)				RI-SB-11 (23.5-24)				DUP20230919				RI-SB-12 (2-2.5)			
Lab Sample ID:		L2353845-05				L2354975-01				L2354975-02				L2354975-03				L2354975-04				L2354975-05				L2354975-06				L2353482-06			
Date Sampled:	USCO	9/14/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/13/2023			
Sample Depth (ft bgs):		10-10.5'				0.5-1'				7-7.5'				10.5-11'				17-17.5'				23.5-24'								2-2.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)																																	
1,1,1,2-Tetrachloroethane		ND		0.00048	0.00012	ND		0.0005	0.00013	ND		0.00055	0.00014	ND		0.00056	0.00015	ND		0.00058	0.00015	ND		0.00058	0.00015	ND		0.00049	0.00013	ND		0.00051	0.00014
1,1,1-Trichloroethane	0.68	ND		0.00048	0.00016	ND		0.0005	0.00017	ND		0.00055	0.00018	ND		0.00056	0.00019	ND		0.00058	0.00019	ND		0.00058	0.00019	ND		0.00049	0.00016	ND		0.00051	0.00017
1,1,2,2-Tetrachloroethane		ND		0.00048	0.00016	ND		0.0005	0.00017	ND		0.00055	0.00018	ND		0.00056	0.00019	ND		0.00058	0.00019	ND		0.00058	0.00019	ND		0.00049	0.00016	ND		0.00051	0.00017
1,1,2-Trichloroethane		ND		0.00095	0.00025	ND		0.001	0.00027	ND		0.0011	0.00029	ND		0.0011	0.0003	ND		0.0012	0.00031	ND		0.0012	0.00031	ND		0.00098	0.00026	ND		0.001	0.00027
1,1-Dichloroethane	0.27	ND		0.00095	0.00014	ND		0.001	0.00015	ND		0.0011	0.00016	ND		0.0011	0.00016	ND		0.0012	0.00017	ND		0.0012	0.00017	ND		0.00098	0.00014	ND		0.001	0.00015
1,1-Dichloroethene	0.33	ND		0.00095	0.00023	ND		0.001	0.00024	ND		0.0011	0.00026	ND		0.0011	0.00027	ND		0.0012	0.00027	ND		0.0012	0.00028	ND		0.00098	0.00023	ND		0.001	0.00024
1,1-Dichloropropene		ND		0.00048	0.00015	ND		0.0005	0.00016	ND		0.00055	0.00017	ND		0.00056	0.00018	ND		0.00058	0.00018	ND		0.00058	0.00018	ND		0.00049	0.00016	ND		0.00051	0.00016
1,2,3-Trichlorobenzene		ND		0.0019	0.00031	ND		0.002	0.00032	ND		0.0022	0.00035	ND		0.0022	0.00036	ND		0.0023	0.00037	ND		0.0023	0.00037	ND		0.002	0.00031	ND		0.002	0.00033
1,2,3-Trichloropropane		ND		0.0019	0.00012	ND		0.002	0.00013	ND		0.0022	0.00014	ND		0.0022	0.00014	ND		0.0023	0.00015	ND		0.0023	0.00015	ND		0.002	0.00012	ND		0.002	0.00013
1,2,4,5-Tetramethylbenzene		0.057		0.0019	0.00018	ND		0.002	0.00019	ND		0.0022	0.00021	ND		0.0022	0.00022	ND		0.0023	0.00022	ND		0.0023	0.00022	ND		0.002	0.00019	ND		0.002	0.0002
1,2,4-Trichlorobenzene		ND		0.0019	0.00026	ND		0.002	0.00027	ND		0.0022	0.0003	ND		0.0022	0.00031	ND		0.0023	0.00031	ND		0.0023	0.00032	ND		0.002	0.00026	ND		0.002	0.00028
1,2,4-Trimethylbenzene	3.6	0.072		0.0019	0.00032	ND		0.002	0.00034	ND		0.0022	0.00037	ND		0.0022	0.00038	ND		0.0023	0.00038	ND		0.0023	0.00039	ND		0.002	0.00033	ND		0.002	0.00034
1,2-Dibromo-3-chloropropane		ND		0.0028	0.00095	ND		0.003	0.001	ND		0.0033	0.0011	ND		0.0034	0.0011	ND		0.0034	0.0011	ND		0.0035	0.0012	ND		0.0029	0.00097	ND		0.0031	0.001
1,2-Dibromoethane		ND		0.00095	0.00026	ND		0.001	0.00028	ND		0.0011	0.0003	ND		0.0011	0.00031	ND		0.0012	0.00032	ND		0.0012	0.00032	ND		0.00098	0.00027	ND		0.001	0.00028
1,2-Dichlorobenzene	1.1	ND		0.0019	0.00014	ND		0.002	0.00014	ND		0.0022	0.00016	ND		0.0022	0.00016	ND		0.0023	0.00016	ND		0.0023	0.00017	0.00091	J	0.002	0.00014	ND		0.002	0.00015
1,2-Dichloroethane	0.02	ND		0.00095	0.00024	ND		0.001	0.00026	ND		0.0011	0.00028	ND		0.0011	0.00029	ND		0.0012	0.0003	ND		0.0012	0.0003	ND		0.00098	0.00025	ND		0.001	0.00026
1,2-Dichloroethene, Total		ND		0.00095	0.00013	ND		0.001	0.00014	ND		0.0011	0.00015	ND		0.0011	0.00015	ND		0.0012	0.00016	ND		0.0012	0.00016	ND		0.00098	0.00013	ND		0.001	0.00014
1,2-Dichloropropane		ND		0.00095	0.00012	ND		0.001	0.00012	ND		0.0011	0.00014	ND		0.0011	0.00014	ND		0.0012	0.00014	ND		0.0012	0.00014	ND		0.00098	0.00012	ND		0.001	0.00013
1,3,5-Trimethylbenzene	8.4	0.031		0.0019	0.00018	ND		0.002	0.00019	ND		0.0022	0.00021	ND		0.0022	0.00022	ND		0.0023	0.00022	ND		0.0023	0.00022	ND		0.002	0.00019	ND		0.002	0.0002
1,3-Dichlorobenzene	2.4	ND		0.0019	0.00014	ND		0.002	0.00015	ND		0.0022	0.00016	ND		0.0022	0.00017	ND		0.0023	0.00017	ND		0.0023	0.00017	ND		0.002	0.00014	ND		0.002	0.00015
1,3-Dichloropropane		ND		0.0019	0.00016	ND		0.002	0.00017	ND		0.0022	0.00018	ND		0.0022	0.00019	ND		0.0023	0.00019	ND		0.0023	0.00019	ND		0.002	0.00016	ND		0.002	0.00017
1,3-Dichloropropene, Total		ND		0.00048	0.00015	ND		0.0005	0.00016	ND		0.00055	0.00017	ND		0.00056	0.00018	ND		0.00058	0.00018	ND		0.00058	0.00018	ND		0.00049	0.00015	ND		0.00051	0.00016
1,4-Dichlorobenzene	1.8	ND		0.0019	0.00016	ND		0.002	0.00017	ND		0.0022	0.00019	ND		0.0022	0.00019	ND		0.0023	0.0002	ND		0.0023	0.0002	0.00032	J	0.002	0.00017	ND		0.002	0.00018
1,4-Dioxane	0.1	ND		0.076	0.033	ND		0.081	0.035	ND		0.088	0.038	ND		0.09	0.04	ND		0.092	0.04	ND		0.093	0.041	ND		0.078	0.034	ND		0.082	0.036
2,2-Dichloropropane		ND		0.0019	0.00019	ND		0.002	0.0002	ND		0.0022	0.00022	ND		0.0022	0.00023	ND		0.0023	0.00023	ND		0.0023	0.00023	ND		0.002	0.0002	ND		0.002	0.00021
2-Butanone	0.12	ND		0.0095	0.0021	ND		0.01	0.0022	ND		0.011	0.0024	ND		0.011	0.0025	ND		0.012	0.0026	ND		0.012	0.0026	ND		0.0098	0.0022	ND		0.01	0.0023
2-Hexanone		ND		0.0095	0.0011	ND		0.01	0.0012	ND		0.011	0.0013	ND		0.011	0.0013	ND		0.012	0.0014	ND		0.012	0.0014	ND		0.0098	0.0012	ND		0.01	0.0012
4-Methyl-2-pentanone		ND		0.0095	0.0012	ND		0.01	0.0013	ND		0.011	0.0014	ND		0.011	0.0014	ND		0.012	0.0015	ND		0.012	0.0015	ND		0.0098	0.0012	ND		0.01	0.0013
Acetone	0.05	0.062		0.0095	0.0046	ND		0.01	0.0048	ND		0.011	0.0053	ND		0.011	0.0054	ND		0.012	0.0055	ND		0.012	0.0056	ND		0.0098	0.0047	ND		0.01	0.0049
Acrylonitrile		ND		0.0038	0.0011	ND		0.004	0.0012	ND		0.0044	0.0013	ND		0.0045	0.0013	ND		0.0046	0.0013	ND		0.0046	0.0013	ND		0.0039	0.0011	ND		0.0041	0.0012
Benzene	0.06	ND		0.00048	0.00016	ND		0.0005	0.00017	ND		0.00055	0.00018	ND		0.00056	0.00019	ND		0.00058	0.00019	ND		0.00058	0.00019	ND		0.00049	0.00016	ND		0.00051	0.00017
Bromobenzene		ND		0.0019	0.00014	ND		0.002	0.00015	ND		0.0022	0.00016	ND		0.0022	0.00016	ND		0.0023	0.00017	ND		0.0023	0.00017	ND		0.002	0.00014	ND		0.002	0.00015
Bromochloromethane		ND		0.0019	0.0002	ND		0.002	0.00021	ND		0.0022	0.00022	ND		0.0022	0.00023	ND		0.0023	0.00024	ND		0.0023	0.00024	ND		0.002	0.0002	ND		0.002	0.00021
Bromodichloromethane		ND		0.00048	0.0001	ND		0.0005	0.00011	ND		0.00055	0.00012	ND		0.00056	0.00012	ND		0.00058	0.00012	ND		0.00058	0.00013	ND		0.00049	0.00011	ND		0.00051	0.00011
Bromoform		ND		0.0038	0.00023	ND		0.004	0.00025	ND		0.0044	0.00027	ND		0.0045	0.00028	ND		0.0046	0.00028	ND		0.0046	0.00028	ND		0.0039	0.00024	ND		0.0041	0.00025
Bromomethane		ND		0.0019	0.00055	ND		0.002	0.00058	ND		0.0022	0.00064	ND		0.0022	0.00066	ND		0.0023	0.00067	ND		0.0023	0.00067	ND		0.002	0.00057	ND		0.002	0.0006
Carbon disulfide		ND		0.0095	0.0043	ND		0.01	0.0046	ND		0.011	0.005	ND		0.011	0.0051	ND		0.012	0.0052	ND		0.012	0.0053	ND		0.0098	0.0044	ND		0.01	0.0047
Carbon tetrachloride	0.76	ND		0.00095	0.00022	ND		0.001	0.00023	ND		0.0011	0.00025	ND		0.0011	0.00026	ND		0.0012	0.00026	ND		0.0012	0.00027	ND		0.00098	0.00022	ND		0.001	0.00024
Chlorobenzene	1.1	ND		0.00048	0.00012	ND		0.0005	0.00013	ND		0.00055	0.00014	ND		0.00056	0.00014	ND		0.00058	0.00015	ND		0.00058	0.00015	ND		0.00049	0.00012	ND		0.00051	0.00013
Chloroethane		ND		0.0019	0.00043	ND		0.002	0.00046	ND		0.0022	0.0005	ND		0.0022	0.00051	ND		0.0023	0.00052	ND		0.0023	0.00052	ND		0.002	0.00044	ND		0.002	0.00046
Chloroform	0.37	ND		0.0014	0.00013	ND		0.0015	0.00014	ND		0.0016	0.00015	ND		0.0017	0.00016	ND		0.0017	0.00016	ND		0.0017	0.00016	ND		0.0015	0.00014	ND		0.0015	0.00014
Chloromethane		ND		0.0038	0.00089	ND		0.004	0.00094	ND		0.0044	0.001	ND		0.0045	0.001	ND		0.0046	0.0011	ND		0.0046	0.0011	ND		0.0039	0.00091	ND		0.0041	0.00095
cis-1,2-Dichloroethene	0.25	ND		0.00095	0.00017	ND		0.001	0.00018	ND		0.0011	0.00019	ND		0.0011	0.0002	ND		0.0012	0.0002	ND		0.0012	0.0002	ND		0.00098	0.00017	ND		0.001	0.00018
cis-1,3-Dichloropropene		ND		0.00048	0.00015	ND		0.0005	0.00016	ND		0.00055	0.00017	ND		0.00056	0.00018	ND		0.00058	0.00018	ND		0.00058	0.00018	ND		0.00049	0.00015	ND		0.00051	0.00016
Dibromochloromethane		ND		0.00095	0.00013	ND		0.001	0.00014	ND		0.0011	0.00015	ND		0.0011	0.00016	ND		0.0012	0.00016	ND		0.0012	0.00016	ND		0.00098	0.00014	ND		0.001	0.00014
Dibromomethane		ND		0.0019	0.00023	ND		0.002	0.00024	ND		0.0022	0.00026	ND		0.0022	0.00027	ND		0.0023	0.00027	ND		0.0023	0.00028	ND		0.002	0.00023	ND		0.002	0.00024
Dichlorodifluoromethane		ND		0.0095	0.00087	ND		0.01	0.00092	ND		0.011	0.001	ND		0.011	0.001	ND		0.012	0.001	ND		0.012	0.0011	ND		0.0098	0.00089	ND		0.01	0.00094
Ethyl ether		ND		0.0019	0.00032	ND		0.002	0.00034	ND		0.0022	0.00037	ND		0.0022	0.00038	ND		0.0023	0.00039	ND		0.0023	0.0004	ND		0.002	0.00033	ND		0.002	0.00035
Ethylbenzene	1	0.0083		0.00095	0.00013	ND		0.001	0.00014	ND		0.0011	0.00015	ND		0.0011	0.00016	ND		0.0012	0.00016	ND		0.0012	0.00016	ND		0.00098	0.00014	ND		0.001	0.00014
Hexachlorobutadiene		ND		0.0038	0.00016	ND		0.004	0.00017	ND		0.0044	0.00018	ND		0.0045	0.00019	ND		0.0046	0.00019	ND		0.0046	0.0002	ND		0.0039	0.00016	ND		0.0041	0.00017
Isopropylbenzene		0.014		0.00095	0.0001	ND		0.001	0.00011	ND		0.0011	0.00012	ND		0.0011	0.00012	ND		0.0012	0.00012	ND		0.0012	0.00013	ND		0.00098	0.00011	ND		0.001	0.00011
Methyl tert butyl ether	0.93	ND		0.0019	0.00019	ND		0.002	0.0002	ND		0.0022	0.00022	ND		0.0022	0.00023	ND		0.0023	0.00023	ND		0.0023	0.00023	ND		0.002	0.0002	ND		0.002	0.0002
Methylene chloride	0.05	ND		0.0048	0.0022	ND		0.005	0.0023	ND		0.0055	0.0025	ND		0.0056	0.0026	ND		0.0058	0.0026	ND		0.0058	0.0026	ND		0.0049	0.0022	ND		0.0051	0.0023
n-Butylbenzene	12	0.017		0.00095	0.00016	ND		0.001	0.00017	ND		0.0011	0.00018	ND		0.0011	0.00019	ND		0.0012	0.00019	ND		0.0012	0.00019	ND		0.00098	0.00016	ND		0.001	0.00017
n-Propylbenzene	3.9	0.029		0.00095	0.00016	ND		0.001	0.00017	ND		0.0011	0.00019	ND		0.0011	0.00019	ND		0.0012	0.0002	ND		0.0012	0.0002	ND		0.00098	0.00017	ND		0.001	0.00018
Naphthalene	12	0.015		0.0038	0.00062	ND		0.004	0.00066	ND		0.0044	0.00071	ND		0.0045	0.00073	ND		0.0046	0.00075	ND		0.0046	0.00075	ND		0.0039	0.00063	ND		0.0041	0.00067
o-Chlorotoluene		ND		0.0019	0.00018	ND		0.002	0.00019	ND		0.0022	0.00021	ND		0.0022	0.00022	ND		0.0023	0.00022	ND		0.0023	0.00022	ND		0.002	0.00019	ND		0.002	0.0002
o-Xylene		0.0044		0.00095	0.00028	ND		0.001	0.00029	ND		0.0011	0.00032	ND		0.0011	0.00033	ND		0.0012	0.00033	ND		0.0012	0.00034	ND		0.00098	0.00028	ND		0.001	0.0003
p-Chlorotoluene		ND		0.0019	0.0001	ND		0.002	0.00011	ND		0.0022	0.00012	ND		0.0022	0.00012	ND		0.0023	0.00012	ND		0.0023	0.00012	ND		0.002	0.0001	ND		0.002	0.00011
p-Diethylbenzene		0.021		0.0019	0.00017	ND		0.002	0.00018	ND		0.0022	0.00019	ND		0.0022	0.0002	ND		0.0023	0.0002	ND		0.0023	0.0002	ND		0.002	0.00017	ND		0.002	0.00018
p-Ethyltoluene		0.06		0.0019	0.00036	ND		0.002	0.00039	ND		0.0022	0.00042	ND		0.0022	0.00043	ND		0.0023	0.00044	ND		0.0023	0.00044	ND		0.002	0.00037	ND		0.002	0.00039
p-Isopropyltoluene		0.0025		0.00095	0.0001	ND		0.001	0.00011	ND		0.0011	0.00012	ND		0.0011	0.00012	ND		0.0012	0.00012	ND		0.0012	0.00013	ND		0.00098	0.00011	ND		0.001	0.00011
p/m-Xylene		0.034		0.0019	0.00053	ND		0.002	0.00056	ND		0.0022	0.00061	ND		0.0022	0.00063	ND		0.0023	0.00064	ND		0.0023	0.00065	ND		0.002	0.00055	ND		0.002	0.00057
sec-Butylbenzene	11	0.017		0.00095	0.00014	ND		0.001	0.00015	ND		0.0011	0.00016	ND		0.0011	0.00016	ND		0.0012	0.00017	ND		0.0012	0.00017	ND		0.00098	0.00014	ND		0.001	0.00015
Styrene		ND		0.00095	0.00019	ND		0.001	0.0002	ND		0.0011	0.00021	ND		0.0011	0.00022	ND		0.0012	0.00022	ND		0.0012	0.00023	ND		0.00098	0.00019	ND		0.001	0.0002
tert-Butylbenzene	5.9	0.0017	J	0.0019	0.00011	ND		0.002	0.00012	ND		0.0022	0.00013	ND		0.0022	0.00013	ND		0.0023	0.00014	ND		0.0023	0.00014	ND		0.002	0.00012	ND		0.002	0.00012
Tetrachloroethene	1.3	ND		0.00048	0.00019	ND		0.0005	0.0002	ND		0.00055	0.00021	ND		0.00056	0.00022	ND		0.00058	0.00022	ND		0.00058	0.00023	ND		0.00049	0.00019	ND		0.00051	0.0002

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO					RI-SB-11																											
Client Sample ID:		RI-SB-10 (10.0-10.5)				RI-SB-11 (0.5-1)				RI-SB-11 (7-7.5)				RI-SB-11 (10.5-11)				RI-SB-11 (17-17.5)				RI-SB-11 (23.5-24)				DUP20230919				RI-SB-12 (2-2.5)			
Lab Sample ID:		L2353845-05				L2354975-01				L2354975-02				L2354975-03				L2354975-04				L2354975-05				L2354975-06				L2353482-06			
Date Sampled:		9/14/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/13/2023			
Sample Depth (ft bgs):		10-10.5'				0.5-1'				7-7.5'				10.5-11'				17-17.5'				23.5-24'								2-2.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Toluene	0.7	ND		0.00095	0.00052	ND		0.001	0.00055	ND		0.0011	0.0006	ND		0.0011	0.00061	ND		0.0012	0.00062	ND		0.0012	0.00063	ND		0.00098	0.00053	ND		0.001	0.00056
trans-1,2-Dichloroethene	0.19	ND		0.0014	0.00013	ND		0.0015	0.00014	ND		0.0016	0.00015	ND		0.0017	0.00015	ND		0.0017	0.00016	ND		0.0017	0.00016	ND		0.0015	0.00013	ND		0.0015	0.00014
trans-1,3-Dichloropropene		ND		0.00095	0.00026	ND		0.001	0.00028	ND		0.0011	0.0003	ND		0.0011	0.00031	ND		0.0012	0.00031	ND		0.0012	0.00032	ND		0.00098	0.00027	ND		0.001	0.00028
trans-1,4-Dichloro-2-butene		ND		0.0048	0.0014	ND		0.005	0.0014	ND		0.0055	0.0016	ND		0.0056	0.0016	ND		0.0058	0.0016	ND		0.0058	0.0016	ND		0.0049	0.0014	ND		0.0051	0.0014
Trichloroethene	0.47	ND		0.00048	0.00013	ND		0.0005	0.00014	ND		0.00055	0.00015	ND		0.00056	0.00015	ND		0.00058	0.00016	ND		0.00058	0.00016	ND		0.00049	0.00013	ND		0.00051	0.00014
Trichlorofluoromethane		ND		0.0038	0.00066	ND		0.004	0.0007	ND		0.0044	0.00076	ND		0.0045	0.00078	ND		0.0046	0.0008	ND		0.0046	0.00081	ND		0.0039	0.00068	ND		0.0041	0.00071
Vinyl acetate		ND		0.0095	0.002	ND		0.01	0.0022	ND		0.011	0.0024	ND		0.011	0.0024	ND		0.012	0.0025	ND		0.012	0.0025	ND		0.0098	0.0021	ND		0.01	0.0022
Vinyl chloride	0.02	ND		0.00095	0.00032	ND		0.001	0.00034	ND		0.0011	0.00037	ND		0.0011	0.00038	ND		0.0012	0.00038	ND		0.0012	0.00039	ND		0.00098	0.00033	ND		0.001	0.00034
Xylenes, Total	0.26	0.038		0.00095	0.00028	ND		0.001	0.00029	ND		0.0011	0.00032	ND		0.0011	0.00033	ND		0.0012	0.00033	ND		0.0012	0.00034	ND		0.00098	0.00028	ND		0.001	0.0003
Total VOCs		0.4459	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00123	-	-	-	-	-	-	-
Volatile Organic Compounds - TIC (mg/kg)																																	
1-Propene, 2-methyl-		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Butane, 2-Methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Cyclohexane, methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Cyclopentane, Methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Cyclotrisiloxane, Hexamethyl-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Decane, 4-methyl-		0.102	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Heptane																										-		-	-				
Heptane, 2-methyl-																										-		-	-				
Heptane, 3-methyl-																										-		-	-				
Hexane, 2,2,4-trimethyl-																										-		-	-				
Hexane, 2,5-dimethyl-		0.0762	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Hexane, 2-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Hexane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Indane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
n-Hexane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
No Tentatively Identified Compounds		-		-	-	ND		0	0	ND		0	0	-		-	-	-		-	-	ND		0	0	ND		0	0	ND		0	0
Nonane (C9)																										-		-	-				
Nonane, 4-methyl-																										-		-	-				
Octane																										-		-	-				
Octane, 2,6-dimethyl-																										-		-	-				
Octane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Pentane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Pentane, 2,3,3-trimethyl-		0.26	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Pentane, 2,3,4-trimethyl-		0.19	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Pentane, 2,3-dimethyl-		0.0628	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Pentane, 2-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Pentane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-		-	-	0.00237	J	0	0	0.00247	J	0	0	-		-	-	-		-	-	-		-	-
Unknown		0.103	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown		0.0747	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane																										-		-	-				
Unknown Alkane																										-		-	-				
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Alkane		0.149	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Alkane		0.265	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Alkane																										-		-	-				
Unknown Aromatic		0.071	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Aromatic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Aromatic		0.0879	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Benzene																										-		-	-				
Unknown Benzene																										-		-	-				
Unknown Benzene		0.128	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Benzene																										-		-	-				
Unknown Benzene																										-		-	-				
Unknown Benzene		0.0761	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Cycloalkane		0.0638	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Unknown Cyclohexane		0.113	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Total TIC Compounds		1.82	J	0	0	-		-	-	-		-	-	0.00237	J	0	0	0.00247	J	0	0	-		-	-	-		-	-	-		-	-
Perfluorinated Alkyl Acids (ug/kg)																																	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		ND		0.00057	0.000327	ND		0.00055	0.000316	ND		0.000531	0.000305	ND		0.000533	0.000306	ND		0.000513	0.000294	ND		0.000533	0.000306	ND		0.000539	0.000309	ND		0.00054	0.00031
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		ND		0.00057	0.000205	ND		0.00055	0.000197	ND		0.000531	0.00019	ND		0.000533	0.000191	ND		0.000513	0.000184	ND		0.000533	0.000191	ND		0.000539	0.000193	ND		0.00054	0.000194

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:																															
		RI-SB-11																										RI-SB-12			
Client Sample ID:		RI-SB-10 (10.0-10.5)				RI-SB-11 (0.5-1)				RI-SB-11 (7-7.5)				RI-SB-11 (10.5-11)				RI-SB-11 (17-17.5)				RI-SB-11 (23.5-24)				DUP20230919				RI-SB-12 (2-2.5)			
Lab Sample ID:		L2353845-05				L2354975-01				L2354975-02				L2354975-03				L2354975-04				L2354975-05				L2354975-06				L2353482-06			
Date Sampled:	USCO	9/14/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/13/2023			
Sample Depth (ft bgs):		10-10.5'				0.5-1'				7-7.5'				10.5-11'				17-17.5'				23.5-24'								2-2.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		ND		0.00057	0.000096	ND		0.00055	0.000093	ND		0.000531	0.00009	ND		0.000533	0.00009	ND		0.000513	0.000087	ND		0.000533	0.00009	ND		0.000539	0.000091	ND		0.00054	0.000091
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		ND		0.00057	0.00023	ND		0.00055	0.000222	ND		0.000531	0.000214	ND		0.000533	0.000215	ND		0.000513	0.000207	ND		0.000533	0.000215	ND		0.000539	0.000217	ND		0.00054	0.000218
Perfluorobutanesulfonic Acid (PFBS)		ND		0.000285	0.000045	ND		0.000275	0.000043	ND		0.000265	0.000041	ND		0.000267	0.000042	ND		0.000256	0.00004	ND		0.000266	0.000042	ND		0.000269	0.000042	ND		0.00027	0.000042
Perfluorobutanoic Acid (PFBA)		ND		0.00057	0.000026	ND		0.00055	0.000025	ND		0.000531	0.000024	ND		0.000533	0.000024	ND		0.000513	0.000023	ND		0.000533	0.000024	ND		0.000539	0.000025	ND		0.00054	0.000025
Perfluorodecanesulfonic Acid (PFDS)		ND		0.00057	0.000174	ND		0.00055	0.000168	ND		0.000531	0.000162	ND		0.000533	0.000163	ND		0.000513	0.000157	ND		0.000533	0.000163	ND		0.000539	0.000165	ND		0.00054	0.000165
Perfluorodecanoic Acid (PFDA)		ND		0.000285	0.000076	ND		0.000275	0.000074	ND		0.000265	0.000071	ND		0.000267	0.000072	ND		0.000256	0.000069	ND		0.000266	0.000071	ND		0.000269	0.000072	ND		0.00027	0.000072
Perfluorododecanoic Acid (PFDoA)		ND		0.00057	0.00008	ND		0.00055	0.000077	ND		0.000531	0.000074	ND		0.000533	0.000075	ND		0.000513	0.000072	ND		0.000533	0.000075	ND		0.000539	0.000075	ND		0.00054	0.000076
Perfluoroheptanesulfonic Acid (PFHpS)		ND		0.00057	0.000156	ND		0.00055	0.00015	ND		0.000531	0.000145	ND		0.000533	0.000146	ND		0.000513	0.00014	ND		0.000533	0.000146	ND		0.000539	0.000147	ND		0.00054	0.000148
Perfluoroheptanoic Acid (PFHpA)		ND		0.000285	0.000051	ND		0.000275	0.00005	ND		0.000265	0.000048	ND		0.000267	0.000048	ND		0.000256	0.000046	ND		0.000266	0.000048	ND		0.000269	0.000049	ND		0.00027	0.000049
Perfluorohexanesulfonic Acid (PFHxS)		ND		0.000285	0.000069	ND		0.000275	0.000067	ND		0.000265	0.000064	ND		0.000267	0.000065	ND		0.000256	0.000062	ND		0.000266	0.000065	ND		0.000269	0.000065	ND		0.00027	0.000065
Perfluorohexanoic Acid (PFHxA)		ND		0.00057	0.00006	ND		0.00055	0.000058	ND		0.000531	0.000056	ND		0.000533	0.000056	ND		0.000513	0.000054	ND		0.000533	0.000056	ND		0.000539	0.000057	ND		0.00054	0.000057
Perfluorononanoic Acid (PFNA)		ND		0.000285	0.000086	ND		0.000275	0.000082	ND		0.000265	0.00008	ND		0.000267	0.00008	ND		0.000256	0.000077	ND		0.000266	0.00008	ND		0.000269	0.000081	ND		0.00027	0.000081
Perfluorooctanesulfonamide (FOSA)		ND		0.00057	0.000112	ND		0.00055	0.000108	ND		0.000531	0.000104	ND		0.000533	0.000104	ND		0.000513	0.0001	ND		0.000533	0.000104	ND		0.000539	0.000106	ND		0.00054	0.000106
Perfluorooctanesulfonic Acid (PFOS)	0.88	ND		0.000285	0.000148	ND		0.000275	0.000143	ND		0.000265	0.000138	ND		0.000267	0.000139	ND		0.000256	0.000133	ND		0.000266	0.000138	ND		0.000269	0.00014	ND		0.00027	0.00014
Perfluorooctanoic Acid (PFOA)	0.66	ND		0.000285	0.000048	ND		0.000275	0.000046	ND		0.000265	0.000045	ND		0.000267	0.000045	ND		0.000256	0.000043	ND		0.000266	0.000045	ND		0.000269	0.000045	ND		0.00027	0.000045
Perfluoropentanoic Acid (PFPeA)		ND		0.00057	0.000053	ND		0.00055	0.000051	ND		0.000531	0.000049	ND		0.000533	0.000049	ND		0.000513	0.000047	ND		0.000533	0.000049	ND		0.000539	0.00005	ND		0.00054	0.00005
Perfluorotetradecanoic Acid (PFTA)		ND		0.00057	0.000062	ND		0.00055	0.000059	ND		0.000531	0.000057	ND		0.000533	0.000058	ND		0.000513	0.000055	ND		0.000533	0.000058	ND		0.000539	0.000058	ND		0.00054	0.000058
Perfluorotridecanoic Acid (PFTrDA)		ND		0.00057	0.000233	ND		0.00055	0.000225	ND		0.000531	0.000217	ND		0.000533	0.000218	ND		0.000513	0.00021	ND		0.000533	0.000218	ND		0.000539	0.00022	ND		0.00054	0.000221
Perfluoroundecanoic Acid (PFUnA)		ND		0.00057	0.000053	ND		0.00055	0.000051	ND		0.000531	0.00005	ND		0.000533	0.00005	ND		0.000513	0.000048	ND		0.000533	0.00005	ND		0.000539	0.00005	ND		0.00054	0.000051
PFOA/PFOS, Total		ND		0.000285	0.000048	ND		0.000275	0.000046	ND		0.000265	0.000045	ND		0.000267	0.000045	ND		0.000256	0.000043	ND		0.000266	0.000045	ND		0.000269	0.000045	ND		0.00027	0.000045
Semi-Volatile Organic Compounds (mg/kg)																																	
1,2,4,5-Tetrachlorobenzene		ND		0.19	0.02	ND		0.18	0.019	ND		0.17	0.018	ND		0.17	0.018	ND		0.17	0.018	ND		0.17	0.018	ND		0.18	0.018	ND		0.18	0.019
1,2,4-Trichlorobenzene		ND		0.19	0.022	ND		0.18	0.021	ND		0.17	0.02	ND		0.17	0.02	ND		0.17	0.02	ND		0.17	0.02	ND		0.18	0.02	ND		0.18	0.021
1,2-Dichlorobenzene	1.1	ND		0.19	0.034	ND		0.18	0.033	ND		0.17	0.031	ND		0.17	0.031	ND		0.17	0.031	ND		0.17	0.031	ND		0.18	0.032	ND		0.18	0.032
1,3-Dichlorobenzene	2.4	ND		0.19	0.033	ND		0.18	0.031	ND		0.17	0.03	ND		0.17	0.03	ND		0.17	0.03	ND		0.17	0.03	ND		0.18	0.03	ND		0.18	0.031
1,4-Dichlorobenzene	1.8	ND		0.19	0.033	ND		0.18	0.032	ND		0.17	0.03	ND		0.17	0.03	ND		0.17	0.03	ND		0.17	0.03	ND		0.18	0.031	ND		0.18	0.032
1,4-Dioxane	0.1	ND		0.029	0.0088	ND		0.027	0.0084	ND		0.026	0.008	ND		0.026	0.0079	ND		0.026	0.008	ND		0.026	0.008	ND		0.026	0.0081	ND		0.027	0.0083
2,4,5-Trichlorophenol		ND		0.19	0.037	ND		0.18	0.035	ND		0.17	0.033	ND		0.17	0.033	ND		0.17	0.033	ND		0.17	0.033	ND		0.18	0.034	ND		0.18	0.035
2,4,6-Trichlorophenol		ND		0.12	0.036	ND		0.11	0.034	ND		0.1	0.033	ND		0.1	0.033	ND		0.1	0.033	ND		0.1	0.033	ND		0.11	0.034	ND		0.11	0.034
2,4-Dichlorophenol		ND		0.17	0.031	ND		0.16	0.029	ND		0.16	0.028	ND		0.16	0.028	ND		0.16	0.028	ND		0.16	0.028	ND		0.16	0.028	ND		0.16	0.029
2,4-Dimethylphenol		ND		0.19	0.063	ND		0.18	0.06	ND		0.17	0.057	ND		0.17	0.057	ND		0.17	0.057	ND		0.17	0.058	ND		0.18	0.058	ND		0.18	0.06
2,4-Dinitrophenol		ND		0.92	0.089	ND		0.88	0.085	ND		0.83	0.08	ND		0.83	0.08	ND		0.83	0.081	ND		0.84	0.081	ND		0.85	0.082	ND		0.87	0.084
2,4-Dinitrotoluene		ND		0.19	0.038	ND		0.18	0.036	ND		0.17	0.034	ND		0.17	0.034	ND		0.17	0.035	ND		0.17	0.035	ND		0.18	0.035	ND		0.18	0.036
2,6-Dinitrotoluene		ND		0.19	0.033	ND		0.18	0.031	ND		0.17	0.03	ND		0.17	0.03	ND		0.17	0.03	ND		0.17	0.03	ND		0.18	0.03	ND		0.18	0.031
2-Chloronaphthalene		ND		0.19	0.019	ND		0.18	0.018	ND		0.17	0.017	ND		0.17	0.017	ND		0.17	0.017	ND		0.17	0.017	ND		0.18	0.018	ND		0.18	0.018
2-Chlorophenol		ND		0.19	0.023	ND		0.18	0.022	ND		0.17	0.02	ND		0.17	0.02	ND		0.17	0.02	ND		0.17	0.021	ND		0.18	0.021	ND		0.18	0.021
2-Methylnaphthalene		0.027	J	0.23	0.023	ND		0.22	0.022	ND		0.21	0.021	0.037	J	0.21	0.021	ND		0.21	0.021	ND		0.21	0.021	ND		0.21	0.021	ND		0.22	0.022
2-Methylphenol	0.33	ND		0.19	0.03	ND		0.18	0.028	ND		0.17	0.027	ND		0.17	0.027	ND		0.17	0.027	ND		0.17	0.027	ND		0.18	0.027	ND		0.18	0.028
2-Nitroaniline		ND		0.19	0.037	ND		0.18	0.035	ND		0.17	0.033	ND		0.17	0.033	ND		0.17	0.034	ND		0.17	0.034	ND		0.18	0.034	ND		0.18	0.035
2-Nitrophenol		ND		0.41	0.072	ND		0.39	0.068	ND		0.37	0.065	ND		0.37	0.065	ND		0.38	0.065	ND		0.38	0.066	ND		0.38	0.066	ND		0.39	0.068
3,3'-Dichlorobenzidine		ND		0.19	0.051	ND		0.18	0.048	ND		0.17	0.046	ND		0.17	0.046	ND		0.17	0.046	ND		0.17	0.046	ND		0.18	0.047	ND		0.18	0.048
3-Methylphenol/4-Methylphenol	0.33	ND		0.28	0.03	ND		0.26	0.028	ND		0.25	0.027	ND		0.25	0.027	ND		0.25	0.027	ND		0.25	0.027	ND		0.25	0.028	ND		0.26	0.028
3-Nitroaniline		ND		0.19	0.036	ND		0.18	0.034	ND		0.17	0.033	ND		0.17	0.032	ND		0.17	0.033	ND		0.17	0.033	ND		0.18	0.033	ND		0.18	0.034
4,6-Dinitro-o-cresol		ND		0.5	0.092	ND		0.47	0.088	ND		0.45	0.083	ND		0.45	0.083	ND		0.45	0.083	ND		0.45	0.084	ND		0.46	0.085	ND		0.47	0.087
4-Bromophenyl phenyl ether		ND		0.19	0.029	ND		0.18	0.028	ND		0.17	0.026	ND		0.17	0.026	ND		0.17	0.026	ND		0.17	0.027	ND		0.18	0.027	ND		0.18	0.028
4-Chloroaniline		ND		0.19	0.035	ND		0.18	0.033	ND		0.17	0.031	ND		0.17	0.031	ND		0.17	0.032	ND		0.17	0.032	ND		0.18	0.032	ND		0.18	0.033
4-Chlorophenyl phenyl ether		ND		0.19	0.02	ND		0.18	0.02	ND		0.17	0.018	ND		0.17	0.018	ND		0.17	0.019	ND		0.17	0.019	ND		0.18	0.019	ND		0.18	0.019
4-Nitroaniline		ND		0.19	0.079	ND		0.18	0.075	ND		0.17	0.072	ND		0.17	0.072	ND		0.17	0.072	ND		0.17	0.072	ND		0.18	0.073	ND		0.18	0.075
4-Nitrophenol		ND		0.27	0.078	ND		0.26	0.074	ND		0.24	0.07	ND		0.24	0.07	ND		0.24	0.071	ND		0.24	0.071	ND		0.25	0.072	ND		0.25	0.074
Acenaphthene	20	ND		0.15	0.02	ND		0.14	0.019	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.019
Acenaphthylene	100	ND		0.15	0.03	ND		0.14	0.028	ND		0.14	0.027	ND		0.14	0.027	ND		0.14	0.027	ND		0.14	0.027	ND		0.14	0.027	ND		0.14	0.028
Acetophenone		ND		0.19	0.024	ND		0.18	0.022	ND		0.17	0.021	ND		0.17	0.021	ND		0.17	0.022	ND		0.17	0.022	ND		0.18	0.022	ND		0.18	0.022
Anthracene	100	ND		0.12	0.037	ND		0.11	0.036	ND		0.1	0.034	ND		0.1	0.034	ND		0.1	0.034	ND		0.1	0.034	ND		0.11	0.034	ND		0.11	0.035
Benzo(a)anthracene	1	ND		0.12	0.022	ND		0.11	0.02	ND		0.1	0.019	ND		0.1	0.019	ND		0.1	0.02	ND		0.1	0.02	ND		0.11	0.02	ND		0.11	0.02
Benzo(a)pyrene	1	ND		0.15	0.047	ND		0.14	0.044	ND		0.14	0.042	ND		0.14	0.042	ND		0.14	0.042	ND		0.14	0.043	ND		0.14	0.043	ND		0.14	0.044
Benzo(b)fluoranthene	1	ND		0.12	0.032	ND		0.11	0.031	ND		0.1	0.029	ND		0.1	0.029	ND		0.1	0.029	ND		0.1	0.029	ND		0.11	0.03	0.062	J	0.11	0.03
Benzo(ghi)perylene	100	ND		0.15	0.022	ND		0.14	0.021	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.021	0.081	J	0.14	0.021
Benzo(k)fluoranthene	0.8	ND		0.12	0.031	ND		0.11	0.029	ND		0.1	0.028	ND		0.1	0.028	ND		0.1	0.028	ND		0.1	0.028	ND		0.11	0.028	ND		0.11	0.029
Benzoic Acid		ND		0.62	0.19	ND		0.59	0.18	ND		0.56	0.18	ND		0.56	0.17	ND		0.56	0.18	ND		0.57	0.18	ND		0.57	0.18	ND		0.59	0.18
Benzyl Alcohol		ND		0.19	0.059	ND		0.18	0.056	ND		0.17	0.053	ND		0.17	0.053	ND		0.17	0.053	ND		0.17	0.053	ND		0.18	0.054	ND		0.18	0.055
Biphenyl		ND		0.44	0.025	ND		0.42	0.024	ND		0.39	0.022	ND		0.39	0.022	ND		0.4	0.023	ND		0.4	0.023	ND		0.4	0.023	ND		0.41	0.024
Bis(2-chloroethoxy)methane		ND		0.21	0.019	ND		0.2	0.018	ND		0.19	0.017	ND		0.19	0.017	ND		0.19	0.017	ND		0.19	0.018	ND		0.19	0.018	ND		0.2	0.018
Bis(2-chloroethyl)ether		ND		0.17	0.026	ND		0.16	0.025	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024
Bis(2-chloroisopropyl)ether		ND		0.23	0.033	ND		0.22	0.031	ND		0.21	0.03	ND		0.21	0.03	ND		0.21	0.03	ND		0.21	0.03	ND		0.21	0.03	ND		0.22	0.031
Bis(2-ethylhexyl)phthalate		ND		0.19	0.066	ND		0.18	0.063	ND		0.17	0.06	ND		0.17	0.06	ND		0.17	0.06	ND		0.17	0.06	ND		0.18	0.061	0.12	J	0.18	0.062
Butyl benzyl phthalate		ND		0.19	0.048	ND		0.18	0.046	ND		0.17	0.044	ND		0.17	0.044	ND		0.17	0.044	ND		0.17	0.044	ND		0.18	0.044	ND		0.18	0.046
Carbazole		ND		0.19	0.019	ND		0.18	0.018	ND		0.17	0.017	ND		0.17	0.017	ND		0.17	0.017	ND		0.17	0.017	ND		0.18	0.017	ND		0.18	0.018
Chrysene	1	ND		0.12	0.02	ND		0.11	0.019	ND		0.1	0.018	ND		0.1	0.018	ND		0.1	0.018	ND		0.1	0.018	ND		0.11	0.018	0.02	J	0.11	0.019
Di-n-butylphthalate		ND		0.19	0.036	ND		0.18	0.034	ND		0.17	0.033	ND		0.17	0.033	ND		0.17	0.033	ND		0.17	0.033	ND		0.18	0.034	ND		0.18	0.034

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:																															
						RI-SB-11																									
Client Sample ID:		RI-SB-10 (10.0-10.5)				RI-SB-11 (0.5-1)				RI-SB-11 (7-7.5)				RI-SB-11 (10.5-11)				RI-SB-11 (17-17.5)				RI-SB-11 (23.5-24)				DUP20230919				RI-SB-12 (2-2.5)			
Lab Sample ID:		L2353845-05				L2354975-01				L2354975-02				L2354975-03				L2354975-04				L2354975-05				L2354975-06				L2353482-06			
Date Sampled:	USCO	9/14/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/13/2023			
Sample Depth (ft bgs):		10-10.5'				0.5-1'				7-7.5'				10.5-11'				17-17.5'				23.5-24'								2-2.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate		ND		0.19	0.065	ND		0.18	0.062	ND		0.17	0.059	ND		0.17	0.059	ND		0.17	0.059	ND		0.17	0.059	ND		0.18	0.06	ND		0.18	0.062
Dibenzo(a,h)anthracene	0.33	ND		0.12	0.022	ND		0.11	0.021	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.11	0.02	ND		0.11	0.021
Dibenzofuran	7	ND		0.19	0.018	ND		0.18	0.017	ND		0.17	0.016	ND		0.17	0.016	ND		0.17	0.016	ND		0.17	0.016	ND		0.18	0.017	ND		0.18	0.017
Diethyl phthalate		ND		0.19	0.018	ND		0.18	0.017	ND		0.17	0.016	ND		0.17	0.016	ND		0.17	0.016	ND		0.17	0.016	ND		0.18	0.016	ND		0.18	0.017
Dimethyl phthalate		ND		0.19	0.04	ND		0.18	0.038	ND		0.17	0.036	ND		0.17	0.036	ND		0.17	0.036	ND		0.17	0.037	ND		0.18	0.037	ND		0.18	0.038
Fluoranthene	100	ND		0.12	0.022	ND		0.11	0.021	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.11	0.02	0.03	J	0.11	0.021
Fluorene	30	ND		0.19	0.019	ND		0.18	0.018	ND		0.17	0.017	ND		0.17	0.017	ND		0.17	0.017	ND		0.17	0.017	ND		0.18	0.017	ND		0.18	0.018
Hexachlorobenzene	0.33	ND		0.12	0.021	ND		0.11	0.02	ND		0.1	0.019	ND		0.1	0.019	ND		0.1	0.019	ND		0.1	0.02	ND		0.11	0.02	ND		0.11	0.02
Hexachlorobutadiene		ND		0.19	0.028	ND		0.18	0.027	ND		0.17	0.025	ND		0.17	0.025	ND		0.17	0.025	ND		0.17	0.026	ND		0.18	0.026	ND		0.18	0.026
Hexachlorocyclopentadiene		ND		0.55	0.17	ND		0.52	0.16	ND		0.49	0.16	ND		0.49	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.52	0.16
Hexachloroethane		ND		0.15	0.031	ND		0.14	0.03	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.029	ND		0.14	0.029
Indeno(1,2,3-cd)pyrene	0.5	ND		0.15	0.027	ND		0.14	0.025	ND		0.14	0.024	ND		0.14	0.024	ND		0.14	0.024	ND		0.14	0.024	ND		0.14	0.025	0.07	J	0.14	0.025
Isophorone		ND		0.17	0.025	ND		0.16	0.024	ND		0.16	0.022	ND		0.16	0.022	ND		0.16	0.022	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023
n-Nitrosodi-n-propylamine		ND		0.19	0.03	ND		0.18	0.028	ND		0.17	0.027	ND		0.17	0.027	ND		0.17	0.027	ND		0.17	0.027	ND		0.18	0.027	ND		0.18	0.028
Naphthalene	12	ND		0.19	0.023	ND		0.18	0.022	ND		0.17	0.021	0.022	J	0.17	0.021	ND		0.17	0.021	ND		0.17	0.021	ND		0.18	0.022	ND		0.18	0.022
NDPA/DPA		ND		0.15	0.022	ND		0.14	0.021	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02
Nitrobenzene		ND		0.17	0.028	ND		0.16	0.027	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.027
p-Chloro-m-cresol		ND		0.19	0.028	ND		0.18	0.027	ND		0.17	0.026	ND		0.17	0.026	ND		0.17	0.026	ND		0.17	0.026	ND		0.18	0.026	ND		0.18	0.027
Pentachlorophenol	0.8	ND		0.15	0.042	ND		0.14	0.04	ND		0.14	0.038	ND		0.14	0.038	ND		0.14	0.038	ND		0.14	0.038	ND		0.14	0.039	ND		0.14	0.04
Phenanthrene	100	ND		0.12	0.023	ND		0.11	0.022	ND		0.1	0.021	ND		0.1	0.021	ND		0.1	0.021	ND		0.1	0.021	ND		0.11	0.022	ND		0.11	0.022
Phenol	0.33	ND		0.19	0.029	ND		0.18	0.028	ND		0.17	0.026	ND		0.17	0.026	ND		0.17	0.026	ND		0.17	0.026	ND		0.18	0.027	ND		0.18	0.027
Pyrene	100	ND		0.12	0.019	ND		0.11	0.018	ND		0.1	0.017	ND		0.1	0.017	ND		0.1	0.017	ND		0.1	0.017	ND		0.11	0.018	0.025	J	0.11	0.018
Total SVOCs		0.027	-	-	-	-	-	-	-	-	-	-	-	0.059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.408	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																																	
Benzene, Propyl-																										-		-	-				
Indane																										-		-	-				
No Tentatively Identified Compounds		ND		0	0	ND		0	0	ND		0	0	-		-	-	ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene																										-		-	-				
Unknown		-		-	-	-		-	-	-		-	-	1.34	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	0.198	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	0.214	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	0.611	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	0.425	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-		-	-	-		-	-	-		-	-	0.787	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown																										-		-	-				
Unknown		-		-	-	-		-	-	-		-	-	0.223	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-
Unknown Benzene																										-		-	-				
Unknown Benzene																										-		-	-				
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-
Unknown Benzene																										-		-	-				
Unknown Benzene																										-		-	-				
Unknown Benzene																										-		-	-				
Unknown Benzene																										-		-	-				
Unknown Benzene																										-		-	-				
Unknown Indene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-		-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	0.189	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid		-		-	-	-		-	-	-		-	-	0.334	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds		-		-	-	-		-	-	-		-	-	4.32	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-
Pesticides (mg/kg)																																	
4,4'-DDD	0.0033	ND		0.00181	0.000646	ND		0.00176	0.000628	ND		0.00161	0.000574	ND		0.00162	0.000576	ND		0.00164	0.000587	ND		0.0017	0.000606	ND		0.00169	0.000602	ND		0.00176	0.000627
4,4'-DDE	0.0033	ND		0.00181	0.000419	ND		0.00176	0.000407	ND		0.00161	0.000372	ND		0.00162	0.000374	ND		0.00164	0.00038	ND		0.0017	0.000393	ND		0.00169	0.00039	ND		0.00176	0.000406
4,4'-DDT	0.0033	ND		0.00181	0.00146	ND		0.00176	0.00142	ND		0.00161	0.00129	ND		0.00162	0.0013	ND		0.00164	0.00132	ND		0.0017	0.00137	ND		0.00169	0.00136	ND		0.00176	0.00141
Aldrin	0.005	ND		0.00181	0.000638	ND		0.00176	0.00062	ND		0.00161	0.000567	ND		0.00162	0.000569	ND		0.00164	0.000579	ND		0.0017	0.000599	ND		0.00169	0.000594	ND		0.00176	0.000619
Alpha-BHC	0.02	ND		0.000754	0.000214	ND		0.000733	0.000208	ND		0.000671	0.00019	ND		0.000674	0.000191	ND		0.000685	0.000195	ND		0.000708	0.000201	ND		0.000703	0.0002	ND		0.000732	0.000208
Beta-BHC	0.036	ND		0.00181	0.000686	ND		0.00176	0.000667	ND		0.00161	0.00061	ND		0.00162	0.000613	ND		0.00164	0.000624	ND		0.0017	0.000645	ND		0.00169	0.00064	ND		0.00176	0.000667
Chlordane		ND		0.0151	0.006	ND		0.0147	0.00583	ND		0.0134	0.00533	ND		0.0135	0.00535	ND		0.0137	0.00545	ND		0.0142	0.00563	ND		0.014	0.00559	ND		0.0146	0.00582
cis-Chlordane	0.094	ND		0.00226	0.000631	ND		0.0022	0.000613	ND		0.00201	0.000561	ND		0.00202	0.000563	ND		0.00206	0.000573	ND		0.00212	0.000592	ND		0.00211	0.000588	ND		0.0022	0.000612
Delta-BHC	0.04	ND		0.00181	0.000355	ND		0.00176	0.000345	ND		0.00161	0.000315	ND		0.00162	0.000316	ND		0.00164	0.000322	ND		0.0017	0.000333	ND		0.00169	0.00033	ND		0.00176	0.000344
Dieldrin	0.005	ND		0.00113	0.000566	ND		0.0011	0.00055	ND		0.00101	0.000503	ND		0.00101	0.000505	ND		0.00103	0.000514	ND		0.00106	0.000531	ND		0.00105	0.000527	ND		0.0011	0.000549
Endosulfan I	2.4	ND		0.00181	0.000428	ND		0.00176	0.000416	ND		0.00161	0.00038	ND		0.00162	0.000382	ND		0.00164	0.000389	ND		0.0017	0.000402	ND		0.00169	0.000398	ND		0.00176	0.000415
Endosulfan II	2.4	ND		0.00181	0.000605	ND		0.00176	0.000588	ND		0.00161	0.000538	ND		0.00162	0.00054	ND		0.00164	0.00055	ND		0.0017	0.000568	ND		0.00169	0.000564	ND		0.00176	0.000588
Endosulfan sulfate	2.4	ND		0.000754	0.000359	ND		0.000733	0.000349	ND		0.000671	0.000319	ND		0.000674	0.00032	ND		0.000685	0.000326	ND		0.000708	0.000337	ND		0.000703	0.000334	ND		0.000732	0.000349
Endrin	0.014	ND		0.000754	0.000309	ND		0.000733	0.000301	ND		0.000671	0.000275	ND		0.000674	0.000276	ND		0.000685	0.000281	ND		0.000708	0.00029	ND		0.000703	0.000288	ND		0.000732	0.0003

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:																															
		RI-SB-11																										RI-SB-12			
Client Sample ID:		RI-SB-10 (10.0-10.5)				RI-SB-11 (0.5-1)				RI-SB-11 (7-7.5)				RI-SB-11 (10.5-11)				RI-SB-11 (17-17.5)				RI-SB-11 (23.5-24)				DUP20230919				(2-2.5)			
Lab Sample ID:		L2353845-05				L2354975-01				L2354975-02				L2354975-03				L2354975-04				L2354975-05				L2354975-06				L2353482-06			
Date Sampled:	USCO	9/14/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/19/2023				9/13/2023			
Sample Depth (ft bgs):		10-10.5'				0.5-1'				7-7.5'				10.5-11'				17-17.5'				23.5-24'								2-2.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Endrin aldehyde		ND		0.00226	0.000792	ND		0.0022	0.00077	ND		0.00201	0.000704	ND		0.00202	0.000707	ND		0.00206	0.00072	ND		0.00212	0.000744	ND		0.00211	0.000738	ND		0.0022	0.000769
Endrin ketone		ND		0.00181	0.000466	ND		0.00176	0.000453	ND		0.00161	0.000415	ND		0.00162	0.000416	ND		0.00164	0.000424	ND		0.0017	0.000438	ND		0.00169	0.000434	ND		0.00176	0.000453
Heptachlor	0.042	ND		0.000905	0.000406	ND		0.00088	0.000395	ND		0.000805	0.000361	ND		0.000808	0.000362	ND		0.000822	0.000369	ND		0.00085	0.000381	ND		0.000843	0.000378	ND		0.000879	0.000394
Heptachlor epoxide		ND		0.0034	0.00102	ND		0.0033	0.00099	ND		0.00302	0.000906	ND		0.00303	0.000909	ND		0.00308	0.000925	ND		0.00319	0.000956	ND		0.00316	0.000949	ND		0.0033	0.000989
Lindane	0.1	ND		0.000754	0.000337	ND		0.000733	0.000328	ND		0.000671	0.0003	ND		0.000674	0.000301	ND		0.000685	0.000306	ND		0.000708	0.000317	ND		0.000703	0.000314	ND		0.000732	0.000327
Methoxychlor		ND		0.0034	0.00106	ND		0.0033	0.00103	ND		0.00302	0.000939	ND		0.00303	0.000943	ND		0.00308	0.00096	ND		0.00319	0.000992	ND		0.00316	0.000984	ND		0.0033	0.00102
Toxaphene		ND		0.034	0.00951	ND		0.033	0.00924	ND		0.0302	0.00845	ND		0.0303	0.00849	ND		0.0308	0.00864	ND		0.0319	0.00893	ND		0.0316	0.00885	ND		0.033	0.00923
trans-Chlordane		ND		0.00226	0.000598	ND		0.0022	0.000581	ND		0.00201	0.000531	ND		0.00202	0.000533	ND		0.00206	0.000543	ND		0.00212	0.000561	ND		0.00211	0.000556	ND		0.0022	0.00058
Polychlorinated Biphenyls (mg/kg)																																	
Aroclor 1016	0.1	ND		0.0563	0.005	ND		0.0524	0.00465	ND		0.0528	0.00469	ND		0.0513	0.00455	ND		0.0482	0.00428	ND		0.0522	0.00463	ND		0.0526	0.00467	ND		0.0513	0.00455
Aroclor 1221	0.1	ND		0.0563	0.00564	ND		0.0524	0.00525	ND		0.0528	0.00529	ND		0.0513	0.00514	ND		0.0482	0.00483	ND		0.0522	0.00523	ND		0.0526	0.00526	ND		0.0513	0.00514
Aroclor 1232	0.1	ND		0.0563	0.0119	ND		0.0524	0.0111	ND		0.0528	0.0112	ND		0.0513	0.0109	ND		0.0482	0.0102	ND		0.0522	0.0111	ND		0.0526	0.0111	ND		0.0513	0.0109
Aroclor 1242	0.1	ND		0.0563	0.00759	ND		0.0524	0.00706	ND		0.0528	0.00712	ND		0.0513	0.00691	ND		0.0482	0.0065	ND		0.0522	0.00704	ND		0.0526	0.00708	ND		0.0513	0.00691
Aroclor 1248	0.1	ND		0.0563	0.00845	ND		0.0524	0.00786	ND		0.0528	0.00792	ND		0.0513	0.00769	ND		0.0482	0.00723	ND		0.0522	0.00783	ND		0.0526	0.00788	ND		0.0513	0.00769
Aroclor 1254	0.1	ND		0.0563	0.00616	ND		0.0524	0.00573	ND		0.0528	0.00578	ND		0.0513	0.00561	ND		0.0482	0.00527	ND		0.0522	0.00571	ND		0.0526	0.00575	ND		0.0513	0.00561
Aroclor 1260	0.1	ND		0.0563	0.0104	ND		0.0524	0.00969	ND		0.0528	0.00976	ND		0.0513	0.00947	ND		0.0482	0.0089	ND		0.0522	0.00964	ND		0.0526	0.00971	ND		0.0513	0.00948
Aroclor 1262	0.1	ND		0.0563	0.00715	ND		0.0524	0.00666	ND		0.0528	0.0067	ND		0.0513	0.00651	ND		0.0482	0.00612	ND		0.0522	0.00663	ND		0.0526	0.00667	ND		0.0513	0.00651
Aroclor 1268	0.1	ND		0.0563	0.00583	ND		0.0524	0.00543	ND		0.0528	0.00547	ND		0.0513	0.00531	ND		0.0482	0.00499	ND		0.0522	0.00541	ND		0.0526	0.00544	ND		0.0513	0.00531
PCBs, Total	0.1	ND		0.0563	0.005	ND		0.0524	0.00465	ND		0.0528	0.00469	ND		0.0513	0.00455	ND		0.0482	0.00428	ND		0.0522	0.00463	ND		0.0526	0.00467	ND		0.0513	0.00455
Total Metals (mg/kg)																																	
Aluminum, Total		12800		8.83	2.38	22300		8.63	2.33	10000		8.54	2.31	12800		8.46	2.28	9160		8.22	2.22	14800		8.38	2.26	14700		8.6	2.32	10000		8.65	2.33
Antimony, Total		ND		4.42	0.336	ND		4.32	0.328	ND		4.27	0.325	ND		4.23	0.322	ND		4.11	0.312	ND		4.19	0.318	ND		4.3	0.327	ND		4.32	0.328
Arsenic, Total	13	2.09		0.883	0.184	2.66		0.863	0.18	1.92		0.854	0.178	2.2		0.846	0.176	1.42		0.822	0.171	2.5		0.838	0.174	3.32		0.86	0.179	3.24		0.865	0.18
Barium, Total	350	150		0.883	0.154	206		0.863	0.15	131		0.854	0.149	142		0.846	0.147	108		0.822	0.143	174		0.838	0.146	172		0.86	0.15	97.1		0.865	0.15
Beryllium, Total	7.2	0.441	J	0.442	0.029	0.678		0.432	0.029	0.452		0.427	0.028	0.548		0.423	0.028	0.402	J	0.411	0.027	0.627		0.419	0.028	0.674		0.43	0.028	0.674		0.432	0.029
Cadmium, Total	2.5	ND		0.883	0.087	ND		0.863	0.085	ND		0.854	0.084	ND		0.846	0.083	ND		0.822	0.081	ND		0.838	0.082	ND		0.86	0.084	ND		0.865	0.085
Calcium, Total		10700		8.83	3.09	13700		8.63	3.02	8910		8.54	2.99	11200		8.46	2.96	6900		8.22	2.88	9560		8.38	2.93	8870		8.6	3.01	1750		8.65	3.03
Chromium, Total		22.8		0.883	0.085	44.8		0.863	0.083	17.7		0.854	0.082	23.2		0.846	0.081	16.6		0.822	0.079	27.6		0.838	0.08	32.3		0.86	0.083	20.2		0.865	0.083
Cobalt, Total		9.17		1.77	0.147	16.4		1.73	0.143	6.27		1.71	0.142	7.93		1.69	0.14	6.02		1.64	0.136	12.6		1.68	0.139	29.7		1.72	0.143	8.71		1.73	0.144
Copper, Total	50	19		0.883	0.228	24.7		0.863	0.223	13.6		0.854	0.22	18		0.846	0.218	12.7		0.822	0.212	19.6		0.838	0.216	31.9		0.86	0.222	16.8		0.865	0.223
Iron, Total		21200		4.42	0.798	32000		4.32	0.779	15700		4.27	0.771	19500		4.23	0.764	14100		4.11	0.742	22400		4.19	0.756	23400		4.3	0.776	19700		4.32	0.781
Lead, Total	63	7.54		4.42	0.237	3.74	J	4.32	0.231	5.66		4.27	0.229	7.14		4.23	0.227	4.3		4.11	0.22	8.02		4.19	0.224	10.1		4.3	0.23	19.5		4.32	0.232
Magnesium, Total		8510		8.83	1.36	15100		8.63	1.33	6410		8.54	1.32	7970		8.46	1.3	6800		8.22	1.26	9590		8.38	1.29	9480		8.6	1.32	5050		8.65	1.33
Manganese, Total	1600	350		0.883	0.14	605		0.863	0.137	214		0.854	0.136	279		0.846	0.134	186		0.822	0.131	270		0.838	0.133	271		0.86	0.137	274		0.865	0.137
Mercury, Total	0.18	ND		0.078	0.051	ND		0.083	0.054	ND		0.073	0.047	ND		0.079	0.051	ND		0.078	0.051	ND		0.084	0.055	ND		0.074	0.049	ND		0.071	0.046
Nickel, Total	30	17.3		2.21	0.214	27.7		2.16	0.209	12.9		2.14	0.207	17.3		2.12	0.205	12.7		2.05	0.199	20.2		2.09	0.203	27.1		2.15	0.208	16.4		2.16	0.209
Potassium, Total		6000		221	12.7	12400		216	12.4	4740		214	12.3	6150		212	12.2	4650		205	11.8	7540		209	12.1	7350		215	12.4	4230		216	12.4
Selenium, Total	3.9	ND		1.77	0.228	0.269	J	1.73	0.223	0.345	J	1.71	0.22	0.344	J	1.69	0.218	0.247	J	1.64	0.212	0.281	J	1.68	0.216	0.294	J	1.72	0.222	ND		1.73	0.223
Silver, Total	2	ND		0.442	0.25	ND		0.432	0.244	ND		0.427	0.242	ND		0.423	0.239	ND		0.411	0.232	ND		0.419	0.237	ND		0.43	0.243	ND		0.432	0.245
Sodium, Total		257		177	2.78	120	J	173	2.72	100	J	171	2.69	122	J	169	2.66	89.3	J	164	2.59	137	J	168	2.64	144	J	172	2.71	259		173	2.72
Thallium, Total		4.12		1.77	0.278	2.12		1.73	0.272	1.47	J	1.71	0.269	1.7		1.69	0.266	1.28	J	1.64	0.259	2.25		1.68	0.264	2.41		1.72	0.271	0.295	J	1.73	0.272
Vanadium, Total		32.9		0.883	0.179	63.2		0.863	0.175	26.7		0.854	0.173	29.8		0.846	0.172	22.8		0.822	0.167	37.2		0.838	0.17	40.6		0.86	0.174	25.6		0.865	0.176
Zinc, Total	109	48.2		4.42	0.259	80.7		4.32	0.253	39		4.27	0.25	51.4		4.23	0.248	38.6		4.11	0.241	57.8		4.19	0.245	60.3		4.3	0.252	54		4.32	0.253
General Chemistry																																	
Cyanide, Total	27	ND		1.1	0.24	ND		1.1	0.23	ND		1	0.22	ND		1	0.21	ND		1	0.22	ND		1	0.22	ND		1	0.22	ND		1	0.22
Solids, Total (%)		86.8		0.1	NA	89.4		0.1	NA	93.5		0.1	NA	93.5		0.1	NA	95.1		0.1	NA	93.1		0.1	NA	92.1		0.1	NA	90.7		0.1	NA

Notes:
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
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
Concentration exceeds USCO
Concentration exceeds RRSCO
Reporting Limit exceeds USCO but reported Conc does not

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-12								RI-SB-13																			
Client Sample ID:		RI-SB-12 (8-8.5)				RI-SB-12 (12.5-13)				RI-SB-13 (3-3.5)				DUP-20230912				RI-SB-13 (7-7.5)				RI-SB-13 (13-13.5)				RI-SB-13 (17-17.5)				RI-SB-13 (24.5-25)			
Lab Sample ID:		L2353482-07				L2353482-08				L2353059-01				L2353059-10				L2353059-02				L2353059-03				L2353059-04				L2353059-05			
Date Sampled:	USCO	9/13/2023				9/13/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023			
Sample Depth (ft bgs):		8-8.5'				12.5-13'				3-3.5'								7-7.5'				13-13.5'				17-17.5'				24.5-25'			
Matrix:		SOIL				SOIL				SOIL				SOIL								SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)																																	
1,1,1,2-Tetrachloroethane		ND		0.00048	0.00013	ND		0.00051	0.00014	ND		0.00048	0.00013	ND		0.00047	0.00012	ND		0.00055	0.00014	ND		0.00043	0.00011	ND		0.00047	0.00012	ND		0.00052	0.00014
1,1,1-Trichloroethane	0.68	ND		0.00048	0.00016	ND		0.00051	0.00017	ND		0.00048	0.00016	ND		0.00047	0.00016	ND		0.00055	0.00018	ND		0.00043	0.00014	ND		0.00047	0.00016	ND		0.00052	0.00017
1,1,2,2-Tetrachloroethane		ND		0.00048	0.00016	ND		0.00051	0.00017	ND		0.00048	0.00016	ND		0.00047	0.00016	ND		0.00055	0.00018	ND		0.00043	0.00014	ND		0.00047	0.00016	ND		0.00052	0.00017
1,1,2-Trichloroethane		ND		0.00096	0.00026	ND		0.001	0.00027	ND		0.00095	0.00025	ND		0.00094	0.00025	ND		0.0011	0.00029	ND		0.00085	0.00023	ND		0.00094	0.00025	ND		0.001	0.00028
1,1-Dichloroethane	0.27	ND		0.00096	0.00014	ND		0.001	0.00015	ND		0.00095	0.00014	ND		0.00094	0.00014	ND		0.0011	0.00016	ND		0.00085	0.00012	ND		0.00094	0.00014	ND		0.001	0.00015
1,1-Dichloroethene	0.33	ND		0.00096	0.00023	ND		0.001	0.00024	ND		0.00095	0.00023	ND		0.00094	0.00022	ND		0.0011	0.00026	ND		0.00085	0.0002	ND		0.00094	0.00022	ND		0.001	0.00025
1,1-Dichloropropene		ND		0.00048	0.00015	ND		0.00051	0.00016	ND		0.00048	0.00015	ND		0.00047	0.00015	ND		0.00055	0.00017	ND		0.00043	0.00014	ND		0.00047	0.00015	ND		0.00052	0.00017
1,2,3-Trichlorobenzene		ND		0.0019	0.00031	ND		0.002	0.00033	ND		0.0019	0.00031	ND		0.0019	0.0003	ND		0.0022	0.00035	ND		0.0017	0.00028	ND		0.0019	0.0003	ND		0.0021	0.00034
1,2,3-Trichloropropane		ND		0.0019	0.00012	ND		0.002	0.00013	ND		0.0019	0.00012	ND		0.0019	0.00012	ND		0.0022	0.00014	ND		0.0017	0.00011	ND		0.0019	0.00012	ND		0.0021	0.00013
1,2,4,5-Tetramethylbenzene		ND		0.0019	0.00018	ND		0.002	0.0002	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0022	0.00021	ND		0.0017	0.00016	ND		0.0019	0.00018	ND		0.0021	0.0002
1,2,4-Trichlorobenzene		ND		0.0019	0.00026	ND		0.002	0.00028	ND		0.0019	0.00026	ND		0.0019	0.00026	ND		0.0022	0.0003	ND		0.0017	0.00023	ND		0.0019	0.00026	ND		0.0021	0.00028
1,2,4-Trimethylbenzene	3.6	ND		0.0019	0.00032	ND		0.002	0.00034	ND		0.0019	0.00032	ND		0.0019	0.00031	ND		0.0022	0.00037	ND		0.0017	0.00028	ND		0.0019	0.00032	ND		0.0021	0.00035
1,2-Dibromo-3-chloropropane		ND		0.0029	0.00096	ND		0.0031	0.001	ND		0.0029	0.00095	ND		0.0028	0.00094	ND		0.0033	0.0011	ND		0.0026	0.00085	ND		0.0028	0.00094	ND		0.0031	0.001
1,2-Dibromoethane		ND		0.00096	0.00027	ND		0.001	0.00029	ND		0.00095	0.00027	ND		0.00094	0.00026	ND		0.0011	0.00031	ND		0.00085	0.00024	ND		0.00094	0.00026	ND		0.001	0.00029
1,2-Dichlorobenzene	1.1	ND		0.0019	0.00014	ND		0.002	0.00015	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0022	0.00016	ND		0.0017	0.00012	ND		0.0019	0.00014	ND		0.0021	0.00015
1,2-Dichloroethane	0.02	ND		0.00096	0.00025	ND		0.001	0.00026	ND		0.00095	0.00024	ND		0.00094	0.00024	ND		0.0011	0.00028	ND		0.00085	0.00022	ND		0.00094	0.00024	ND		0.001	0.00027
1,2-Dichloroethene, Total		ND		0.00096	0.00013	ND		0.001	0.00014	ND		0.00095	0.00013	ND		0.00094	0.00013	ND		0.0011	0.00015	ND		0.00085	0.00012	ND		0.00094	0.00013	ND		0.001	0.00014
1,2-Dichloropropane		ND		0.00096	0.00012	ND		0.001	0.00013	ND		0.00095	0.00012	ND		0.00094	0.00012	ND		0.0011	0.00014	ND		0.00085	0.00011	ND		0.00094	0.00012	ND		0.001	0.00013
1,3,5-Trimethylbenzene	8.4	ND		0.0019	0.00018	ND		0.002	0.0002	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0022	0.00021	ND		0.0017	0.00016	ND		0.0019	0.00018	ND		0.0021	0.0002
1,3-Dichlorobenzene	2.4	ND		0.0019	0.00014	ND		0.002	0.00015	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0022	0.00016	ND		0.0017	0.00013	ND		0.0019	0.00014	ND		0.0021	0.00015
1,3-Dichloropropane		ND		0.0019	0.00016	ND		0.002	0.00017	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0022	0.00018	ND		0.0017	0.00014	ND		0.0019	0.00016	ND		0.0021	0.00017
1,3-Dichloropropene, Total		ND		0.00048	0.00015	ND		0.00051	0.00016	ND		0.00048	0.00015	ND		0.00047	0.00015	ND		0.00055	0.00017	ND		0.00043	0.00013	ND		0.00047	0.00015	ND		0.00052	0.00016
1,4-Dichlorobenzene	1.8	ND		0.0019	0.00016	ND		0.002	0.00018	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0022	0.00019	ND		0.0017	0.00015	ND		0.0019	0.00016	ND		0.0021	0.00018
1,4-Dioxane	0.1	ND		0.077	0.034	ND		0.082	0.036	ND		0.076	0.034	ND		0.075	0.033	ND		0.088	0.038	ND		0.068	0.03	ND		0.076	0.033	ND		0.084	0.037
2,2-Dichloropropane		ND		0.0019	0.00019	ND		0.002	0.00021	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0022	0.00022	ND		0.0017	0.00017	ND		0.0019	0.00019	ND		0.0021	0.00021
2-Butanone	0.12	ND		0.0096	0.0021	0.0032	J	0.01	0.0023	ND		0.0095	0.0021	ND		0.0094	0.0021	ND		0.011	0.0024	ND		0.0085	0.0019	ND		0.0094	0.0021	ND		0.01	0.0023
2-Hexanone		ND		0.0096	0.0011	ND		0.01	0.0012	ND		0.0095	0.0011	ND		0.0094	0.0011	ND		0.011	0.0013	ND		0.0085	0.001	ND		0.0094	0.0011	ND		0.01	0.0012
4-Methyl-2-pentanone		ND		0.0096	0.0012	ND		0.01	0.0013	ND		0.0095	0.0012	ND		0.0094	0.0012	ND		0.011	0.0014	ND		0.0085	0.0011	ND		0.0094	0.0012	ND		0.01	0.0013
Acetone	0.05	ND		0.0096	0.0046	ND		0.01	0.005	ND		0.0095	0.0046	ND		0.0094	0.0045	0.0096	J	0.011	0.0053	0.014		0.0085	0.0041	0.021		0.0094	0.0045	0.018		0.01	0.005
Acrylonitrile		ND		0.0038	0.0011	ND		0.0041	0.0012	ND		0.0038	0.0011	ND		0.0038	0.0011	ND		0.0044	0.0013	ND		0.0034	0.00098	ND		0.0038	0.0011	ND		0.0042	0.0012
Benzene	0.06	ND		0.00048	0.00016	ND		0.00051	0.00017	ND		0.00048	0.00016	ND		0.00047	0.00016	ND		0.00055	0.00018	ND		0.00043	0.00014	ND		0.00047	0.00016	ND		0.00052	0.00017
Bromobenzene		ND		0.0019	0.00014	ND		0.002	0.00015	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0022	0.00016	ND		0.0017	0.00012	ND		0.0019	0.00014	ND		0.0021	0.00015
Bromochloromethane		ND		0.0019	0.0002	ND		0.002	0.00021	ND		0.0019	0.0002	ND		0.0019	0.00019	ND		0.0022	0.00022	ND		0.0017	0.00018	ND		0.0019	0.00019	ND		0.0021	0.00021
Bromodichloromethane		ND		0.00048	0.0001	ND		0.00051	0.00011	ND		0.00048	0.0001	ND		0.00047	0.0001	ND		0.00055	0.00012	ND		0.00043	0.00009	ND		0.00047	0.0001	ND		0.00052	0.00011
Bromoform		ND		0.0038	0.00024	ND		0.0041	0.00025	ND		0.0038	0.00023	ND		0.0038	0.00023	ND		0.0044	0.00027	ND		0.0034	0.00021	ND		0.0038	0.00023	ND		0.0042	0.00026
Bromomethane		ND		0.0019	0.00056	ND		0.002	0.0006	ND		0.0019	0.00055	ND		0.0019	0.00054	ND		0.0022	0.00064	ND		0.0017	0.0005	ND		0.0019	0.00055	ND		0.0021	0.00061
Carbon disulfide		ND		0.0096	0.0044	ND		0.01	0.0047	ND		0.0095	0.0043	ND		0.0094	0.0043	ND		0.011	0.005	ND		0.0085	0.0039	ND		0.0094	0.0043	ND		0.01	0.0048
Carbon tetrachloride	0.76	ND		0.00096	0.00022	ND		0.001	0.00024	ND		0.00095	0.00022	ND		0.00094	0.00022	ND		0.0011	0.00025	ND		0.00085	0.0002	ND		0.00094	0.00022	ND		0.001	0.00024
Chlorobenzene	1.1	ND		0.00048	0.00012	ND		0.00051	0.00013	ND		0.00048	0.00012	ND		0.00047	0.00012	ND		0.00055	0.00014	ND		0.00043	0.00011	ND		0.00047	0.00012	ND		0.00052	0.00013
Chloroethane		ND		0.0019	0.00043	ND		0.002	0.00046	ND		0.0019	0.00043	ND		0.0019	0.00042	ND		0.0022	0.0005	ND		0.0017	0.00039	ND		0.0019	0.00043	ND		0.0021	0.00047
Chloroform	0.37	ND		0.0014	0.00013	ND		0.0015	0.00014	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0016	0.00015	ND		0.0013	0.00012	ND		0.0014	0.00013	ND		0.0016	0.00015
Chloromethane		ND		0.0038	0.00089	ND		0.0041	0.00096	ND		0.0038	0.00089	ND		0.0038	0.00088	ND		0.0044	0.001	ND		0.0034	0.0008	ND		0.0038	0.00088	ND		0.0042	0.00097
cis-1,2-Dichloroethene	0.25	ND		0.00096	0.00017	ND		0.001	0.00018	ND		0.00095	0.00017	ND		0.00094	0.00016	ND		0.0011	0.00019	ND		0.00085	0.00015	ND		0.00094	0.00016	ND		0.001	0.00018
cis-1,3-Dichloropropene		ND		0.00048	0.00015	ND		0.00051	0.00016	ND		0.00048	0.00015	ND		0.00047	0.00015	ND		0.00055	0.00017	ND		0.00043	0.00013	ND		0.00047	0.00015	ND		0.00052	0.00016
Dibromochloromethane		ND		0.00096	0.00013	ND		0.001	0.00014	ND		0.00095	0.00013	ND		0.00094	0.00013	ND		0.0011	0.00015	ND		0.00085	0.00012	ND		0.00094	0.00013	ND		0.001	0.00015
Dibromomethane		ND		0.0019	0.00023	ND		0.002	0.00024	ND		0.0019	0.00023	ND		0.0019	0.00022	ND		0.0022	0.00026	ND		0.0017	0.0002	ND		0.0019	0.00022	ND		0.0021	0.00025
Dichlorodifluoromethane		ND		0.0096	0.00088	ND		0.01	0.00094	ND		0.0095	0.00087	ND		0.0094	0.00086	ND		0.011	0.001	ND		0.0085	0.00078	ND		0.0094	0.00086	ND		0.01	0.00096
Ethyl ether		ND		0.0019	0.00033	ND		0.002	0.00035	ND		0.0019	0.00032	ND		0.0019	0.00032	ND		0.0022	0.00037	ND		0.0017	0.00029	ND		0.0019	0.00032	ND		0.0021	0.00036
Ethylbenzene	1	ND		0.00096	0.00014	ND		0.001	0.00014	ND		0.00095	0.00013	ND		0.00094	0.00013	ND		0.0011	0.00015	ND		0.00085	0.00012	ND		0.00094	0.00013	ND		0.001	0.00015
Hexachlorobutadiene		ND		0.0038	0.00016	ND		0.0041	0.00017	ND		0.0038	0.00016	ND		0.0038	0.00016	ND		0.0044	0.00018	ND		0.0034	0.00014	ND		0.0038	0.00016	ND		0.0042	0.00018
Isopropylbenzene		ND		0.00096	0.0001	ND		0.001	0.00011	ND		0.00095	0.0001	ND		0.00094	0.0001	ND		0.0011	0.00012	ND		0.00085	0.00009	ND		0.00094	0.0001	ND		0.001	0.00011
Methyl tert butyl ether	0.93	ND		0.0019	0.00019	ND		0.002	0.00021	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0022	0.00022	ND		0.0017	0.00017	ND		0.0019	0.00019	ND		0.0021	0.00021
Methylene chloride	0.05	ND		0.0048	0.0022	ND		0.0051	0.0024	ND		0.0048	0.0022	ND		0.0047	0.0022	ND		0.0055	0.0025	ND		0.0043	0.002	ND		0.0047	0.0022	ND		0.0052	0.0024
n-Butylbenzene	12	ND		0.00096	0.00016	ND		0.001	0.00017	ND		0.00095	0.00016	ND		0.00094	0.00016	ND		0.0011	0.00018	ND		0.00085	0.00014	ND		0.00094	0.00016	ND		0.001	0.00017
n-Propylbenzene	3.9	ND		0.00096	0.00016	ND		0.001	0.00018	ND		0.00095	0.00016	ND		0.00094	0.00016	ND		0.0011	0.00019	ND		0.00085	0.00015	ND		0.00094	0.00016	ND		0.001	0.00018
Naphthalene	12	ND		0.0038	0.00062	ND		0.0041	0.00067	ND		0.0038	0.00062	ND		0.0038	0.00061	ND		0.0044	0.00071	ND		0.0034	0.00056	ND		0.0038	0.00061	ND		0.0042	0.00068
o-Chlorotoluene		ND		0.0019	0.00018	ND		0.002	0.0002	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0022	0.00021	ND		0.0017	0.00016	ND		0.0019	0.00018	ND		0.0021	0.0002
o-Xylene		ND		0.00096	0.00028	ND		0.001	0.0003	ND		0.00095	0.00028	ND		0.00094	0.00027	ND		0.0011	0.00032	ND		0.00085	0.00025	ND		0.00094	0.00027	ND		0.001	0.0003
p-Chlorotoluene		ND		0.0019	0.0001	ND		0.002	0.00011	ND		0.0019	0.0001	ND		0.0019	0.0001	ND		0.0022	0.00012	ND		0.0017	0.00009	ND		0.0019	0.0001	ND		0.0021	0.00011
p-Diethylbenzene		ND		0.0019	0.00017	ND		0.002	0.00018	ND		0.0019	0.00017	ND		0.0019	0.00017	ND		0.0022	0.00019	ND		0.0017	0.00015	ND		0.0019	0.00017	ND		0.0021	0.00018
p-Ethyltoluene		ND		0.0019	0.00037	ND		0.002	0.0004	ND		0.0019	0.00037	ND		0.0019	0.00036	ND		0.0022	0.00042	ND		0.0017	0.00033	ND		0.0019	0.00036	ND		0.0021	0.0004
p-Isopropyltoluene		ND		0.00096	0.0001	ND		0.001	0.00011	ND		0.00095	0.0001	ND		0.00094	0.0001	ND		0.0011	0.00012	ND		0.00085	0.00009	ND		0.00094	0.0001	ND		0.001	0.00011
p/m-Xylene		ND		0.0019	0.00054	ND		0.002	0.00058	ND		0.0019	0.00053	ND		0.0019	0.00053	ND		0.0022	0.00061	ND		0.0017	0.00048	ND		0.0019	0.00053	ND		0.0021	0.00058
sec-Butylbenzene	11	ND		0.00096	0.00014	ND		0.001	0.00015	ND		0.00095	0.00014	ND		0.00094	0.00014	ND		0.0011	0.00016	ND		0.00085	0.00012	ND		0.00094	0.00014	ND		0.001	0.00015
Styrene		ND		0.00096	0.00019	ND		0.001	0.0002	ND		0.00095	0.00019	ND		0.00094	0.00018	ND		0.0011	0.00022	ND		0.00085	0.00017	ND		0.00094	0.00018	ND		0.001	0.0002
tert-Butylbenzene	5.9	ND		0.0019	0.00011	ND		0.002	0.00012	ND		0.0019	0.00011	ND		0.0019	0.00011	ND		0.0022	0.00013	ND		0.0017	0.0001	ND		0.0019	0.00011	ND		0.0021	0.00012
Tetrachloroethene	1.3	ND		0.00048	0.00019	ND		0.00051	0.0002	ND		0.00048	0.00019	ND		0.00047	0.00018	ND		0.00055	0.00022	ND		0.00043	0.00017	ND		0.00047	0.00018	ND		0.00052	0.0002

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RI-SB-12								RI-SB-13																							
Client Sample ID:		RI-SB-12 (8-8.5)				RI-SB-12 (12.5-13)				RI-SB-13 (3-3.5)				DUP-20230912				RI-SB-13 (7-7.5)				RI-SB-13 (13-13.5)				RI-SB-13 (17-17.5)				RI-SB-13 (24.5-25)			
Lab Sample ID:		L2353482-07				L2353482-08				L2353059-01				L2353059-10				L2353059-02				L2353059-03				L2353059-04				L2353059-05			
Date Sampled:		9/13/2023				9/13/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023			
Sample Depth (ft bgs):		8-8.5'				12.5-13'				3-3.5'								7-7.5'				13-13.5'				17-17.5'				24.5-25'			
Matrix:		SOIL				SOIL				SOIL				SOIL								SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Toluene	0.7	ND		0.00096	0.00052	ND		0.001	0.00056	ND		0.00095	0.00052	ND		0.00094	0.00051	ND		0.0011	0.0006	ND		0.00085	0.00046	ND		0.00094	0.00051	ND		0.001	0.00057
trans-1,2-Dichloroethene	0.19	ND		0.0014	0.00013	ND		0.0015	0.00014	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0016	0.00015	ND		0.0013	0.00012	ND		0.0014	0.00013	ND		0.0016	0.00014
trans-1,3-Dichloropropene		ND		0.00096	0.00026	ND		0.001	0.00028	ND		0.00095	0.00026	ND		0.00094	0.00026	ND		0.0011	0.0003	ND		0.00085	0.00023	ND		0.00094	0.00026	ND		0.001	0.00028
trans-1,4-Dichloro-2-butene		ND		0.0048	0.0014	ND		0.0051	0.0015	ND		0.0048	0.0014	ND		0.0047	0.0013	ND		0.0055	0.0016	ND		0.0043	0.0012	ND		0.0047	0.0013	ND		0.0052	0.0015
Trichloroethene	0.47	ND		0.00048	0.00013	ND		0.00051	0.00014	ND		0.00048	0.00013	ND		0.00047	0.00013	ND		0.00055	0.00015	ND		0.00043	0.00012	ND		0.00047	0.00013	ND		0.00052	0.00014
Trichlorofluoromethane		ND		0.0038	0.00067	ND		0.0041	0.00072	ND		0.0038	0.00066	ND		0.0038	0.00065	ND		0.0044	0.00076	ND		0.0034	0.00059	ND		0.0038	0.00066	ND		0.0042	0.00073
Vinyl acetate		ND		0.0096	0.0021	ND		0.01	0.0022	ND		0.0095	0.002	ND		0.0094	0.002	ND		0.011	0.0024	ND		0.0085	0.0018	ND		0.0094	0.002	ND		0.01	0.0022
Vinyl chloride	0.02	ND		0.00096	0.00032	ND		0.001	0.00034	ND		0.00095	0.00032	ND		0.00094	0.00031	ND		0.0011	0.00037	ND		0.00085	0.00029	ND		0.00094	0.00032	ND		0.001	0.00035
Xylenes, Total	0.26	ND		0.00096	0.00028	ND		0.001	0.0003	ND		0.00095	0.00028	ND		0.00094	0.00027	ND		0.0011	0.00032	ND		0.00085	0.00025	ND		0.00094	0.00027	ND		0.001	0.0003
Total VOCs		-	-	-	-	0.0032	-	-	-	-	-	-	-	-	-	-	-	0.0096	-	-	-	0.014	-	-	-	0.021	-	-	-	0.018	-	-	-
Volatile Organic Compounds - TIC (mg/kg)																																	
1-Propene, 2-methyl-		-		-	-	-		-	-	-	-	-	-	-		-	-	-	-	-	-	-		-	-	0.0059	NJ	0	0	-	-	-	-
Butane, 2-Methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane, methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclopentane, Methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclotrisiloxane, Hexamethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decane, 4-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane														-		-	-																
Heptane, 2-methyl-														-		-	-																
Heptane, 3-methyl-														-		-	-																
Hexane, 2,2,4-trimethyl-														-		-	-																
Hexane, 2,5-dimethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane, 2-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Hexane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
No Tentatively Identified Compounds		ND		0	0	ND		0	0	-		-	-	ND		0	0	-		-	-	-		-	-	-		-	-	-		-	-
Nonane (C9)														-		-	-																
Nonane, 4-methyl-														-		-	-																
Octane														-		-	-																
Octane, 2,6-dimethyl-														-		-	-																
Octane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2,3,3-trimethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2,3,4-trimethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2,3-dimethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	0.00254	J	0	0	-		-	-	0.00346	J	0	0	0.00172	J	0	0	0.0136	J	0	0	0.00238	J	0	0
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-
Unknown Alkane														-		-	-																
Unknown Alkane														-		-	-																
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane														-		-	-																
Unknown Aromatic		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Aromatic		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Aromatic		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene														-		-	-																
Unknown Benzene														-		-	-																
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene														-		-	-																
Unknown Benzene														-		-	-																
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Cycloalkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Cyclohexane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds		-		-	-	-		-	-	0.00254	J	0	0	-		-	-	0.00346	J	0	0	0.00172	J	0	0	0.0195	J	0	0	0.00238	J	0	0
Perfluorinated Alkyl Acids (ug/kg)																																	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		ND		0.00055	0.000316	ND		0.000549	0.000315	ND		0.000545	0.000313	ND		0.000543	0.000312	ND		0.000536	0.000308	ND		0.000538	0.000309	ND		0.000539	0.000309	ND		0.000545	0.000313
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		ND		0.00055	0.000197	ND		0.000549	0.000197	ND		0.000545	0.000196	ND		0.000543	0.000195	ND		0.000536	0.000192	ND		0.000538	0.000193	ND		0.000539	0.000193	ND		0.000545	0.000196

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-12								RI-SB-13																			
Client Sample ID:		RI-SB-12 (8-8.5)				RI-SB-12 (12.5-13)				RI-SB-13 (3-3.5)				DUP-20230912				RI-SB-13 (7-7.5)				RI-SB-13 (13-13.5)				RI-SB-13 (17-17.5)				RI-SB-13 (24.5-25)			
Lab Sample ID:		L2353482-07				L2353482-08				L2353059-01				L2353059-10				L2353059-02				L2353059-03				L2353059-04				L2353059-05			
Date Sampled:	USCO	9/13/2023				9/13/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023			
Sample Depth (ft bgs):		8-8.5'				12.5-13'				3-3.5'								7-7.5'				13-13.5'				17-17.5'				24.5-25'			
Matrix:		SOIL				SOIL				SOIL				SOIL								SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		ND		0.00055	0.000093	ND		0.000549	0.000093	ND		0.000545	0.000092	ND		0.000543	0.000092	ND		0.000536	0.000091	ND		0.000538	0.000091	ND		0.000539	0.000091	ND		0.000545	0.000092
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		ND		0.00055	0.000222	ND		0.000549	0.000221	ND		0.000545	0.000219	ND		0.000543	0.000219	ND		0.000536	0.000216	ND		0.000538	0.000217	ND		0.000539	0.000217	ND		0.000545	0.000219
Perfluorobutanesulfonic Acid (PFBS)		ND		0.000275	0.000043	ND		0.000275	0.000043	ND		0.000272	0.000043	ND		0.000271	0.000042	ND		0.000268	0.000042	ND		0.000269	0.000042	ND		0.000269	0.000042	ND		0.000272	0.000043
Perfluorobutanoic Acid (PFBA)		ND		0.00055	0.000025	ND		0.000549	0.000025	ND		0.000545	0.000025	ND		0.000543	0.000025	ND		0.000536	0.000024	ND		0.000538	0.000024	ND		0.000539	0.000024	ND		0.000545	0.000025
Perfluorodecanesulfonic Acid (PFDS)		ND		0.00055	0.000168	ND		0.000549	0.000168	ND		0.000545	0.000167	ND		0.000543	0.000166	ND		0.000536	0.000164	ND		0.000538	0.000164	ND		0.000539	0.000165	ND		0.000545	0.000167
Perfluorodecanoic Acid (PFDA)		ND		0.000275	0.000074	ND		0.000275	0.000074	ND		0.000272	0.000073	ND		0.000271	0.000073	ND		0.000268	0.000072	ND		0.000269	0.000072	ND		0.000269	0.000072	ND		0.000272	0.000073
Perfluorododecanoic Acid (PFDoA)		ND		0.00055	0.000077	ND		0.000549	0.000077	ND		0.000545	0.000076	ND		0.000543	0.000076	ND		0.000536	0.000075	ND		0.000538	0.000075	ND		0.000538	0.000075	ND		0.000545	0.000076
Perfluoroheptanesulfonic Acid (PFHpS)		ND		0.00055	0.00015	ND		0.000549	0.00015	ND		0.000545	0.000149	ND		0.000543	0.000148	ND		0.000536	0.000146	ND		0.000538	0.000147	ND		0.000539	0.000147	ND		0.000545	0.000149
Perfluoroheptanoic Acid (PFHpA)		ND		0.000275	0.00005	ND		0.000275	0.00005	ND		0.000272	0.000049	ND		0.000271	0.000049	ND		0.000268	0.000048	ND		0.000269	0.000049	ND		0.000269	0.000049	ND		0.000272	0.000049
Perfluorohexanesulfonic Acid (PFHxS)		ND		0.000275	0.000067	ND		0.000275	0.000067	ND		0.000272	0.000066	ND		0.000271	0.000066	ND		0.000268	0.000065	ND		0.000269	0.000065	ND		0.000269	0.000065	ND		0.000272	0.000066
Perfluorohexanoic Acid (PFHxA)		ND		0.00055	0.000058	ND		0.000549	0.000058	ND		0.000545	0.000057	ND		0.000543	0.000057	ND		0.000536	0.000056	ND		0.000538	0.000057	ND		0.000539	0.000057	ND		0.000545	0.000057
Perfluorononanoic Acid (PFNA)		ND		0.000275	0.000083	ND		0.000275	0.000082	ND		0.000272	0.000082	ND		0.000271	0.000081	ND		0.00008	0.00008	ND		0.000269	0.000081	ND		0.000269	0.000081	ND		0.000272	0.000082
Perfluorooctanesulfonamide (FOSA)		ND		0.00055	0.000108	ND		0.000549	0.000108	ND		0.000545	0.000107	ND		0.000543	0.000106	ND		0.000536	0.000105	ND		0.000538	0.000105	ND		0.000539	0.000106	ND		0.000545	0.000107
Perfluorooctanesulfonic Acid (PFOS)	0.88	ND		0.000275	0.000143	ND		0.000275	0.000143	ND		0.000272	0.000142	ND		0.000271	0.000141	ND		0.000268	0.000139	ND		0.000269	0.00014	ND		0.000269	0.00014	ND		0.000272	0.000142
Perfluorooctanoic Acid (PFOA)	0.66	ND		0.000275	0.000046	ND		0.000275	0.000046	ND		0.000272	0.000046	ND		0.000271	0.000046	ND		0.000268	0.000045	ND		0.000269	0.000045	ND		0.000269	0.000045	ND		0.000272	0.000046
Perfluoropentanoic Acid (PFPeA)		ND		0.00055	0.000051	ND		0.000549	0.000051	ND		0.000545	0.00005	ND		0.000543	0.00005	ND		0.000536	0.000049	ND		0.000538	0.00005	ND		0.000539	0.00005	ND		0.000545	0.00005
Perfluorotetradecanoic Acid (PFTA)		ND		0.00055	0.000059	ND		0.000549	0.000059	ND		0.000545	0.000059	ND		0.000543	0.000059	ND		0.000536	0.000058	ND		0.000538	0.000058	ND		0.000539	0.000058	ND		0.000545	0.000059
Perfluorotridecanoic Acid (PFTrDA)		ND		0.00055	0.000225	ND		0.000549	0.000225	ND		0.000545	0.000223	ND		0.000543	0.000222	ND		0.000536	0.000219	ND		0.000538	0.00022	ND		0.000539	0.00022	ND		0.000545	0.000223
Perfluoroundecanoic Acid (PFUnA)		ND		0.00055	0.000052	ND		0.000549	0.000051	ND		0.000545	0.000051	ND		0.000543	0.000051	ND		0.000536	0.00005	ND		0.000538	0.00005	ND		0.000539	0.00005	ND		0.000545	0.000051
PFOA/PFOS, Total		ND		0.000275	0.000046	ND		0.000275	0.000046	ND		0.000272	0.000046	ND		0.000271	0.000046	ND		0.000268	0.000045	ND		0.000269	0.000045	ND		0.000269	0.000045	ND		0.000272	0.000046
Semi-Volatile Organic Compounds (mg/kg)																																	
1,2,4,5-Tetrachlorobenzene		ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.018	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019
1,2,4-Trichlorobenzene		ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.021	ND		0.18	0.02
1,2-Dichlorobenzene	1.1	ND		0.18	0.033	ND		0.18	0.033	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032
1,3-Dichlorobenzene	2.4	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031
1,4-Dichlorobenzene	1.8	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.032	ND		0.18	0.031
1,4-Dioxane	0.1	ND		0.028	0.0085	ND		0.028	0.0085	ND		0.027	0.0084	ND		0.027	0.0082	ND		0.026	0.0081	ND		0.027	0.0082	ND		0.027	0.0083	ND		0.027	0.0082
2,4,5-Trichlorophenol		ND		0.18	0.036	ND		0.18	0.035	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.034
2,4,6-Trichlorophenol		ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034
2,4-Dichlorophenol		ND		0.17	0.03	ND		0.16	0.03	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.028	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029
2,4-Dimethylphenol		ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.06	ND		0.18	0.059	ND		0.18	0.058	ND		0.18	0.059	ND		0.18	0.06	ND		0.18	0.059
2,4-Dinitrophenol		ND		0.89	0.086	ND		0.88	0.086	ND		0.88	0.085	ND		0.86	0.083	ND		0.85	0.082	ND		0.86	0.083	ND		0.87	0.084	ND		0.86	0.083
2,4-Dinitrotoluene		ND		0.18	0.037	ND		0.18	0.037	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.035	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.036
2,6-Dinitrotoluene		ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.03
2-Chloronaphthalene		ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018
2-Chlorophenol		ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021
2-Methylnaphthalene		ND		0.22	0.022	ND		0.22	0.022	ND		0.22	0.022	ND		0.21	0.022	ND		0.21	0.021	ND		0.21	0.022	ND		0.22	0.022	ND		0.21	0.022
2-Methylphenol	0.33	ND		0.18	0.029	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028
2-Nitroaniline		ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.034
2-Nitrophenol		ND		0.4	0.07	ND		0.4	0.069	ND		0.39	0.069	ND		0.39	0.067	ND		0.38	0.066	ND		0.38	0.067	ND		0.39	0.068	ND		0.38	0.067
3,3'-Dichlorobenzidine		ND		0.18	0.049	ND		0.18	0.049	ND		0.18	0.048	ND		0.18	0.048	ND		0.18	0.047	ND		0.18	0.047	ND		0.18	0.048	ND		0.18	0.047
3-Methylphenol/4-Methylphenol	0.33	ND		0.27	0.029	ND		0.26	0.029	ND		0.26	0.028	ND		0.26	0.028	ND		0.25	0.028	ND		0.26	0.028	ND		0.26	0.028	ND		0.26	0.028
3-Nitroaniline		ND		0.18	0.035	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.033	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034
4,6-Dinitro-o-cresol		ND		0.48	0.089	ND		0.48	0.088	ND		0.47	0.088	ND		0.46	0.086	ND		0.46	0.085	ND		0.46	0.086	ND		0.47	0.087	ND		0.46	0.086
4-Bromophenyl phenyl ether		ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.027
4-Chloroaniline		ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.032
4-Chlorophenyl phenyl ether		ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019
4-Nitroaniline		ND		0.18	0.077	ND		0.18	0.076	ND		0.18	0.076	ND		0.18	0.074	ND		0.18	0.073	ND		0.18	0.074	ND		0.18	0.075	ND		0.18	0.074
4-Nitrophenol		ND		0.26	0.076	ND		0.26	0.075	ND		0.26	0.074	ND		0.25	0.073	ND		0.25	0.072	ND		0.25	0.073	ND		0.25	0.074	ND		0.25	0.073
Acenaphthene	20	ND		0.15	0.019	ND		0.15	0.019	ND		0.15	0.019	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.019	ND		0.14	0.018
Acenaphthylene	100	ND		0.15	0.029	ND		0.15	0.028	ND		0.15	0.028	ND		0.14	0.028	ND		0.14	0.027	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028
Acetophenone		ND		0.18	0.023	ND		0.18	0.023	ND		0.18	0.023	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022
Anthracene	100	ND		0.11	0.036	ND		0.11	0.036	ND		0.11	0.036	ND		0.11	0.035	ND		0.11	0.034	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035
Benzo(a)anthracene	1	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02
Benzo(a)pyrene	1	ND		0.15	0.045	ND		0.15	0.045	ND		0.15	0.044	ND		0.14	0.044	ND		0.14	0.043	ND		0.14	0.044	ND		0.14	0.044	ND		0.14	0.043
Benzo(b)fluoranthene	1	ND		0.11	0.031	ND		0.11	0.031	ND		0.11	0.031	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03
Benzo(ghi)perylene	100	ND		0.15	0.022	ND		0.15	0.022	ND		0.15	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021
Benzo(k)fluoranthene	0.8	ND		0.11	0.03	ND		0.11	0.029	ND		0.11	0.029	ND		0.11	0.028	ND		0.11	0.028	ND		0.11	0.028	ND		0.11	0.029	ND		0.11	0.028
Benzoic Acid		ND		0.6	0.19	ND		0.6	0.19	ND		0.59	0.18	ND		0.58	0.18	ND		0.57	0.18	ND		0.58	0.18	ND		0.58	0.18	ND		0.58	0.18
Benzyl Alcohol		ND		0.18	0.057	ND		0.18	0.056	ND		0.18	0.056	ND		0.18	0.055	ND		0.18	0.054	ND		0.18	0.054	ND		0.18	0.055	ND		0.18	0.054
Biphenyl		ND		0.42	0.024	ND		0.42	0.024	ND		0.42	0.024	ND		0.41	0.023	ND		0.4	0.023	ND		0.41	0.023	ND		0.41	0.024	ND		0.41	0.023
Bis(2-chloroethoxy)methane		ND		0.2	0.018	ND		0.2	0.018	ND		0.2	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.2	0.018	ND		0.19	0.018
Bis(2-chloroethyl)ether		ND		0.17	0.025	ND		0.16	0.025	ND		0.16	0.025	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024
Bis(2-chloroisopropyl)ether		ND		0.22	0.032	ND		0.22	0.031	ND		0.22	0.031	ND		0.21	0.03	ND		0.21	0.03	ND		0.21	0.03	ND		0.22	0.031	ND		0.21	0.03
Bis(2-ethylhexyl)phthalate		ND		0.18	0.064	ND		0.18	0.064	ND		0.18	0.063	ND		0.18	0.062	ND		0.18	0.061	ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.062
Butyl benzyl phthalate		ND		0.18	0.047	ND		0.18	0.046	ND		0.18	0.046	ND		0.18	0.045	ND		0.18	0.044	ND		0.18	0.045	ND		0.18	0.046	ND		0.18	0.045
Carbazole		ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.18	0.017
Chrysene	1	ND		0.11	0.019	ND		0.11	0.019	ND		0.11	0.019	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.019	ND		0.11	0.018
Di-n-butylphthalate		ND		0.18	0.035	ND		0.18	0.035	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RI-SB-12								RI-SB-13							
Client Sample ID:		RI-SB-12 (8-8.5)				RI-SB-12 (12.5-13)				RI-SB-13 (3-3.5)				DUP-20230912			
Lab Sample ID:		L2353482-07				L2353482-08				L2353059-01				L2353059-10			
Date Sampled:		9/13/2023				9/13/2023				9/12/2023				9/12/2023			
Sample Depth (ft bgs):		8-8.5'				12.5-13'				3-3.5'							
Matrix:		SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate		ND		0.18	0.063	ND		0.18	0.063	ND		0.18	0.062	ND		0.18	0.061
Dibenzo(a,h)anthracene	0.33	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021
Dibenzofuran	7	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017
Diethyl phthalate		ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.016
Dimethyl phthalate		ND		0.18	0.039	ND		0.18	0.039	ND		0.18	0.038	ND		0.18	0.038
Fluoranthene	100	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.02
Fluorene	30	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.017
Hexachlorobenzene	0.33	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02
Hexachlorobutadiene		ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.026
Hexachlorocyclopentadiene		ND		0.53	0.17	ND		0.53	0.17	ND		0.52	0.16	ND		0.51	0.16
Hexachloroethane		ND		0.15	0.03	ND		0.15	0.03	ND		0.15	0.03	ND		0.14	0.029
Indeno(1,2,3-cd)pyrene	0.5	ND		0.15	0.026	ND		0.15	0.026	ND		0.15	0.025	ND		0.14	0.025
Isophorone		ND		0.17	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.023
n-Nitrosodi-n-propylamine		ND		0.18	0.029	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028
Naphthalene	12	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022
NDPA/DPA		ND		0.15	0.021	ND		0.15	0.021	ND		0.15	0.021	ND		0.14	0.02
Nitrobenzene		ND		0.17	0.027	ND		0.16	0.027	ND		0.16	0.027	ND		0.16	0.026
p-Chloro-m-cresol		ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027
Pentachlorophenol	0.8	ND		0.15	0.041	ND		0.15	0.04	ND		0.15	0.04	ND		0.14	0.039
Phenanthrene	100	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022
Phenol	0.33	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.027
Pyrene	100	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018
Total SVOCs		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																	
Benzene, Propyl-														-		-	-
Indane														-		-	-
No Tentatively Identified Compounds		ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene														-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown														-		-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Benzene														-		-	-
Unknown Benzene														-		-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Benzene														-		-	-
Unknown Benzene														-		-	-
Unknown Benzene														-		-	-
Unknown Benzene														-		-	-
Unknown Benzene														-		-	-
Unknown Indene		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Organic Acid		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Unknown Organic Acid		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Total TIC Compounds		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
Pesticides (mg/kg)																	
4,4'-DDD	0.0033	ND		0.00176	0.000629	ND		0.00174	0.000619	ND		0.00173	0.000618	ND		0.0017	0.000606
4,4'-DDE	0.0033	ND		0.00176	0.000408	ND		0.00174	0.000402	ND		0.00173	0.0004	ND		0.0017	0.000393
4,4'-DDT	0.0033	ND		0.00176	0.00142	ND		0.00174	0.0014	ND		0.00173	0.00139	ND		0.0017	0.00136
Aldrin	0.005	ND		0.00176	0.000621	ND		0.00174	0.000611	ND		0.00173	0.00061	ND		0.0017	0.000598
Alpha-BHC	0.02	ND		0.000735	0.000209	ND		0.000724	0.000205	ND		0.000722	0.000205	ND		0.000707	0.000201
Beta-BHC	0.036	ND		0.00176	0.000669	ND		0.00174	0.000658	ND		0.00173	0.000656	ND		0.0017	0.000644
Chlordane		ND		0.0147	0.00584	ND		0.0145	0.00575	ND		0.0144	0.00574	ND		0.0141	0.00562
cis-Chlordane	0.094	ND		0.0022	0.000614	ND		0.00217	0.000605	ND		0.00216	0.000603	ND		0.00212	0.000591
Delta-BHC	0.04	ND		0.00176	0.000345	ND		0.00174	0.00034	ND		0.00173	0.000339	ND		0.0017	0.000332
Dieldrin	0.005	ND		0.0011	0.000551	ND		0.00108	0.000543	ND		0.00108	0.000541	ND		0.00106	0.00053
Endosulfan I	2.4	ND		0.00176	0.000417	ND		0.00174	0.00041	ND		0.00173	0.000409	ND		0.0017	0.000401
Endosulfan II	2.4	ND		0.00176	0.00059	ND		0.00174	0.00058	ND		0.00173	0.000579	ND		0.0017	0.000567
Endosulfan sulfate	2.4	ND		0.000735	0.00035	ND		0.000724	0.000344	ND		0.000722	0.000343	ND		0.000707	0.000337
Endrin	0.014	ND		0.000735	0.000301	ND		0.000724	0.000297	ND		0.000722	0.000296	ND		0.000707	0.00029

Boring ID:	RI-SB-13															
Client Sample ID:	RI-SB-13 (7-7.5)				RI-SB-13 (13-13.5)				RI-SB-13 (17-17.5)				RI-SB-13 (24.5-25)			
Lab Sample ID:	L2353059-02				L2353059-03				L2353059-04				L2353059-05			
Date Sampled:	9/12/2023				9/12/2023				9/12/2023				9/12/2023			
Sample Depth (ft bgs):	7-7.5'				13-13.5'				17-17.5'				24.5-25'			
Matrix:					SOIL				SOIL				SOIL			
	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate	ND		0.18	0.06	ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.061
Dibenzo(a,h)anthracene	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021
Dibenzofuran	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017
Diethyl phthalate	ND		0.18	0.016	ND		0.18	0.016	ND		0.18	0.017	ND		0.18	0.016
Dimethyl phthalate	ND		0.18	0.037	ND		0.18	0.037	ND		0.18	0.038	ND		0.18	0.037
Fluoranthene	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.02
Fluorene	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.18	0.017
Hexachlorobenzene	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02
Hexachlorobutadiene	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026
Hexachlorocyclopentadiene	ND		0.5	0.16	ND		0.51	0.16	ND		0.52	0.16	ND		0.51	0.16
Hexachloroethane	ND		0.14	0.028	ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.029
Indeno(1,2,3-cd)pyrene	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025
Isophorone	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023
n-Nitrosodi-n-propylamine	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028
Naphthalene	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022
NDPA/DPA	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02
Nitrobenzene	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.027	ND		0.16	0.026
p-Chloro-m-cresol	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.027	ND		0.18	0.026
Pentachlorophenol	ND		0.14	0.039	ND		0.14	0.039	ND		0.14	0.04	ND		0.14	0.039
Phenanthrene	ND		0.11	0.021	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022
Phenol	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027
Pyrene	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018
Total SVOCs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																
Benzene, Propyl-																
Indane																
No Tentatively Identified Compounds	ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene																
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown																
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																
Unknown Benzene																
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																
Unknown Benzene																
Unknown Benzene																
Unknown Benzene																
Unknown Benzene																
Unknown Indene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides (mg/kg)																
4,4'-DDD	ND		0.00167	0.000596	ND		0.0017	0.000605	ND		0.00176	0.000626	ND		0.00168	0.000601
4,4'-DDE	ND		0.00167	0.000386	ND		0.0017	0.000392	ND		0.00176	0.000406	ND		0.00168	0.00039
4,4'-DDT	ND		0.00167	0.00134	ND		0.0017	0.00136	ND		0.00176	0.00141	ND		0.00168	0.00135
Aldrin	ND		0.00167	0.000588	ND		0.0017	0.000597	ND		0.00176	0.000618	ND		0.00168	0.000593
Alpha-BHC	ND		0.000696	0.000198	ND		0.000707	0.000201	ND		0.000732	0.000208	ND		0.000702	0.000199
Beta-BHC	ND		0.00167	0.000634	ND		0.0017	0.000643	ND		0.00176	0.000666	ND		0.00168	0.000639
Chlordane	ND		0.0139	0.00554	ND		0.0141	0.00562	ND		0.0146	0.00582	ND		0.014	0.00558
cis-Chlordane	ND		0.00209	0.000582	ND		0.00212	0.000591	ND		0.00219	0.000612	ND		0.00211	0.000587
Delta-BHC	ND		0.00167	0.000327	ND		0.0017	0.000332	ND		0.00176	0.000344	ND		0.00168	0.00033
Dieldrin	ND		0.00104	0.000522	ND		0.00106	0.00053	ND		0.0011	0.000549	ND		0.00105	0.000526
Endosulfan I	ND		0.00167	0.000395	ND		0.0017	0.000401	ND		0.00176	0.000415	ND		0.00168	0.000398
Endosulfan II	ND		0.00167	0.000558	ND		0.0017	0.000567	ND		0.00176	0.000587	ND		0.00168	0.000563
Endosulfan sulfate	ND		0.000696	0.000331	ND		0.000707	0.000336	ND		0.000732	0.000348	ND		0.000702	0.000334
Endrin	ND		0.000696	0.000286	ND		0.000707	0.00029	ND		0.000732	0.0003	ND		0.000702	0.000288

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-12								RI-SB-13																			
Client Sample ID:		RI-SB-12 (8-8.5)				RI-SB-12 (12.5-13)				RI-SB-13 (3-3.5)				DUP-20230912				RI-SB-13 (7-7.5)				RI-SB-13 (13-13.5)				RI-SB-13 (17-17.5)				RI-SB-13 (24.5-25)			
Lab Sample ID:		L2353482-07				L2353482-08				L2353059-01				L2353059-10				L2353059-02				L2353059-03				L2353059-04				L2353059-05			
Date Sampled:	USCO	9/13/2023				9/13/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/12/2023			
Sample Depth (ft bgs):		8-8.5'				12.5-13'				3-3.5'				7-7.5'				13-13.5'				17-17.5'				24.5-25'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Endrin aldehyde		ND		0.0022	0.000772	ND		0.00217	0.00076	ND		0.00216	0.000758	ND		0.00212	0.000743	ND		0.00209	0.000731	ND		0.00212	0.000742	ND		0.00219	0.000768	ND		0.00211	0.000737
Endrin ketone		ND		0.00176	0.000454	ND		0.00174	0.000447	ND		0.00173	0.000446	ND		0.0017	0.000437	ND		0.00167	0.00043	ND		0.0017	0.000437	ND		0.00176	0.000452	ND		0.00168	0.000434
Heptachlor	0.042	ND		0.000882	0.000395	ND		0.000868	0.000389	ND		0.000866	0.000388	ND		0.000849	0.00038	ND		0.000836	0.000375	ND		0.000848	0.00038	ND		0.000878	0.000394	ND		0.000842	0.000378
Heptachlor epoxide		ND		0.00331	0.000992	ND		0.00326	0.000977	ND		0.00325	0.000974	ND		0.00318	0.000955	ND		0.00313	0.00094	ND		0.00318	0.000954	ND		0.00329	0.000988	ND		0.00316	0.000948
Lindane	0.1	ND		0.000735	0.000328	ND		0.000724	0.000323	ND		0.000722	0.000322	ND		0.000707	0.000316	ND		0.000696	0.000311	ND		0.000707	0.000316	ND		0.000732	0.000327	ND		0.000702	0.000314
Methoxychlor		ND		0.00331	0.00103	ND		0.00326	0.00101	ND		0.00325	0.00101	ND		0.00318	0.00099	ND		0.00313	0.000975	ND		0.00318	0.000989	ND		0.00329	0.00102	ND		0.00316	0.000983
Toxaphene		ND		0.0331	0.00926	ND		0.0326	0.00912	ND		0.0325	0.00909	ND		0.0318	0.00891	ND		0.0313	0.00877	ND		0.0318	0.0089	ND		0.0329	0.00922	ND		0.0316	0.00884
trans-Chlordane		ND		0.0022	0.000582	ND		0.00217	0.000573	ND		0.00216	0.000571	ND		0.00212	0.00056	ND		0.00209	0.000552	ND		0.00212	0.00056	ND		0.00219	0.000579	ND		0.00211	0.000556
Polychlorinated Biphenyls (mg/kg)																																	
Aroclor 1016	0.1	ND		0.0537	0.00477	ND		0.0542	0.00481	ND		0.0531	0.00471	ND		0.0523	0.00464	ND		0.0509	0.00452	ND		0.0515	0.00458	ND		0.0516	0.00458	ND		0.0519	0.00461
Aroclor 1221	0.1	ND		0.0537	0.00538	ND		0.0542	0.00543	ND		0.0531	0.00532	ND		0.0523	0.00524	ND		0.0509	0.0051	ND		0.0515	0.00516	ND		0.0516	0.00517	ND		0.0519	0.0052
Aroclor 1232	0.1	ND		0.0537	0.0114	ND		0.0542	0.0115	ND		0.0531	0.0112	ND		0.0523	0.0111	ND		0.0509	0.0108	ND		0.0515	0.0109	ND		0.0516	0.0109	ND		0.0519	0.011
Aroclor 1242	0.1	ND		0.0537	0.00724	ND		0.0542	0.0073	ND		0.0531	0.00715	ND		0.0523	0.00705	ND		0.0509	0.00686	ND		0.0515	0.00695	ND		0.0516	0.00696	ND		0.0519	0.007
Aroclor 1248	0.1	ND		0.0537	0.00806	ND		0.0542	0.00813	ND		0.0531	0.00796	ND		0.0523	0.00785	ND		0.0509	0.00764	ND		0.0515	0.00773	ND		0.0516	0.00775	ND		0.0519	0.00779
Aroclor 1254	0.1	ND		0.0537	0.00588	ND		0.0542	0.00593	ND		0.0531	0.0058	ND		0.0523	0.00572	ND		0.0509	0.00557	ND		0.0515	0.00564	ND		0.0516	0.00565	ND		0.0519	0.00568
Aroclor 1260	0.1	ND		0.0537	0.00993	ND		0.0542	0.01	ND		0.0531	0.0098	ND		0.0523	0.00967	ND		0.0509	0.00941	ND		0.0515	0.00952	ND		0.0516	0.00954	ND		0.0519	0.0096
Aroclor 1262	0.1	ND		0.0537	0.00682	ND		0.0542	0.00688	ND		0.0531	0.00674	ND		0.0523	0.00664	ND		0.0509	0.00646	ND		0.0515	0.00655	ND		0.0516	0.00656	ND		0.0519	0.0066
Aroclor 1268	0.1	ND		0.0537	0.00557	ND		0.0542	0.00561	ND		0.0531	0.0055	ND		0.0523	0.00542	ND		0.0509	0.00527	ND		0.0515	0.00534	ND		0.0516	0.00535	ND		0.0519	0.00538
PCBs, Total	0.1	ND		0.0537	0.00477	ND		0.0542	0.00481	ND		0.0531	0.00471	ND		0.0523	0.00464	ND		0.0509	0.00452	ND		0.0515	0.00458	ND		0.0516	0.00458	ND		0.0519	0.00461
Total Metals (mg/kg)																																	
Aluminum, Total		11500		8.4	2.27	11300		8.52	2.3	9240		8.59	2.32	10400		8.69	2.35	10000		8.57	2.31	8040		8.21	2.22	7910		8.71	2.35	11000		8.37	2.26
Antimony, Total		ND		4.2	0.319	ND		4.26	0.324	0.775	J	4.3	0.326	0.924	J	4.35	0.33	0.89	J	4.28	0.326	0.48	J	4.11	0.312	0.727	J	4.36	0.331	0.698	J	4.19	0.318
Arsenic, Total	13	1.38		0.84	0.175	1.42		0.852	0.177	1.66		0.859	0.179	2.14		0.869	0.181	1.67		0.857	0.178	1.22		0.821	0.171	1.33		0.871	0.181	1.61		0.837	0.174
Barium, Total	350	134		0.84	0.146	126		0.852	0.148	114		0.859	0.15	121		0.869	0.151	137		0.857	0.149	103		0.821	0.143	102		0.871	0.152	135		0.837	0.146
Beryllium, Total	7.2	0.768		0.42	0.028	0.78		0.426	0.028	0.135	J	0.43	0.028	0.162	J	0.435	0.029	0.052	J	0.428	0.028	0.083	J	0.411	0.027	0.063	J	0.436	0.029	0.117	J	0.419	0.028
Cadmium, Total	2.5	ND		0.84	0.082	ND		0.852	0.084	ND		0.859	0.084	ND		0.869	0.085	ND		0.857	0.084	ND		0.821	0.081	ND		0.871	0.085	ND		0.837	0.082
Calcium, Total		8130		8.4	2.94	7760		8.52	2.98	2780		8.59	3.01	2580		8.69	3.04	7740		8.57	3	5370		8.21	2.88	6600		8.71	3.05	6110		8.37	2.93
Chromium, Total		19.4		0.84	0.081	19.6		0.852	0.082	16		0.859	0.083	19.8		0.869	0.083	26.4		0.857	0.082	16.3		0.821	0.079	45.4		0.871	0.084	21.1		0.837	0.08
Cobalt, Total		8.92		1.68	0.14	8.9		1.7	0.141	7.74		1.72	0.143	8.94		1.74	0.144	8.69		1.71	0.142	6.45		1.64	0.136	6.56		1.74	0.145	9.95		1.67	0.139
Copper, Total	50	16.7		0.84	0.217	17.1		0.852	0.22	13.9		0.859	0.222	15		0.869	0.224	14.8		0.857	0.221	10.4		0.821	0.212	15.4		0.871	0.225	15		0.837	0.216
Iron, Total		19600		4.2	0.759	19900		4.26	0.769	17300		4.3	0.776	19400		4.35	0.785	19200		4.28	0.774	15000		4.11	0.742	16700		4.36	0.787	19600		4.19	0.756
Lead, Total	63	4.16	J	4.2	0.225	4.55		4.26	0.228	3.91	J	4.3	0.23	6.22		4.35	0.233	3.74	J	4.28	0.23	3.64	J	4.11	0.22	4.06	J	4.36	0.234	4.51		4.19	0.224
Magnesium, Total		7110		8.4	1.29	6900		8.52	1.31	4800		8.59	1.32	5340		8.69	1.34	6450		8.57	1.32	5240		8.21	1.26	4830		8.71	1.34	6700		8.37	1.29
Manganese, Total	1600	276		0.84	0.134	280		0.852	0.135	255		0.859	0.137	280		0.869	0.138	239		0.857	0.136	144		0.821	0.131	181		0.871	0.138	213		0.837	0.133
Mercury, Total	0.18	ND		0.072	0.047	ND		0.072	0.047	0.095		0.07	0.046	ND		0.076	0.049	ND		0.07	0.045	ND		0.072	0.047	ND		0.074	0.048	ND		0.069	0.045
Nickel, Total	30	15		2.1	0.203	16		2.13	0.206	13.9		2.15	0.208	18.6		2.17	0.21	17.8		2.14	0.207	13		2.05	0.199	16.4		2.18	0.211	18.3		2.09	0.203
Potassium, Total		5510		210	12.1	5480		213	12.3	4420		215	12.4	4700		217	12.5	5300		214	12.3	4410		205	11.8	4190		218	12.5	5970		209	12
Selenium, Total	3.9	ND		1.68	0.217	ND		1.7	0.22	ND		1.72	0.222	ND		1.74	0.224	ND		1.71	0.221	ND		1.64	0.212	ND		1.74	0.225	ND		1.67	0.216
Silver, Total	2	ND		0.42	0.238	ND		0.426	0.241	ND		0.43	0.243	ND		0.435	0.246	ND		0.428	0.242	ND		0.411	0.232	ND		0.436	0.247	ND		0.419	0.237
Sodium, Total		166	J	168	2.65	159	J	170	2.68	98	J	172	2.71	104	J	174	2.74	122	J	171	2.7	89.1	J	164	2.59	136	J	174	2.74	114	J	167	2.64
Thallium, Total		ND		1.68	0.265	0.387	J	1.7	0.268	1.22	J	1.72	0.271	1.09	J	1.74	0.274	1.42	J	1.71	0.27	1.09	J	1.64	0.259	1.04	J	1.74	0.274	1.35	J	1.67	0.264
Vanadium, Total		28.8		0.84	0.171	27.7		0.852	0.173	22.2		0.859	0.174	26.1		0.869	0.176	26.4		0.857	0.174	21.7		0.821	0.167	20.5		0.871	0.177	29.1		0.837	0.17
Zinc, Total	109	45.6		4.2	0.246	46.1		4.26	0.25	42.2		4.3	0.252	51		4.35	0.255	50.3		4.28	0.251	38.3		4.11	0.241	34.8		4.36	0.255	51.4		4.19	0.245
General Chemistry																																	
Cyanide, Total	27	ND		1	0.22	ND		1	0.22	ND		1	0.21	ND		1	0.22	ND		1	0.21	ND		1	0.21	ND		1	0.22	ND		1	0.22
Solids, Total (%)		89.8		0.1	NA	90.1		0.1	NA	90		0.1	NA	90.5		0.1	NA	93		0.1	NA	91.6		0.1	NA	91		0.1	NA	90.9		0.1	NA

Notes:
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
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
Concentration exceeds USCO
Concentration exceeds RRSCO
Reporting Limit exceeds USCO but reported Conc does not

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RI-SB-14								RI-SB-15								RI-SB-16								RI-SB-17				RI-S			
Client Sample ID:		RI-SB-14 (2-2.5)				RI-SB-14 (8.5-9)				RI-SB-15 (3.5-4)				RI-SB-15 (7.5-8)				RI-SB-16 (2-2.5)				RI-SB-16 (6.5-7)				RI-SB-17 (4.5-5)				RI-SB-18 (3-3.5)			
Lab Sample ID:		L2353059-06				L2353059-07				L2353059-08				L2353059-09				L2353482-01				L2353482-02				L2353482-03				L2353482-04			
Date Sampled:		9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/13/2023				9/13/2023				9/13/2023				9/13/2023			
Sample Depth (ft bgs):		2-2.5'				8.5-9'				3.5-4'				7.5-8'				2-2.5'				6.5-7'				4.5-5'				3-3.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)																																	
1,1,1,2-Tetrachloroethane		ND		0.00047	0.00012	ND		0.00048	0.00013	ND		0.00052	0.00014	ND		0.00048	0.00013	ND		0.00047	0.00012	ND		0.0006	0.00016	ND		0.00047	0.00012	ND		0.00051	0.00014
1,1,1-Trichloroethane	0.68	ND		0.00047	0.00016	ND		0.00048	0.00016	ND		0.00052	0.00018	ND		0.00048	0.00016	ND		0.00047	0.00016	ND		0.0006	0.0002	ND		0.00047	0.00016	ND		0.00051	0.00017
1,1,2,2-Tetrachloroethane		ND		0.00047	0.00016	ND		0.00048	0.00016	ND		0.00052	0.00017	ND		0.00048	0.00016	ND		0.00047	0.00016	ND		0.0006	0.0002	ND		0.00047	0.00016	ND		0.00051	0.00017
1,1,2-Trichloroethane		ND		0.00094	0.00025	ND		0.00096	0.00026	ND		0.001	0.00028	ND		0.00096	0.00026	ND		0.00094	0.00025	ND		0.0012	0.00032	ND		0.00094	0.00025	ND		0.001	0.00027
1,1-Dichloroethane	0.27	ND		0.00094	0.00014	ND		0.00096	0.00014	ND		0.001	0.00015	ND		0.00096	0.00014	ND		0.00094	0.00014	ND		0.0012	0.00017	ND		0.00094	0.00014	ND		0.001	0.00015
1,1-Dichloroethene	0.33	ND		0.00094	0.00022	ND		0.00096	0.00023	ND		0.001	0.00025	ND		0.00096	0.00023	ND		0.00094	0.00022	ND		0.0012	0.00028	ND		0.00094	0.00022	ND		0.001	0.00024
1,1-Dichloropropene		ND		0.00047	0.00015	ND		0.00048	0.00015	ND		0.00052	0.00017	ND		0.00048	0.00015	ND		0.00047	0.00015	ND		0.0006	0.00019	ND		0.00047	0.00015	ND		0.00051	0.00016
1,2,3-Trichlorobenzene		ND		0.0019	0.0003	ND		0.0019	0.00031	ND		0.0021	0.00034	ND		0.0019	0.00031	ND		0.0019	0.0003	ND		0.0024	0.00038	ND		0.0019	0.0003	ND		0.002	0.00033
1,2,3-Trichloropropane		ND		0.0019	0.00012	ND		0.0019	0.00012	ND		0.0021	0.00013	ND		0.0019	0.00012	ND		0.0019	0.00012	ND		0.0024	0.00015	ND		0.0019	0.00012	ND		0.002	0.00013
1,2,4,5-Tetramethylbenzene		ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0021	0.0002	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0024	0.00023	ND		0.0019	0.00018	ND		0.002	0.0002
1,2,4-Trichlorobenzene		ND		0.0019	0.00026	ND		0.0019	0.00026	ND		0.0021	0.00028	ND		0.0019	0.00026	ND		0.0019	0.00026	ND		0.0024	0.00032	ND		0.0019	0.00026	ND		0.002	0.00028
1,2,4-Trimethylbenzene	3.6	ND		0.0019	0.00031	ND		0.0019	0.00032	ND		0.0021	0.00035	ND		0.0019	0.00032	ND		0.0019	0.00031	ND		0.0024	0.0004	ND		0.0019	0.00032	ND		0.002	0.00034
1,2-Dibromo-3-chloropropane		ND		0.0028	0.00094	ND		0.0029	0.00096	ND		0.0032	0.001	ND		0.0029	0.00095	ND		0.0028	0.00094	ND		0.0036	0.0012	ND		0.0028	0.00094	ND		0.0031	0.001
1,2-Dibromoethane		ND		0.00094	0.00026	ND		0.00096	0.00027	ND		0.001	0.00029	ND		0.00096	0.00027	ND		0.00094	0.00026	ND		0.0012	0.00033	ND		0.00094	0.00026	ND		0.001	0.00029
1,2-Dichlorobenzene	1.1	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0021	0.00015	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0024	0.00017	ND		0.0019	0.00014	ND		0.002	0.00015
1,2-Dichloroethane	0.02	ND		0.00094	0.00024	ND		0.00096	0.00025	ND		0.001	0.00027	ND		0.00096	0.00024	ND		0.00094	0.00024	ND		0.0012	0.0003	ND		0.00094	0.00024	ND		0.001	0.00026
1,2-Dichloroethene, Total		ND		0.00094	0.00013	ND		0.00096	0.00013	ND		0.001	0.00014	ND		0.00096	0.00013	ND		0.00094	0.00013	ND		0.0012	0.00016	ND		0.00094	0.00013	ND		0.001	0.00014
1,2-Dichloropropane		ND		0.00094	0.00012	ND		0.00096	0.00012	ND		0.001	0.00013	ND		0.00096	0.00012	ND		0.00094	0.00012	ND		0.0012	0.00015	ND		0.00094	0.00012	ND		0.001	0.00013
1,3,5-Trimethylbenzene	8.4	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0021	0.0002	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0024	0.00023	ND		0.0019	0.00018	ND		0.002	0.0002
1,3-Dichlorobenzene	2.4	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0021	0.00016	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0024	0.00018	ND		0.0019	0.00014	ND		0.002	0.00015
1,3-Dichloropropane		ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0021	0.00018	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0024	0.0002	ND		0.0019	0.00016	ND		0.002	0.00017
1,3-Dichloropropene, Total		ND		0.00047	0.00015	ND		0.00048	0.00015	ND		0.00052	0.00017	ND		0.00048	0.00015	ND		0.00047	0.00015	ND		0.0006	0.00019	ND		0.00047	0.00015	ND		0.00051	0.00016
1,4-Dichlorobenzene	1.8	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0021	0.00018	ND		0.0019	0.00016	ND		0.0019	0.00016	ND		0.0024	0.0002	ND		0.0019	0.00016	ND		0.002	0.00018
1,4-Dioxane	0.1	ND		0.075	0.033	ND		0.077	0.034	ND		0.084	0.037	ND		0.076	0.034	ND		0.075	0.033	ND		0.095	0.042	ND		0.076	0.033	ND		0.082	0.036
2,2-Dichloropropane		ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0021	0.00021	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0024	0.00024	ND		0.0019	0.00019	ND		0.002	0.00021
2-Butanone	0.12	ND		0.0094	0.0021	ND		0.0096	0.0021	ND		0.01	0.0023	ND		0.0096	0.0021	ND		0.0094	0.0021	ND		0.012	0.0026	ND		0.0094	0.0021	ND		0.01	0.0023
2-Hexanone		ND		0.0094	0.0011	ND		0.0096	0.0011	ND		0.01	0.0012	ND		0.0096	0.0011	ND		0.0094	0.0011	ND		0.012	0.0014	ND		0.0094	0.0011	ND		0.01	0.0012
4-Methyl-2-pentanone		ND		0.0094	0.0012	ND		0.0096	0.0012	ND		0.01	0.0013	ND		0.0096	0.0012	ND		0.0094	0.0012	ND		0.012	0.0015	ND		0.0094	0.0012	ND		0.01	0.0013
Acetone	0.05	0.011		0.0094	0.0045	ND		0.0096	0.0046	0.0097	J	0.01	0.005	0.024		0.0096	0.0046	ND		0.0094	0.0045	ND		0.012	0.0057	ND		0.0094	0.0046	ND		0.01	0.0049
Acrylonitrile		ND		0.0038	0.0011	ND		0.0038	0.0011	ND		0.0042	0.0012	ND		0.0038	0.0011	ND		0.0038	0.0011	ND		0.0048	0.0014	ND		0.0038	0.0011	ND		0.0041	0.0012
Benzene	0.06	ND		0.00047	0.00016	ND		0.00048	0.00016	ND		0.00052	0.00017	ND		0.00048	0.00016	ND		0.00047	0.00016	ND		0.0006	0.0002	ND		0.00047	0.00016	ND		0.00051	0.00017
Bromobenzene		ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0021	0.00015	ND		0.0019	0.00014	ND		0.0019	0.00014	ND		0.0024	0.00017	ND		0.0019	0.00014	ND		0.002	0.00015
Bromochloromethane		ND		0.0019	0.00019	ND		0.0019	0.0002	ND		0.0021	0.00022	ND		0.0019	0.0002	ND		0.0019	0.00019	ND		0.0024	0.00024	ND		0.0019	0.00019	ND		0.002	0.00021
Bromodichloromethane		ND		0.00047	0.0001	ND		0.00048	0.0001	ND		0.00052	0.00011	ND		0.00048	0.0001	ND		0.00047	0.0001	ND		0.0006	0.00013	ND		0.00047	0.0001	ND		0.00051	0.00011
Bromoform		ND		0.0038	0.00023	ND		0.0038	0.00024	ND		0.0042	0.00026	ND		0.0038	0.00024	ND		0.0038	0.00023	ND		0.0048	0.00029	ND		0.0038	0.00023	ND		0.0041	0.00025
Bromomethane		ND		0.0019	0.00054	ND		0.0019	0.00056	ND		0.0021	0.00061	ND		0.0019	0.00056	ND		0.0019	0.00055	ND		0.0024	0.00069	ND		0.0019	0.00055	ND		0.002	0.0006
Carbon disulfide		ND		0.0094	0.0043	ND		0.0096	0.0044	ND		0.01	0.0048	ND		0.0096	0.0044	ND		0.0094	0.0043	ND		0.012	0.0054	ND		0.0094	0.0043	ND		0.01	0.0047
Carbon tetrachloride	0.76	ND		0.00094	0.00022	ND		0.00096	0.00022	ND		0.001	0.00024	ND		0.00096	0.00022	ND		0.00094	0.00022	ND		0.0012	0.00027	ND		0.00094	0.00022	ND		0.001	0.00024
Chlorobenzene	1.1	ND		0.00047	0.00012	ND		0.00048	0.00012	ND		0.00052	0.00013	ND		0.00048	0.00012	ND		0.00047	0.00012	ND		0.0006	0.00015	ND		0.00047	0.00012	ND		0.00051	0.00013
Chloroethane		ND		0.0019	0.00042	ND		0.0019	0.00043	ND		0.0021	0.00048	ND		0.0019	0.00043	ND		0.0019	0.00042	ND		0.0024	0.00054	ND		0.0019	0.00043	ND		0.002	0.00046
Chloroform	0.37	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0016	0.00015	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0018	0.00017	ND		0.0014	0.00013	ND		0.0015	0.00014
Chloromethane		ND		0.0038	0.00087	ND		0.0038	0.0009	ND		0.0042	0.00098	ND		0.0038	0.00089	ND		0.0038	0.00088	ND		0.0048	0.0011	ND		0.0038	0.00088	ND		0.0041	0.00096
cis-1,2-Dichloroethene	0.25	ND		0.00094	0.00016	ND		0.00096	0.00017	ND		0.001	0.00018	ND		0.00096	0.00017	ND		0.00094	0.00016	ND		0.0012	0.00021	ND		0.00094	0.00016	ND		0.001	0.00018
cis-1,3-Dichloropropene		ND		0.00047	0.00015	ND		0.00048	0.00015	ND		0.00052	0.00017	ND		0.00048	0.00015	ND		0.00047	0.00015	ND		0.0006	0.00019	ND		0.00047	0.00015	ND		0.00051	0.00016
Dibromochloromethane		ND		0.00094	0.00013	ND		0.00096	0.00013	ND		0.001	0.00015	ND		0.00096	0.00013	ND		0.00094	0.00013	ND		0.0012	0.00017	ND		0.00094	0.00013	ND		0.001	0.00014
Dibromomethane		ND		0.0019	0.00022	ND		0.0019	0.00023	ND		0.0021	0.00025	ND		0.0019	0.00023	ND		0.0019	0.00022	ND		0.0024	0.00028	ND		0.0019	0.00022	ND		0.002	0.00024
Dichlorodifluoromethane		ND		0.0094	0.00086	ND		0.0096	0.00088	ND		0.01	0.00096	ND		0.0096	0.00088	ND		0.0094	0.00086	ND		0.012	0.0011	ND		0.0094	0.00086	ND		0.01	0.00094
Ethyl ether		ND		0.0019	0.00032	ND		0.0019	0.00033	ND		0.0021	0.00036	ND		0.0019	0.00033	ND		0.0019	0.00032	ND		0.0024	0.0004	ND		0.0019	0.00032	ND		0.002	0.00035
Ethylbenzene	1	ND		0.00094	0.00013	ND		0.00096	0.00014	ND		0.001	0.00015	ND		0.00096	0.00013	ND		0.00094	0.00013	ND		0.0012	0.00017	ND		0.00094	0.00013	ND		0.001	0.00014
Hexachlorobutadiene		ND		0.0038	0.00016	ND		0.0038	0.00016	ND		0.0042	0.00018	ND		0.0038	0.00016	ND		0.0038	0.00016	ND		0.0048	0.0002	ND		0.0038	0.00016	ND		0.0041	0.00017
Isopropylbenzene		ND		0.00094	0.0001	ND		0.00096	0.0001	ND		0.001	0.00011	ND		0.00096	0.0001	ND		0.00094	0.0001	ND		0.0012	0.00013	ND		0.00094	0.0001	ND		0.001	0.00011
Methyl tert butyl ether	0.93	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0021	0.00021	ND		0.0019	0.00019	ND		0.0019	0.00019	ND		0.0024	0.00024	ND		0.0019	0.00019	ND		0.002	0.00021
Methylene chloride	0.05	ND		0.0047	0.0021	ND		0.0048	0.0022	ND		0.0052	0.0024	ND		0.0048	0.0022	ND		0.0047	0.0022	ND		0.006	0.0027	ND		0.0047	0.0022	ND		0.0051	0.0024
n-Butylbenzene	12	ND		0.00094	0.00016	ND		0.00096	0.00016	ND		0.001	0.00018	ND		0.00096	0.00016	ND		0.00094	0.00016	ND		0.0012	0.0002	ND		0.00094	0.00016	ND		0.001	0.00017
n-Propylbenzene	3.9	ND		0.00094	0.00016	ND		0.00096	0.00016	ND		0.001	0.00018	ND		0.00096	0.00016	ND		0.00094	0.00016	ND		0.0012	0.0002	ND		0.00094	0.00016	ND		0.001	0.00018
Naphthalene	12	ND		0.0038	0.00061	ND		0.0038	0.00062	ND		0.0042	0.00068	ND		0.0038	0.00062	ND		0.0038	0.00061	ND		0.0048	0.00077	ND		0.0038	0.00061	ND		0.0041	0.00067
o-Chlorotoluene		ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0021	0.0002	ND		0.0019	0.00018	ND		0.0019	0.00018	ND		0.0024	0.00023	ND		0.0019	0.00018	ND		0.002	0.0002
o-Xylene		ND		0.00094	0.00027	ND		0.00096	0.00028	ND		0.001	0.0003	ND		0.00096	0.00028	ND		0.00094	0.00027	ND		0.0012	0.00035	ND		0.00094	0.00028	ND		0.001	0.0003
p-Chlorotoluene		ND		0.0019	0.0001	ND		0.0019	0.0001	ND		0.0021	0.00011	ND		0.0019	0.0001	ND		0.0019	0.0001	ND		0.0024	0.00013	ND		0.0019	0.0001	ND		0.002	0.00011
p-Diethylbenzene		ND		0.0019	0.00017	ND		0.0019	0.00017	ND		0.0021	0.00019	ND		0.0019	0.00017	ND		0.0019	0.00017	ND		0.0024	0.00021	ND		0.0019	0.00017	ND		0.002	0.00018
p-Ethyltoluene		ND		0.0019	0.00036	ND		0.0019	0.00037	ND		0.0021	0.0004	ND		0.0019	0.00037	ND		0.0019	0.00036	ND		0.0024	0.00046	ND		0.0019	0.00036	ND		0.002	0.00039
p-Isopropyltoluene		ND		0.00094	0.0001	ND		0.00096	0.0001	ND		0.001	0.00011	ND		0.00096	0.0001	ND		0.00094	0.0001	ND		0.0012	0.00013	ND		0.00094	0.0001	ND		0.001	0.00011
p/m-Xylene		ND		0.0019	0.00052	ND		0.0019	0.00054	ND		0.0021	0.00059	ND		0.0019	0.00054	ND		0.0019	0.00053	ND		0.0024	0.00067	ND		0.0019	0.00053	ND		0.002	0.00058
sec-Butylbenzene	11	ND		0.00094	0.00014	ND		0.00096	0.00014	ND		0.001	0.00015	ND		0.00096	0.00014	ND		0.00094	0.00014	ND		0.0012	0.00017	ND		0.00094	0.00014	ND		0.001	0.00015
Styrene		ND		0.00094	0.00018	ND		0.00096	0.00019	ND		0.001	0.00021	ND		0.00096	0.00019	ND		0.00094	0.00018	ND		0.0012	0.00023	ND		0.00094	0.00018	ND		0.001	0.0002
tert-Butylbenzene	5.9	ND		0.0019	0.00011	ND		0.0019	0.00011	ND		0.0021	0.00012	ND		0.0019	0.00011	ND		0.0019	0.00011	ND		0.0024	0.00014	ND		0.0019	0.00011	ND		0.002	0.00012
Tetrachloroethene	1.3	ND		0.00047	0.00018	ND		0.00048	0.00019	ND		0.00052	0.00021	ND		0.00048	0.00019	ND		0.00047	0.00018	ND		0.0006	0.00023	ND		0.00047	0.00018	ND		0.00051	0.0002

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RI-SB-14								RI-SB-15								RI-SB-16								RI-SB-17				RI-S			
Client Sample ID:		RI-SB-14 (2-2.5)				RI-SB-14 (8.5-9)				RI-SB-15 (3.5-4)				RI-SB-15 (7.5-8)				RI-SB-16 (2-2.5)				RI-SB-16 (6.5-7)				RI-SB-17 (4.5-5)				RI-SB-18 (3-3.5)			
Lab Sample ID:		L2353059-06				L2353059-07				L2353059-08				L2353059-09				L2353482-01				L2353482-02				L2353482-03				L2353482-04			
Date Sampled:		9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/13/2023				9/13/2023				9/13/2023				9/13/2023			
Sample Depth (ft bgs):		2-2.5'				8.5-9'				3.5-4'				7.5-8'				2-2.5'				6.5-7'				4.5-5'				3-3.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Toluene	0.7	ND		0.00094	0.00051	ND		0.00096	0.00052	ND		0.001	0.00057	ND		0.00096	0.00052	ND		0.00094	0.00051	ND		0.0012	0.00065	ND		0.00094	0.00051	ND		0.001	0.00056
trans-1,2-Dichloroethene	0.19	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0016	0.00014	ND		0.0014	0.00013	ND		0.0014	0.00013	ND		0.0018	0.00016	ND		0.0014	0.00013	ND		0.0015	0.00014
trans-1,3-Dichloropropene		ND		0.00094	0.00026	ND		0.00096	0.00026	ND		0.001	0.00029	ND		0.00096	0.00026	ND		0.00094	0.00026	ND		0.0012	0.00032	ND		0.00094	0.00026	ND		0.001	0.00028
trans-1,4-Dichloro-2-butene		ND		0.0047	0.0013	ND		0.0048	0.0014	ND		0.0052	0.0015	ND		0.0048	0.0014	ND		0.0047	0.0013	ND		0.006	0.0017	ND		0.0047	0.0013	ND		0.0051	0.0015
Trichloroethene	0.47	ND		0.00047	0.00013	ND		0.00048	0.00013	ND		0.00052	0.00014	ND		0.00048	0.00013	ND		0.00047	0.00013	ND		0.0006	0.00016	ND		0.00047	0.00013	ND		0.00051	0.00014
Trichlorofluoromethane		ND		0.0038	0.00065	ND		0.0038	0.00067	ND		0.0042	0.00073	ND		0.0038	0.00066	ND		0.0038	0.00065	ND		0.0048	0.00083	ND		0.0038	0.00066	ND		0.0041	0.00071
Vinyl acetate		ND		0.0094	0.002	ND		0.0096	0.0021	ND		0.01	0.0022	ND		0.0096	0.002	ND		0.0094	0.002	ND		0.012	0.0026	ND		0.0094	0.002	ND		0.01	0.0022
Vinyl chloride	0.02	ND		0.00094	0.00031	ND		0.00096	0.00032	ND		0.001	0.00035	ND		0.00096	0.00032	ND		0.00094	0.00032	ND		0.0012	0.0004	ND		0.00094	0.00032	ND		0.001	0.00034
Xylenes, Total	0.26	ND		0.00094	0.00027	ND		0.00096	0.00028	ND		0.001	0.0003	ND		0.00096	0.00028	ND		0.00094	0.00027	ND		0.0012	0.00035	ND		0.00094	0.00028	ND		0.001	0.0003
Total VOCs		0.011	-	-	-	-	-	-	-	0.0097	-	-	-	0.024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Volatile Organic Compounds - TIC (mg/kg)																																	
1-Propene, 2-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butane, 2-Methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclohexane, methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclopentane, Methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cyclotrisiloxane, Hexamethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Decane, 4-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptane																																	
Heptane, 2-methyl-																																	
Heptane, 3-methyl-																																	
Hexane, 2,2,4-trimethyl-																																	
Hexane, 2,5-dimethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane, 2-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Hexane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
No Tentatively Identified Compounds		-		-	-	-		-	-	-		-	-	ND		0	0	ND		0	0	ND		0	0	ND		0	0	ND		0	0
Nonane (C9)																																	
Nonane, 4-methyl-																																	
Octane																																	
Octane, 2,6-dimethyl-																																	
Octane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2,3,3-trimethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2,3,4-trimethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2,3-dimethyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 2-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pentane, 3-methyl-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-		-	-	-		-	-	0.00253	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		0.00225	J	0	0	0.00261	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		0.00212	J	0	0	0.00211	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane																																	
Unknown Alkane																																	
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane																																	
Unknown Aromatic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Aromatic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Aromatic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																																	
Unknown Benzene																																	
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																																	
Unknown Benzene																																	
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Cycloalkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Cyclohexane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds		0.00437	J	0	0	0.00472	J	0	0	0.00253	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perfluorinated Alkyl Acids (ug/kg)																																	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		ND		0.000531	0.000305	ND		0.000552	0.000317	ND		0.000545	0.000313	ND		0.000551	0.000316	ND		0.00055	0.000316	ND		0.000545	0.000313	ND		0.000537	0.000308	ND		0.000541	0.00031
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		ND		0.000531	0.00019	ND		0.000552	0.000198	ND		0.000545	0.000196	ND		0.000551	0.000198	ND		0.00055	0.000197	ND		0.000545	0.000196	ND		0.000537	0.000193	ND		0.000541	0.000194

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-14								RI-SB-15								RI-SB-16								RI-SB-17				RI-S			
Client Sample ID:		RI-SB-14 (2-2.5)				RI-SB-14 (8.5-9)				RI-SB-15 (3.5-4)				RI-SB-15 (7.5-8)				RI-SB-16 (2-2.5)				RI-SB-16 (6.5-7)				RI-SB-17 (4.5-5)				RI-SB-18 (3-3.5)			
Lab Sample ID:		L2353059-06				L2353059-07				L2353059-08				L2353059-09				L2353482-01				L2353482-02				L2353482-03				L2353482-04			
Date Sampled:	USCO	9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/13/2023				9/13/2023				9/13/2023				9/13/2023			
Sample Depth (ft bgs):		2-2.5'				8.5-9'				3.5-4'				7.5-8'				2-2.5'				6.5-7'				4.5-5'				3-3.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		ND		0.000531	0.00009	ND		0.000552	0.000093	ND		0.000545	0.000092	ND		0.000551	0.000093	ND		0.00055	0.000093	ND		0.000545	0.000092	ND		0.000537	0.000091	ND		0.000541	0.000091
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		ND		0.000531	0.000214	ND		0.000552	0.000223	ND		0.000545	0.00022	ND		0.000551	0.000222	ND		0.00055	0.000222	ND		0.000545	0.000219	ND		0.000537	0.000216	ND		0.000541	0.000218
Perfluorobutanesulfonic Acid (PFBS)		ND		0.000265	0.000041	ND		0.000276	0.000043	ND		0.000272	0.000043	ND		0.000275	0.000043	ND		0.000275	0.000043	ND		0.000272	0.000043	ND		0.000268	0.000042	ND		0.00027	0.000042
Perfluorobutanoic Acid (PFBA)		ND		0.000531	0.000024	ND		0.000552	0.000025	ND		0.000545	0.000025	ND		0.000551	0.000025	ND		0.00055	0.000025	ND		0.000545	0.000025	ND		0.000537	0.000024	ND		0.000541	0.000025
Perfluorodecanesulfonic Acid (PFDS)		ND		0.000531	0.000162	ND		0.000552	0.000169	ND		0.000545	0.000167	ND		0.000551	0.000168	ND		0.00055	0.000168	ND		0.000545	0.000167	ND		0.000537	0.000164	ND		0.000541	0.000165
Perfluorodecanoic Acid (PFDA)		ND		0.000265	0.000071	ND		0.000276	0.000074	ND		0.000272	0.000073	ND		0.000275	0.000074	ND		0.000275	0.000074	ND		0.000272	0.000073	ND		0.000268	0.000072	ND		0.00027	0.000073
Perfluorododecanoic Acid (PFDoA)		ND		0.000531	0.000074	ND		0.000552	0.000077	ND		0.000545	0.000076	ND		0.000551	0.000077	ND		0.00055	0.000077	ND		0.000545	0.000076	ND		0.000537	0.000075	ND		0.000541	0.000076
Perfluoroheptanesulfonic Acid (PFHpS)		ND		0.000531	0.000145	ND		0.000552	0.000151	ND		0.000545	0.000149	ND		0.000551	0.00015	ND		0.00055	0.00015	ND		0.000545	0.000149	ND		0.000537	0.000146	ND		0.000541	0.000148
Perfluoroheptanoic Acid (PFHpA)		ND		0.000265	0.000048	ND		0.000276	0.00005	ND		0.000272	0.000049	ND		0.000275	0.00005	ND		0.000275	0.00005	ND		0.000272	0.000049	ND		0.000268	0.000048	ND		0.00027	0.000049
Perfluorohexanesulfonic Acid (PFHxS)		ND		0.000265	0.000064	ND		0.000276	0.000067	ND		0.000272	0.000066	ND		0.000275	0.000067	ND		0.000275	0.000067	ND		0.000272	0.000066	ND		0.000268	0.000065	ND		0.00027	0.000065
Perfluorohexanoic Acid (PFHxA)		ND		0.000531	0.000056	ND		0.000552	0.000058	ND		0.000545	0.000057	ND		0.000551	0.000058	ND		0.00055	0.000058	ND		0.000545	0.000057	ND		0.000537	0.000056	ND		0.000541	0.000057
Perfluorononanoic Acid (PFNA)		ND		0.000265	0.00008	ND		0.000276	0.000083	ND		0.000272	0.000082	ND		0.000275	0.000083	ND		0.000275	0.000083	ND		0.000272	0.000082	ND		0.000268	0.000081	ND		0.00027	0.000081
Perfluorooctanesulfonamide (FOSA)		ND		0.000531	0.000104	ND		0.000552	0.000108	ND		0.000545	0.000107	ND		0.000551	0.000108	ND		0.00055	0.000108	ND		0.000545	0.000107	ND		0.000537	0.000105	ND		0.000541	0.000106
Perfluorooctanesulfonic Acid (PFOS)	0.88	ND		0.000265	0.000138	ND		0.000276	0.000144	ND		0.000272	0.000142	ND		0.000275	0.000143	ND		0.000275	0.000143	ND		0.000272	0.000142	ND		0.000268	0.00014	ND		0.00027	0.000141
Perfluorooctanoic Acid (PFOA)	0.66	ND		0.000265	0.000045	ND		0.000276	0.000046	ND		0.000272	0.000046	ND		0.000275	0.000046	ND		0.000275	0.000046	ND		0.000272	0.000046	ND		0.000268	0.000045	ND		0.00027	0.000045
Perfluoropentanoic Acid (PFPeA)		ND		0.000531	0.000049	ND		0.000552	0.000051	ND		0.000545	0.00005	ND		0.000551	0.000051	ND		0.00055	0.000051	ND		0.000545	0.00005	ND		0.000537	0.000049	ND		0.000541	0.00005
Perfluorotetradecanoic Acid (PFTA)		ND		0.000531	0.000057	ND		0.000552	0.00006	ND		0.000545	0.000059	ND		0.000551	0.00006	ND		0.00055	0.000059	ND		0.000545	0.000059	ND		0.000537	0.000058	ND		0.000541	0.000058
Perfluorotridecanoic Acid (PFTrDA)		ND		0.000531	0.000217	ND		0.000552	0.000226	ND		0.000545	0.000223	ND		0.000551	0.000225	ND		0.00055	0.000225	ND		0.000545	0.000223	ND		0.000537	0.00022	ND		0.000541	0.000221
Perfluoroundecanoic Acid (PFUnA)		ND		0.000531	0.00005	ND		0.000552	0.000052	ND		0.000545	0.000051	ND		0.000551	0.000052	ND		0.00055	0.000052	ND		0.000545	0.000051	ND		0.000537	0.00005	ND		0.000541	0.000051
PFOA/PFOS, Total		ND		0.000265	0.000045	ND		0.000276	0.000046	ND		0.000272	0.000046	ND		0.000275	0.000046	ND		0.000275	0.000046	ND		0.000272	0.000046	ND		0.000268	0.000045	ND		0.00027	0.000045
Semi-Volatile Organic Compounds (mg/kg)																																	
1,2,4,5-Tetrachlorobenzene		ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.19	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019
1,2,4-Trichlorobenzene		ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.021	ND		0.19	0.021	ND		0.18	0.021	ND		0.18	0.02	ND		0.18	0.02	ND		0.18	0.021
1,2-Dichlorobenzene	1.1	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.032	ND		0.19	0.033	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.033
1,3-Dichlorobenzene	2.4	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.19	0.032	ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.031	ND		0.18	0.031
1,4-Dichlorobenzene	1.8	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.032	ND		0.19	0.032	ND		0.18	0.032	ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.032
1,4-Dioxane	0.1	ND		0.027	0.0082	ND		0.027	0.0083	ND		0.027	0.0083	ND		0.028	0.0086	ND		0.027	0.0084	ND		0.027	0.0082	ND		0.027	0.0082	ND		0.027	0.0084
2,4,5-Trichlorophenol		ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.036	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035
2,4,6-Trichlorophenol		ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.034	ND		0.11	0.034	ND		0.11	0.034
2,4-Dichlorophenol		ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.17	0.03	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029	ND		0.16	0.029
2,4-Dimethylphenol		ND		0.18	0.059	ND		0.18	0.059	ND		0.18	0.06	ND		0.19	0.061	ND		0.18	0.06	ND		0.18	0.059	ND		0.18	0.059	ND		0.18	0.06
2,4-Dinitrophenol		ND		0.86	0.083	ND		0.86	0.084	ND		0.87	0.084	ND		0.89	0.087	ND		0.88	0.085	ND		0.85	0.083	ND		0.86	0.083	ND		0.87	0.085
2,4-Dinitrotoluene		ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.036	ND		0.19	0.037	ND		0.18	0.037	ND		0.18	0.036	ND		0.18	0.036	ND		0.18	0.036
2,6-Dinitrotoluene		ND		0.18	0.031	ND		0.18	0.031	ND		0.18	0.031	ND		0.19	0.032	ND		0.18	0.031	ND		0.18	0.03	ND		0.18	0.031	ND		0.18	0.031
2-Chloronaphthalene		ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.19	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018	ND		0.18	0.018
2-Chlorophenol		ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.021	ND		0.19	0.022	ND		0.18	0.022	ND		0.18	0.021	ND		0.18	0.021	ND		0.18	0.022
2-Methylnaphthalene		ND		0.21	0.022	ND		0.22	0.022	ND		0.22	0.022	ND		0.22	0.022	ND		0.22	0.022	ND		0.21	0.021	ND		0.21	0.022	ND		0.22	0.022
2-Methylphenol	0.33	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.19	0.029	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028
2-Nitroaniline		ND		0.18	0.034	ND		0.18	0.035	ND		0.18	0.035	ND		0.19	0.036	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.035
2-Nitrophenol		ND		0.39	0.067	ND		0.39	0.068	ND		0.39	0.068	ND		0.4	0.07	ND		0.4	0.069	ND		0.38	0.067	ND		0.38	0.067	ND		0.39	0.068
3,3'-Dichlorobenzidine		ND		0.18	0.048	ND		0.18	0.048	ND		0.18	0.048	ND		0.19	0.05	ND		0.18	0.049	ND		0.18	0.047	ND		0.18	0.047	ND		0.18	0.048
3-Methylphenol/4-Methylphenol	0.33	ND		0.26	0.028	ND		0.26	0.028	ND		0.26	0.028	ND		0.27	0.029	ND		0.26	0.029	ND		0.26	0.028	ND		0.26	0.028	ND		0.26	0.028
3-Nitroaniline		ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034
4,6-Dinitro-o-cresol		ND		0.46	0.086	ND		0.47	0.086	ND		0.47	0.087	ND		0.48	0.089	ND		0.48	0.088	ND		0.46	0.085	ND		0.46	0.086	ND		0.47	0.087
4-Bromophenyl phenyl ether		ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.028	ND		0.19	0.028	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.028
4-Chloroaniline		ND		0.18	0.032	ND		0.18	0.033	ND		0.18	0.033	ND		0.19	0.034	ND		0.18	0.033	ND		0.18	0.032	ND		0.18	0.032	ND		0.18	0.033
4-Chlorophenyl phenyl ether		ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019	ND		0.19	0.02	ND		0.18	0.02	ND		0.18	0.019	ND		0.18	0.019	ND		0.18	0.019
4-Nitroaniline		ND		0.18	0.074	ND		0.18	0.074	ND		0.18	0.075	ND		0.19	0.077	ND		0.18	0.076	ND		0.18	0.074	ND		0.18	0.074	ND		0.18	0.075
4-Nitrophenol		ND		0.25	0.073	ND		0.25	0.073	ND		0.25	0.074	ND		0.26	0.076	ND		0.26	0.075	ND		0.25	0.072	ND		0.25	0.073	ND		0.25	0.074
Acenaphthene	20	ND		0.14	0.018	ND		0.14	0.019	ND		0.14	0.019	ND		0.15	0.019	ND		0.15	0.019	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.019
Acenaphthylene	100	ND		0.14	0.028	ND		0.14	0.028	ND		0.14	0.028	ND		0.15	0.029	ND		0.15	0.028	ND		0.14	0.027	ND		0.14	0.028	ND		0.14	0.028
Acetophenone		ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.19	0.023	ND		0.18	0.023	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022
Anthracene	100	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.036	ND		0.11	0.036	ND		0.11	0.035	ND		0.11	0.035	ND		0.11	0.035
Benzo(a)anthracene	1	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	0.025	J	0.11	0.021	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02
Benzo(a)pyrene	1	ND		0.14	0.044	ND		0.14	0.044	ND		0.14	0.044	ND		0.15	0.045	ND		0.15	0.045	ND		0.14	0.043	ND		0.14	0.044	ND		0.14	0.044
Benzo(b)fluoranthene	1	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.031	ND		0.11	0.031	ND		0.11	0.03	ND		0.11	0.03	ND		0.11	0.031
Benzo(ghi)perylene	100	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021	ND		0.15	0.022	ND		0.15	0.022	ND		0.14	0.021	ND		0.14	0.021	ND		0.14	0.021
Benzo(k)fluoranthene	0.8	ND		0.11	0.029	ND		0.11	0.029	ND		0.11	0.029	ND		0.11	0.03	ND		0.11	0.029	ND		0.11	0.028	ND		0.11	0.028	ND		0.11	0.029
Benzoic Acid		ND		0.58	0.18	ND		0.58	0.18	ND		0.58	0.18	ND		0.6	0.19	ND		0.59	0.18	ND		0.58	0.18	ND		0.58	0.18	ND		0.59	0.18
Benzyl Alcohol		ND		0.18	0.055	ND		0.18	0.055	ND		0.18	0.055	ND		0.19	0.057	ND		0.18	0.056	ND		0.18	0.054	ND		0.18	0.054	ND		0.18	0.056
Biphenyl		ND		0.41	0.023	ND		0.41	0.023	ND		0.41	0.023	ND		0.42	0.024	ND		0.42	0.024	ND		0.4	0.023	ND		0.41	0.023	ND		0.42	0.024
Bis(2-chloroethoxy)methane		ND		0.19	0.018	ND		0.19	0.018	ND		0.2	0.018	ND		0.2	0.019	ND		0.2	0.018	ND		0.19	0.018	ND		0.19	0.018	ND		0.2	0.018
Bis(2-chloroethyl)ether		ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.024	ND		0.17	0.025	ND		0.16	0.025	ND		0.16	0.024	ND		0.16	0.024	ND		0.16	0.025
Bis(2-chloroisopropyl)ether		ND		0.21	0.03	ND		0.22	0.031	ND		0.22	0.031	ND		0.22	0.032	ND		0.22	0.031	ND		0.21	0.03	ND		0.21	0.03	ND		0.22	0.031
Bis(2-ethylhexyl)phthalate		ND		0.18	0.062	ND		0.18	0.062	ND		0.18	0.062	ND		0.19	0.064	0.16	J	0.18	0.063	ND		0.18	0.062	ND		0.18	0.062	0.12	J	0.18	0.063
Butyl benzyl phthalate		ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.046	ND		0.19	0.047	ND		0.18	0.046	ND		0.18	0.045	ND		0.18	0.045	ND		0.18	0.046
Carbazole		ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.19	0.018	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018
Chrysene	1	ND		0.11	0.019	ND		0.11	0.019	ND		0.11	0.019	0.023	J	0.11	0.019	ND		0.11	0.019	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.019
Di-n-butylphthalate		ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034	ND		0.19	0.035	ND		0.18	0.035	ND		0.18	0.034	ND		0.18	0.034	ND		0.18	0.034

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	RI-SB-14								RI-SB-15							
Client Sample ID:		RI-SB-14 (2-2.5)				RI-SB-14 (8.5-9)				RI-SB-15 (3.5-4)				RI-SB-15 (7.5-8)			
Lab Sample ID:		L2353059-06				L2353059-07				L2353059-08				L2353059-09			
Date Sampled:		9/12/2023				9/12/2023				9/12/2023				9/12/2023			
Sample Depth (ft bgs):		2-2.5'				8.5-9'				3.5-4'				7.5-8'			
Matrix:		SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate		ND		0.18	0.061	ND		0.18	0.061	ND		0.18	0.061	ND		0.19	0.063
Dibenzo(a,h)anthracene	0.33	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.021	ND		0.11	0.022
Dibenzofuran	7	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.19	0.018
Diethyl phthalate		ND		0.18	0.016	ND		0.18	0.017	ND		0.18	0.017	ND		0.19	0.017
Dimethyl phthalate		ND		0.18	0.038	ND		0.18	0.038	ND		0.18	0.038	ND		0.19	0.039
Fluoranthene	100	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.021	0.042	J	0.11	0.021
Fluorene	30	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018	ND		0.19	0.018
Hexachlorobenzene	0.33	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021
Hexachlorobutadiene		ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.026	ND		0.19	0.027
Hexachlorocyclopentadiene		ND		0.51	0.16	ND		0.51	0.16	ND		0.52	0.16	ND		0.53	0.17
Hexachloroethane		ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.029	ND		0.15	0.03
Indeno(1,2,3-cd)pyrene	0.5	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025	ND		0.15	0.026
Isophorone		ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.023	ND		0.17	0.024
n-Nitrosodi-n-propylamine		ND		0.18	0.028	ND		0.18	0.028	ND		0.18	0.028	ND		0.19	0.029
Naphthalene	12	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.19	0.023
NDPA/DPA		ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02	ND		0.15	0.021
Nitrobenzene		ND		0.16	0.026	ND		0.16	0.027	ND		0.16	0.027	ND		0.17	0.028
p-Chloro-m-cresol		ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.19	0.028
Pentachlorophenol	0.8	ND		0.14	0.039	ND		0.14	0.04	ND		0.14	0.04	ND		0.15	0.041
Phenanthrene	100	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.023
Phenol	0.33	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027	ND		0.19	0.028
Pyrene	100	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	0.039	J	0.11	0.018
Total SVOCs		-	-	-	-	-	-	-	-	-	-	-	-	0.129	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																	
Benzene, Propyl-																	
Indane																	
No Tentatively Identified Compounds		ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene																	
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown																	
Unknown		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																	
Unknown Benzene																	
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																	
Unknown Benzene																	
Unknown Benzene																	
Unknown Benzene																	
Unknown Benzene																	
Unknown Indene		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides (mg/kg)																	
4,4'-DDD	0.0033	ND		0.00172	0.000613	ND		0.00173	0.000618	ND		0.00169	0.000604	ND		0.00178	0.000636
4,4'-DDE	0.0033	0.00041	J	0.00172	0.000398	ND		0.00173	0.000401	ND		0.00169	0.000392	0.000414	J	0.00178	0.000412
4,4'-DDT	0.0033	ND		0.00172	0.00138	ND		0.00173	0.00139	ND		0.00169	0.00136	ND		0.00178	0.00143
Aldrin	0.005	ND		0.00172	0.000605	ND		0.00173	0.00061	ND		0.00169	0.000597	ND		0.00178	0.000628
Alpha-BHC	0.02	ND		0.000716	0.000203	ND		0.000722	0.000205	ND		0.000706	0.0002	ND		0.000743	0.000211
Beta-BHC	0.036	ND		0.00172	0.000652	ND		0.00173	0.000657	ND		0.00169	0.000643	ND		0.00178	0.000676
Chlordane		ND		0.0143	0.0057	ND		0.0144	0.00574	ND		0.0141	0.00561	ND		0.0149	0.00591
cis-Chlordane	0.094	ND		0.00215	0.000599	ND		0.00217	0.000604	ND		0.00212	0.00059	ND		0.00223	0.000621
Delta-BHC	0.04	ND		0.00172	0.000337	ND		0.00173	0.000339	ND		0.00169	0.000332	ND		0.00178	0.000349
Dieldrin	0.005	ND		0.00107	0.000537	ND		0.00108	0.000542	ND		0.00106	0.00053	ND		0.00112	0.000558
Endosulfan I	2.4	ND		0.00172	0.000406	ND		0.00173	0.000409	ND		0.00169	0.0004	ND		0.00178	0.000422
Endosulfan II	2.4	ND		0.00172	0.000575	ND		0.00173	0.000579	ND		0.00169	0.000566	ND		0.00178	0.000596
Endosulfan sulfate	2.4	ND		0.000716	0.000341	ND		0.000722	0.000344	ND		0.000706	0.000336	ND		0.000743	0.000354
Endrin	0.014	ND		0.000716	0.000294	ND		0.000722	0.000296	ND		0.000706	0.00029	ND		0.000743	0.000305

Boring ID:	RI-SB-16								RI-SB-17				RI-S			
Client Sample ID:	RI-SB-16 (2-2.5)				RI-SB-16 (6.5-7)				RI-SB-17 (4.5-5)				RI-SB-18 (3-3.5)			
Lab Sample ID:	L2353482-01				L2353482-02				L2353482-03				L2353482-04			
Date Sampled:	9/13/2023				9/13/2023				9/13/2023				9/13/2023			
Sample Depth (ft bgs):	2-2.5'				6.5-7'				4.5-5'				3-3.5'			
Matrix:	SOIL				SOIL				SOIL				SOIL			
	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Di-n-octylphthalate	ND		0.18	0.062	ND		0.18	0.06	ND		0.18	0.061	ND		0.18	0.062
Dibenzo(a,h)anthracene	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.021	ND		0.11	0.021
Dibenzofuran	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.017
Diethyl phthalate	ND		0.18	0.017	ND		0.18	0.016	ND		0.18	0.016	ND		0.18	0.017
Dimethyl phthalate	ND		0.18	0.038	ND		0.18	0.037	ND		0.18	0.037	ND		0.18	0.038
Fluoranthene	ND		0.11	0.021	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.021
Fluorene	ND		0.18	0.018	ND		0.18	0.017	ND		0.18	0.017	ND		0.18	0.018
Hexachlorobenzene	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02	ND		0.11	0.02
Hexachlorobutadiene	ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.027
Hexachlorocyclopentadiene	ND		0.52	0.16	ND		0.51	0.16	ND		0.51	0.16	ND		0.52	0.16
Hexachloroethane	ND		0.15	0.03	ND		0.14	0.029	ND		0.14	0.029	ND		0.14	0.029
Indeno(1,2,3-cd)pyrene	ND		0.15	0.026	ND		0.14	0.025	ND		0.14	0.025	ND		0.14	0.025
Isophorone	ND		0.16	0.024	ND		0.16	0.023	ND		0.16	0.023	ND		0.16	0.024
n-Nitrosodi-n-propylamine	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.028	ND		0.18	0.028
Naphthalene	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022	ND		0.18	0.022
NDPA/DPA	ND		0.15	0.021	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.021
Nitrobenzene	ND		0.16	0.027	ND		0.16	0.026	ND		0.16	0.026	ND		0.16	0.027
p-Chloro-m-cresol	ND		0.18	0.027	ND		0.18	0.026	ND		0.18	0.026	ND		0.18	0.027
Pentachlorophenol	ND		0.15	0.04	ND		0.14	0.039	ND		0.14	0.039	ND		0.14	0.04
Phenanthrene	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022	ND		0.11	0.022
Phenol	ND		0.18	0.028	ND		0.18	0.027	ND		0.18	0.027	ND		0.18	0.027
Pyrene	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018	ND		0.11	0.018
Total SVOCs	0.16	-	-	-	-	-	-	-	-	-	-	-	0.12	-	-	-
Semi-Volatile Organic Compounds (mg/kg)																
Benzene, Propyl-																
Indane																
No Tentatively Identified Compounds	ND		0	0	ND		0	0	ND		0	0	ND		0	0
Toluene																
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown																
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																
Unknown Benzene																
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene																
Unknown Benzene																
Unknown Benzene																
Unknown Benzene																
Unknown Benzene																
Unknown Indene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pesticides (mg/kg)																
4,4'-DDD	ND		0.00171	0.000611	ND		0.00167	0.000596	ND		0.00171	0.000611	ND		0.00174	0.000621
4,4'-DDE	ND		0.00171	0.000396	ND		0.00167	0.000386	ND		0.00171	0.000396	ND		0.00174	0.000402
4,4'-DDT	ND		0.00171	0.00138	ND		0.00167	0.00134	ND		0.00171	0.00138	ND		0.00174	0.0014
Aldrin	ND		0.00171	0.000603	ND		0.00167	0.000588	ND		0.00171	0.000603	ND		0.00174	0.000613
Alpha-BHC	ND		0.000714	0.000203	ND		0.000696	0.000198	ND		0.000714	0.000203	ND		0.000725	0.000206
Beta-BHC	ND		0.00171	0.00065	ND		0.00167	0.000634	ND		0.00171	0.00065	ND		0.00174	0.00066
Chlordane	ND		0.0143	0.00567	ND		0.0139	0.00554	ND		0.0143	0.00568	ND		0.0145	0.00576
cis-Chlordane	ND		0.00214	0.000597	ND		0.00209	0.000582	ND		0.00214	0.000597	ND		0.00218	0.000606
Delta-BHC	ND		0.00171	0.000335	ND		0.00167	0.000327	ND		0.00171	0.000336	ND		0.00174	0.000341
Dieldrin	ND		0.00107	0.000535	ND		0.00104	0.000522	ND		0.00107	0.000536	ND		0.00109	0.000544
Endosulfan I	ND		0.00171	0.000405	ND		0.00167	0.000395	ND		0.00171	0.000405	ND		0.00174	0.000411
Endosulfan II	ND		0.00171	0.000572	ND		0.00167	0.000558	ND		0.00171	0.000573	ND		0.00174	0.000582
Endosulfan sulfate	ND		0.000714	0.00034	ND		0.000696	0.000331	ND		0.000714	0.00034	ND		0.000725	0.000345
Endrin	ND		0.000714	0.000293	ND		0.000696	0.000285	ND		0.000714	0.000293	ND		0.000725	0.000297

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:		RI-SB-14								RI-SB-15								RI-SB-16								RI-SB-17				RI-S			
Client Sample ID:		RI-SB-14 (2-2.5)				RI-SB-14 (8.5-9)				RI-SB-15 (3.5-4)				RI-SB-15 (7.5-8)				RI-SB-16 (2-2.5)				RI-SB-16 (6.5-7)				RI-SB-17 (4.5-5)				RI-SB-18 (3-3.5)			
Lab Sample ID:		L2353059-06				L2353059-07				L2353059-08				L2353059-09				L2353482-01				L2353482-02				L2353482-03				L2353482-04			
Date Sampled:	USCO	9/12/2023				9/12/2023				9/12/2023				9/12/2023				9/13/2023				9/13/2023				9/13/2023				9/13/2023			
Sample Depth (ft bgs):		2-2.5'				8.5-9'				3.5-4'				7.5-8'				2-2.5'				6.5-7'				4.5-5'				3-3.5'			
Matrix:		SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Endrin aldehyde		ND		0.00215	0.000752	ND		0.00217	0.000758	ND		0.00212	0.000741	ND		0.00223	0.00078	ND		0.00214	0.000749	ND		0.00209	0.000731	ND		0.00214	0.00075	ND		0.00218	0.000761
Endrin ketone		ND		0.00172	0.000443	ND		0.00173	0.000446	ND		0.00169	0.000436	ND		0.00178	0.000459	ND		0.00171	0.000441	0.00046	JIP	0.00167	0.00043	ND		0.00171	0.000441	ND		0.00174	0.000448
Heptachlor	0.042	ND		0.00086	0.000385	ND		0.000867	0.000388	ND		0.000847	0.00038	ND		0.000892	0.0004	ND		0.000856	0.000384	ND		0.000836	0.000374	ND		0.000857	0.000384	ND		0.00087	0.00039
Heptachlor epoxide		ND		0.00322	0.000967	ND		0.00325	0.000975	ND		0.00318	0.000953	ND		0.00334	0.001	ND		0.00321	0.000964	ND		0.00313	0.00094	ND		0.00321	0.000964	ND		0.00326	0.000979
Lindane	0.1	ND		0.000716	0.00032	ND		0.000722	0.000323	ND		0.000706	0.000316	ND		0.000743	0.000332	ND		0.000714	0.000319	ND		0.000696	0.000311	ND		0.000714	0.000319	ND		0.000725	0.000324
Methoxychlor		ND		0.00322	0.001	ND		0.00325	0.00101	ND		0.00318	0.000989	ND		0.00334	0.00104	ND		0.00321	0.000999	ND		0.00313	0.000975	ND		0.00321	0.001	ND		0.00326	0.00102
Toxaphene		ND		0.0322	0.00903	ND		0.0325	0.0091	ND		0.0318	0.0089	ND		0.0334	0.00937	ND		0.0321	0.00899	ND		0.0313	0.00877	ND		0.0321	0.009	ND		0.0326	0.00914
trans-Chlordane		ND		0.00215	0.000567	ND		0.00217	0.000572	ND		0.00212	0.000559	ND		0.00223	0.000589	ND		0.00214	0.000565	ND		0.00209	0.000551	ND		0.00214	0.000565	ND		0.00218	0.000574
Polychlorinated Biphenyls (mg/kg)																																	
Aroclor 1016	0.1	ND		0.0503	0.00446	ND		0.0533	0.00474	ND		0.0542	0.00481	ND		0.0549	0.00488	ND		0.053	0.00471	ND		0.0539	0.00479	ND		0.0547	0.00486	ND		0.0506	0.0045
Aroclor 1221	0.1	ND		0.0503	0.00504	ND		0.0533	0.00534	ND		0.0542	0.00543	ND		0.0549	0.0055	ND		0.053	0.00532	ND		0.0539	0.0054	ND		0.0547	0.00548	ND		0.0506	0.00507
Aroclor 1232	0.1	ND		0.0503	0.0106	ND		0.0533	0.0113	ND		0.0542	0.0115	ND		0.0549	0.0116	ND		0.053	0.0112	ND		0.0539	0.0114	ND		0.0547	0.0116	ND		0.0506	0.0107
Aroclor 1242	0.1	ND		0.0503	0.00678	ND		0.0533	0.00719	ND		0.0542	0.0073	ND		0.0549	0.0074	ND		0.053	0.00715	ND		0.0539	0.00727	ND		0.0547	0.00737	ND		0.0506	0.00682
Aroclor 1248	0.1	ND		0.0503	0.00754	ND		0.0533	0.008	ND		0.0542	0.00812	ND		0.0549	0.00824	ND		0.053	0.00796	ND		0.0539	0.00809	ND		0.0547	0.00821	ND		0.0506	0.00759
Aroclor 1254	0.1	ND		0.0503	0.0055	ND		0.0533	0.00583	ND		0.0542	0.00593	ND		0.0549	0.00601	ND		0.053	0.0058	ND		0.0539	0.0059	ND		0.0547	0.00598	ND		0.0506	0.00554
Aroclor 1260	0.1	ND		0.0503	0.00929	ND		0.0533	0.00986	ND		0.0542	0.01	ND		0.0549	0.0101	ND		0.053	0.0098	ND		0.0539	0.00996	ND		0.0547	0.0101	ND		0.0506	0.00936
Aroclor 1262	0.1	ND		0.0503	0.00638	ND		0.0533	0.00677	ND		0.0542	0.00688	ND		0.0549	0.00697	ND		0.053	0.00674	ND		0.0539	0.00685	ND		0.0547	0.00695	ND		0.0506	0.00643
Aroclor 1268	0.1	ND		0.0503	0.00521	ND		0.0533	0.00552	ND		0.0542	0.00561	ND		0.0549	0.00569	ND		0.053	0.0055	ND		0.0539	0.00559	ND		0.0547	0.00567	ND		0.0506	0.00524
PCBs, Total	0.1	ND		0.0503	0.00446	ND		0.0533	0.00474	ND		0.0542	0.00481	ND		0.0549	0.00488	ND		0.053	0.00471	ND		0.0539	0.00479	ND		0.0547	0.00486	ND		0.0506	0.0045
Total Metals (mg/kg)																																	
Aluminum, Total		11000		8.41	2.27	12400		8.51	2.3	12200		8.39	2.26	12000		8.74	2.36	9700		8.68	2.34	10800		8.59	2.32	12700		8.42	2.27	9190		8.5	2.3
Antimony, Total		0.708	J	4.21	0.32	0.637	J	4.26	0.323	0.934	J	4.19	0.319	0.668	J	4.37	0.332	ND		4.34	0.33	ND		4.29	0.326	ND		4.21	0.32	ND		4.25	0.323
Arsenic, Total	13	2.04		0.841	0.175	2		0.851	0.177	1.91		0.839	0.174	2.32		0.874	0.182	1.01		0.868	0.18	0.528	J	0.859	0.179	0.599	J	0.842	0.175	1.98		0.85	0.177
Barium, Total	350	133		0.841	0.146	139		0.851	0.148	150		0.839	0.146	122		0.874	0.152	105		0.868	0.151	120		0.859	0.149	149		0.842	0.147	83.5		0.85	0.148
Beryllium, Total	7.2	0.167	J	0.421	0.028	0.25	J	0.426	0.028	0.164	J	0.419	0.028	0.178	J	0.437	0.029	0.652		0.434	0.029	0.708		0.429	0.028	0.856		0.421	0.028	0.607		0.425	0.028
Cadmium, Total	2.5	ND		0.841	0.082	ND		0.851	0.083	ND		0.839	0.082	ND		0.874	0.086	ND		0.868	0.085	ND		0.859	0.084	ND		0.842	0.083	ND		0.85	0.083
Calcium, Total		2870		8.41	2.94	10100		8.51	2.98	7810		8.39	2.94	4600		8.74	3.06	8320		8.68	3.04	39000		8.59	3	8980		8.42	2.95	7200		8.5	2.98
Chromium, Total		20.6		0.841	0.081	22.4		0.851	0.082	23.1		0.839	0.081	22		0.874	0.084	17.2		0.868	0.083	19.1		0.859	0.082	23.1		0.842	0.081	15.4		0.85	0.082
Cobalt, Total		9.41		1.68	0.14	10.7		1.7	0.141	10.2		1.68	0.139	9.82		1.75	0.145	7.7		1.74	0.144	9.18		1.72	0.142	10		1.68	0.14	8.36		1.7	0.141
Copper, Total	50	16		0.841	0.217	18.5		0.851	0.22	19.4		0.839	0.216	17.6		0.874	0.226	14.1		0.868	0.224	16.4		0.859	0.222	18		0.842	0.217	19.6		0.85	0.219
Iron, Total		20200		4.21	0.76	21600		4.26	0.769	22300		4.19	0.757	20600		4.37	0.79	16800		4.34	0.784	19000		4.29	0.775	21400		4.21	0.761	18400		4.25	0.768
Lead, Total	63	6.23		4.21	0.225	5.4		4.26	0.228	5.92		4.19	0.225	12.3		4.37	0.234	5.3		4.34	0.233	5.37		4.29	0.23	4.68		4.21	0.226	5.02		4.25	0.228
Magnesium, Total		5640		8.41	1.3	8660		8.51	1.31	8200		8.39	1.29	6260		8.74	1.35	6670		8.68	1.34	6940		8.59	1.32	7650		8.42	1.3	6820		8.5	1.31
Manganese, Total	1600	291		0.841	0.134	304		0.851	0.135	244		0.839	0.133	289		0.874	0.139	247		0.868	0.138	285		0.859	0.136	216		0.842	0.134	248		0.85	0.135
Mercury, Total	0.18	ND		0.072	0.047	ND		0.069	0.045	ND		0.069	0.045	ND		0.081	0.053	ND		0.072	0.047	ND		0.076	0.05	ND		0.078	0.051	ND		0.075	0.049
Nickel, Total	30	18.1		2.1	0.204	24.2		2.13	0.206	20.2		2.1	0.203	18.7		2.19	0.212	13.6		2.17	0.21	15.9		2.15	0.208	17.6		2.11	0.204	14.8		2.12	0.206
Potassium, Total		5040		210	12.1	6150		213	12.2	6270		210	12.1	5300		219	12.6	4450		217	12.5	5400		215	12.4	6710		211	12.1	3910		212	12.2
Selenium, Total	3.9	ND		1.68	0.217	ND		1.7	0.22	ND		1.68	0.216	ND		1.75	0.226	ND		1.74	0.224	ND		1.72	0.222	ND		1.68	0.217	ND		1.7	0.219
Silver, Total	2	ND		0.421	0.238	ND		0.426	0.241	ND		0.419	0.237	ND		0.437	0.247	ND		0.434	0.246	ND		0.429	0.243	ND		0.421	0.238	ND		0.425	0.241
Sodium, Total		104	J	168	2.65	120	J	170	2.68	119	J	168	2.64	121	J	175	2.75	106	J	174	2.73	100	J	172	2.7	106	J	168	2.65	86.1	J	170	2.68
Thallium, Total		1.09	J	1.68	0.265	1.56	J	1.7	0.268	1.54	J	1.68	0.264	1.28	J	1.75	0.275	ND		1.74	0.273	0.407	J	1.72	0.27	0.514	J	1.68	0.265	ND		1.7	0.268
Vanadium, Total		26.9		0.841	0.171	30.7		0.851	0.173	31.5		0.839	0.17	30.3		0.874	0.178	24.1		0.868	0.176	26		0.859	0.174	32.7		0.842	0.171	20.7		0.85	0.172
Zinc, Total	109	52.3		4.21	0.246	58.9		4.26	0.249	57.1		4.19	0.246	57.7		4.37	0.256	44.6		4.34	0.254	43.5		4.29	0.252	52.5		4.21	0.247	44.4		4.25	0.249
General Chemistry																																	
Cyanide, Total	27	0.23	J	1	0.21	ND		1.1	0.23	ND		1	0.22	ND		1.1	0.23	ND		1	0.22	ND		1	0.22	ND		1.1	0.23	ND		1	0.21
Solids, Total (%)		92.8		0.1	NA	90.5		0.1	NA	91.3		0.1	NA	89.2		0.1	NA	88.9		0.1	NA	90.9		0.1	NA	91.3		0.1	NA	90.2		0.1	NA

Notes:
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
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
Concentration exceeds USCO
Concentration exceeds RRSCO
Reporting Limit exceeds USCO but reported Conc does not

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	B-18			
Client Sample ID:		RI-SB-18 (7.5-8)			
Lab Sample ID:		L2353482-05			
Date Sampled:		9/13/2023			
Sample Depth (ft bgs):		7.5-8'			
Matrix:		SOIL			
		Conc	Q	RL	MDL
Volatile Organic Compounds (mg/kg)					
1,1,1,2-Tetrachloroethane		ND		0.00051	0.00013
1,1,1-Trichloroethane	0.68	ND		0.00051	0.00017
1,1,2,2-Tetrachloroethane		ND		0.00051	0.00017
1,1,2-Trichloroethane		ND		0.001	0.00027
1,1-Dichloroethane	0.27	ND		0.001	0.00015
1,1-Dichloroethene	0.33	ND		0.001	0.00024
1,1-Dichloropropene		ND		0.00051	0.00016
1,2,3-Trichlorobenzene		ND		0.002	0.00033
1,2,3-Trichloropropane		ND		0.002	0.00013
1,2,4,5-Tetramethylbenzene		ND		0.002	0.0002
1,2,4-Trichlorobenzene		ND		0.002	0.00028
1,2,4-Trimethylbenzene	3.6	ND		0.002	0.00034
1,2-Dibromo-3-chloropropane		ND		0.0031	0.001
1,2-Dibromoethane		ND		0.001	0.00028
1,2-Dichlorobenzene	1.1	ND		0.002	0.00015
1,2-Dichloroethane	0.02	ND		0.001	0.00026
1,2-Dichloroethene, Total		ND		0.001	0.00014
1,2-Dichloropropane		ND		0.001	0.00013
1,3,5-Trimethylbenzene	8.4	ND		0.002	0.0002
1,3-Dichlorobenzene	2.4	ND		0.002	0.00015
1,3-Dichloropropane		ND		0.002	0.00017
1,3-Dichloropropene, Total		ND		0.00051	0.00016
1,4-Dichlorobenzene	1.8	ND		0.002	0.00017
1,4-Dioxane	0.1	ND		0.082	0.036
2,2-Dichloropropane		ND		0.002	0.00021
2-Butanone	0.12	ND		0.01	0.0023
2-Hexanone		ND		0.01	0.0012
4-Methyl-2-pentanone		ND		0.01	0.0013
Acetone	0.05	ND		0.01	0.0049
Acrylonitrile		ND		0.0041	0.0012
Benzene	0.06	ND		0.00051	0.00017
Bromobenzene		ND		0.002	0.00015
Bromochloromethane		ND		0.002	0.00021
Bromodichloromethane		ND		0.00051	0.00011
Bromoform		ND		0.0041	0.00025
Bromomethane		ND		0.002	0.00059
Carbon disulfide		ND		0.01	0.0046
Carbon tetrachloride	0.76	ND		0.001	0.00023
Chlorobenzene	1.1	ND		0.00051	0.00013
Chloroethane		ND		0.002	0.00046
Chloroform	0.37	ND		0.0015	0.00014
Chloromethane		ND		0.0041	0.00095
cis-1,2-Dichloroethene	0.25	ND		0.001	0.00018
cis-1,3-Dichloropropene		ND		0.00051	0.00016
Dibromochloromethane		ND		0.001	0.00014
Dibromomethane		ND		0.002	0.00024
Dichlorodifluoromethane		ND		0.01	0.00093
Ethyl ether		ND		0.002	0.00035
Ethylbenzene	1	ND		0.001	0.00014
Hexachlorobutadiene		ND		0.0041	0.00017
Isopropylbenzene		ND		0.001	0.00011
Methyl tert butyl ether	0.93	ND		0.002	0.0002
Methylene chloride	0.05	ND		0.0051	0.0023
n-Butylbenzene	12	ND		0.001	0.00017
n-Propylbenzene	3.9	ND		0.001	0.00017
Naphthalene	12	ND		0.0041	0.00066
o-Chlorotoluene		ND		0.002	0.0002
o-Xylene		ND		0.001	0.0003
p-Chlorotoluene		ND		0.002	0.00011
p-Diethylbenzene		ND		0.002	0.00018
p-Ethyltoluene		ND		0.002	0.00039
p-Isopropyltoluene		ND		0.001	0.00011
p/m-Xylene		ND		0.002	0.00057
sec-Butylbenzene	11	ND		0.001	0.00015
Styrene		ND		0.001	0.0002
tert-Butylbenzene	5.9	ND		0.002	0.00012
Tetrachloroethene	1.3	ND		0.00051	0.0002

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	B-18			
Client Sample ID:		RI-SB-18 (7.5-8)			
Lab Sample ID:		L2353482-05			
Date Sampled:		9/13/2023			
Sample Depth (ft bgs):		7.5-8'			
Matrix:		SOIL			
		Conc	Q	RL	MDL
Toluene	0.7	ND		0.001	0.00055
trans-1,2-Dichloroethene	0.19	ND		0.0015	0.00014
trans-1,3-Dichloropropene		ND		0.001	0.00028
trans-1,4-Dichloro-2-butene		ND		0.0051	0.0014
Trichloroethene	0.47	ND		0.00051	0.00014
Trichlorofluoromethane		ND		0.0041	0.00071
Vinyl acetate		ND		0.01	0.0022
Vinyl chloride	0.02	ND		0.001	0.00034
Xylenes, Total	0.26	ND		0.001	0.0003
Total VOCs		-	-	-	-
Volatile Organic Compounds - TIC (mg/kg)					
1-Propene, 2-methyl-		-	-	-	-
Butane, 2-Methyl-		-	-	-	-
Cyclohexane, methyl-		-	-	-	-
Cyclopentane, Methyl-		-	-	-	-
Cyclotrisiloxane, Hexamethyl-		-	-	-	-
Decane, 4-methyl-		-	-	-	-
Heptane					
Heptane, 2-methyl-					
Heptane, 3-methyl-					
Hexane, 2,2,4-trimethyl-					
Hexane, 2,5-dimethyl-		-	-	-	-
Hexane, 2-methyl-		-	-	-	-
Hexane, 3-methyl-		-	-	-	-
Indane		-	-	-	-
n-Hexane		-	-	-	-
No Tentatively Identified Compounds		ND		0	0
Nonane (C9)					
Nonane, 4-methyl-					
Octane					
Octane, 2,6-dimethyl-					
Octane, 3-methyl-		-	-	-	-
Pentane		-	-	-	-
Pentane, 2,3,3-trimethyl-		-	-	-	-
Pentane, 2,3,4-trimethyl-		-	-	-	-
Pentane, 2,3-dimethyl-		-	-	-	-
Pentane, 2-methyl-		-	-	-	-
Pentane, 3-methyl-		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown Alkane					
Unknown Alkane					
Unknown Alkane		-	-	-	-
Unknown Alkane		-	-	-	-
Unknown Alkane		-	-	-	-
Unknown Alkane		-	-	-	-
Unknown Alkane					
Unknown Aromatic		-	-	-	-
Unknown Aromatic		-	-	-	-
Unknown Aromatic		-	-	-	-
Unknown Benzene					
Unknown Benzene					
Unknown Benzene		-	-	-	-
Unknown Benzene					
Unknown Benzene					
Unknown Benzene		-	-	-	-
Unknown Benzene		-	-	-	-
Unknown Cycloalkane		-	-	-	-
Unknown Cyclohexane		-	-	-	-
Total TIC Compounds		-	-	-	-
Perfluorinated Alkyl Acids (ug/kg)					
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)		ND		0.000533	0.000306
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)		ND		0.000533	0.000191

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	B-18			
Client Sample ID:		RI-SB-18 (7.5-8)			
Lab Sample ID:		L2353482-05			
Date Sampled:		9/13/2023			
Sample Depth (ft bgs):		7.5-8'			
Matrix:		SOIL			
		Conc	Q	RL	MDL
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)		ND		0.000533	0.00009
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)		ND		0.000533	0.000215
Perfluorobutanesulfonic Acid (PFBS)		ND		0.000266	0.000042
Perfluorobutanoic Acid (PFBA)		ND		0.000533	0.000024
Perfluorodecanesulfonic Acid (PFDS)		ND		0.000533	0.000163
Perfluorodecanoic Acid (PFDA)		ND		0.000266	0.000071
Perfluorododecanoic Acid (PFDoA)		ND		0.000533	0.000075
Perfluoroheptanesulfonic Acid (PFHpS)		ND		0.000533	0.000145
Perfluoroheptanoic Acid (PFHpA)		ND		0.000266	0.000048
Perfluorohexanesulfonic Acid (PFHxS)		ND		0.000266	0.000065
Perfluorohexanoic Acid (PFHxA)		ND		0.000533	0.000056
Perfluorononanoic Acid (PFNA)		ND		0.000266	0.00008
Perfluorooctanesulfonamide (FOSA)		ND		0.000533	0.000104
Perfluorooctanesulfonic Acid (PFOS)	0.88	ND		0.000266	0.000138
Perfluorooctanoic Acid (PFOA)	0.66	ND		0.000266	0.000045
Perfluoropentanoic Acid (PFPeA)		ND		0.000533	0.000049
Perfluorotetradecanoic Acid (PFTA)		ND		0.000533	0.000058
Perfluorotridecanoic Acid (PFTrDA)		ND		0.000533	0.000218
Perfluoroundecanoic Acid (PFUnA)		ND		0.000533	0.00005
PFOA/PFOS, Total		ND		0.000266	0.000045
Semi-Volatile Organic Compounds (mg/kg)					
1,2,4,5-Tetrachlorobenzene		ND		0.18	0.019
1,2,4-Trichlorobenzene		ND		0.18	0.02
1,2-Dichlorobenzene	1.1	ND		0.18	0.032
1,3-Dichlorobenzene	2.4	ND		0.18	0.031
1,4-Dichlorobenzene	1.8	ND		0.18	0.031
1,4-Dioxane	0.1	ND		0.027	0.0082
2,4,5-Trichlorophenol		ND		0.18	0.034
2,4,6-Trichlorophenol		ND		0.11	0.034
2,4-Dichlorophenol		ND		0.16	0.029
2,4-Dimethylphenol		ND		0.18	0.059
2,4-Dinitrophenol		ND		0.86	0.083
2,4-Dinitrotoluene		ND		0.18	0.036
2,6-Dinitrotoluene		ND		0.18	0.031
2-Chloronaphthalene		ND		0.18	0.018
2-Chlorophenol		ND		0.18	0.021
2-Methylnaphthalene		ND		0.21	0.022
2-Methylphenol	0.33	ND		0.18	0.028
2-Nitroaniline		ND		0.18	0.034
2-Nitrophenol		ND		0.39	0.067
3,3'-Dichlorobenzidine		ND		0.18	0.048
3-Methylphenol/4-Methylphenol	0.33	ND		0.26	0.028
3-Nitroaniline		ND		0.18	0.034
4,6-Dinitro-o-cresol		ND		0.46	0.086
4-Bromophenyl phenyl ether		ND		0.18	0.027
4-Chloroaniline		ND		0.18	0.032
4-Chlorophenyl phenyl ether		ND		0.18	0.019
4-Nitroaniline		ND		0.18	0.074
4-Nitrophenol		ND		0.25	0.073
Acenaphthene	20	ND		0.14	0.018
Acenaphthylene	100	ND		0.14	0.028
Acetophenone		ND		0.18	0.022
Anthracene	100	ND		0.11	0.035
Benzo(a)anthracene	1	ND		0.11	0.02
Benzo(a)pyrene	1	ND		0.14	0.044
Benzo(b)fluoranthene	1	ND		0.11	0.03
Benzo(ghi)perylene	100	ND		0.14	0.021
Benzo(k)fluoranthene	0.8	ND		0.11	0.029
Benzoic Acid		ND		0.58	0.18
Benzyl Alcohol		ND		0.18	0.055
Biphenyl		ND		0.41	0.023
Bis(2-chloroethoxy)methane		ND		0.19	0.018
Bis(2-chloroethyl)ether		ND		0.16	0.024
Bis(2-chloroisopropyl)ether		ND		0.21	0.03
Bis(2-ethylhexyl)phthalate		ND		0.18	0.062
Butyl benzyl phthalate		ND		0.18	0.045
Carbazole		ND		0.18	0.017
Chrysene	1	ND		0.11	0.018
Di-n-butylphthalate		ND		0.18	0.034

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	B-18			
Client Sample ID:		RI-SB-18 (7.5-8)			
Lab Sample ID:		L2353482-05			
Date Sampled:		9/13/2023			
Sample Depth (ft bgs):		7.5-8'			
Matrix:		SOIL			
		Conc	Q	RL	MDL
Di-n-octylphthalate		ND		0.18	0.061
Dibenzo(a,h)anthracene	0.33	ND		0.11	0.021
Dibenzofuran	7	ND		0.18	0.017
Diethyl phthalate		ND		0.18	0.016
Dimethyl phthalate		ND		0.18	0.038
Fluoranthene	100	ND		0.11	0.02
Fluorene	30	ND		0.18	0.017
Hexachlorobenzene	0.33	ND		0.11	0.02
Hexachlorobutadiene		ND		0.18	0.026
Hexachlorocyclopentadiene		ND		0.51	0.16
Hexachloroethane		ND		0.14	0.029
Indeno(1,2,3-cd)pyrene	0.5	ND		0.14	0.025
Isophorone		ND		0.16	0.023
n-Nitrosodi-n-propylamine		ND		0.18	0.028
Naphthalene	12	ND		0.18	0.022
NDPA/DPA		ND		0.14	0.02
Nitrobenzene		ND		0.16	0.026
p-Chloro-m-cresol		ND		0.18	0.027
Pentachlorophenol	0.8	ND		0.14	0.039
Phenanthrene	100	ND		0.11	0.022
Phenol	0.33	ND		0.18	0.027
Pyrene	100	ND		0.11	0.018
Total SVOCs		-	-	-	-
Semi-Volatile Organic Compounds (mg/kg)					
Benzene, Propyl-					
Indane					
No Tentatively Identified Compounds		ND		0	0
Toluene					
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown		-	-	-	-
Unknown					
Unknown		-	-	-	-
Unknown Alkane		-	-	-	-
Unknown Alkane		-	-	-	-
Unknown Alkane		-	-	-	-
Unknown Alkane		-	-	-	-
Unknown Benzene					
Unknown Benzene					
Unknown Benzene		-	-	-	-
Unknown Benzene		-	-	-	-
Unknown Benzene		-	-	-	-
Unknown Benzene					
Unknown Benzene					
Unknown Benzene					
Unknown Benzene					
Unknown Benzene					
Unknown Indene		-	-	-	-
Unknown Organic Acid		-	-	-	-
Unknown Organic Acid		-	-	-	-
Total TIC Compounds		-	-	-	-
Pesticides (mg/kg)					
4,4'-DDD	0.0033	ND		0.00169	0.000601
4,4'-DDE	0.0033	ND		0.00169	0.00039
4,4'-DDT	0.0033	ND		0.00169	0.00136
Aldrin	0.005	ND		0.00169	0.000594
Alpha-BHC	0.02	ND		0.000703	0.0002
Beta-BHC	0.036	ND		0.00169	0.000639
Chlordane		ND		0.014	0.00558
cis-Chlordane	0.094	ND		0.00211	0.000587
Delta-BHC	0.04	ND		0.00169	0.00033
Dieldrin	0.005	ND		0.00105	0.000527
Endosulfan I	2.4	ND		0.00169	0.000398
Endosulfan II	2.4	ND		0.00169	0.000564
Endosulfan sulfate	2.4	ND		0.000703	0.000334
Endrin	0.014	ND		0.000703	0.000288

Table 5.1. Remedial Investigation Soil Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Boring ID:	USCO	B-18			
Client Sample ID:		RI-SB-18 (7.5-8)			
Lab Sample ID:		L2353482-05			
Date Sampled:		9/13/2023			
Sample Depth (ft bgs):		7.5-8'			
Matrix:		SOIL			
		Conc	Q	RL	MDL
Endrin aldehyde		ND		0.00211	0.000738
Endrin ketone		ND		0.00169	0.000434
Heptachlor	0.042	ND		0.000843	0.000378
Heptachlor epoxide		ND		0.00316	0.000948
Lindane	0.1	ND		0.000703	0.000314
Methoxychlor		ND		0.00316	0.000984
Toxaphene		ND		0.0316	0.00885
trans-Chlordane		ND		0.00211	0.000556
Polychlorinated Biphenyls (mg/kg)					
Aroclor 1016	0.1	ND		0.0532	0.00472
Aroclor 1221	0.1	ND		0.0532	0.00533
Aroclor 1232	0.1	ND		0.0532	0.0113
Aroclor 1242	0.1	ND		0.0532	0.00717
Aroclor 1248	0.1	ND		0.0532	0.00798
Aroclor 1254	0.1	ND		0.0532	0.00582
Aroclor 1260	0.1	ND		0.0532	0.00983
Aroclor 1262	0.1	ND		0.0532	0.00675
Aroclor 1268	0.1	ND		0.0532	0.00551
PCBs, Total	0.1	ND		0.0532	0.00472
Total Metals (mg/kg)					
Aluminum, Total		9780		8.56	2.31
Antimony, Total		ND		4.28	0.325
Arsenic, Total	13	1.61		0.856	0.178
Barium, Total	350	120		0.856	0.149
Beryllium, Total	7.2	0.679		0.428	0.028
Cadmium, Total	2.5	0.12	J	0.856	0.084
Calcium, Total		9830		8.56	3
Chromium, Total		17.1		0.856	0.082
Cobalt, Total		9.37		1.71	0.142
Copper, Total	50	17.9		0.856	0.221
Iron, Total		18200		4.28	0.773
Lead, Total	63	9.82		4.28	0.23
Magnesium, Total		7860		8.56	1.32
Manganese, Total	1600	577		0.856	0.136
Mercury, Total	0.18	ND		0.07	0.045
Nickel, Total	30	17		2.14	0.207
Potassium, Total		4420		214	12.3
Selenium, Total	3.9	ND		1.71	0.221
Silver, Total	2	ND		0.428	0.242
Sodium, Total		111	J	171	2.7
Thallium, Total		ND		1.71	0.27
Vanadium, Total		23.3		0.856	0.174
Zinc, Total	109	51		4.28	0.251
General Chemistry					
Cyanide, Total	27	ND		1	0.22
Solids, Total (%)		92		0.1	NA

Notes:
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
mg/kg = Miligrams per kilogram
ft. bgs = Feet below ground surface
Conc = concentration
Q = Qualifier
RL = Reporting Limit
MDL = Method Detection Limit
J = Estimated concentration
ND = Concentration not detected above RL
TIC = Tentatively Identified Compound
- = No SCO for compound or analysis not requested
Concentration exceeds USCO
Concentration exceeds RRSCO
Reporting Limit exceeds USCO but reported Conc does not

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:		RI-MW-01				RI-MW-02				RI-MW-03				RI-MW-03				RI-MW-04				RI-MW-05				RI-MW-06											
Sample ID:		RI-MW-01				RI-MW-02				RI-MW-03				DUP20231002				RI-MW-04				RI-MW-05				RI-MW-06				TB-20231004				TB0231003			
LAB ID:		L2358165-05				L2358165-04				L2357903-01				L2357903-02				L2358165-06				L2358165-03				L2358656-01				L2358656-03				L2358165-02			
Date Sampled:	AWQS	10/3/2023				10/3/2023				10/2/2023				10/2/2023				10/3/2023				10/3/2023				10/4/2023				10/4/2023				10/3/2023			
Screen Interval (ft bgs):		25-33'				25-33.4'				25-36.5'				25-36.5'				25-38.6'				31.5-46.5'				25-40'											
Sample Matrix:		WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS (ug/l)																																					
1,1,1,2-Tetrachloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,1-Trichloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,2,2-Tetrachloroethane	5	ND		0.5	0.17	ND		0.5	0.17	ND		50	17	ND		100	33	ND		50	17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
1,1,2-Trichloroethane	1	ND		1.5	0.5	ND		1.5	0.5	ND		150	50	ND		300	100	ND		150	50	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5
1,1-Dichloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	5	ND		0.5	0.17	ND		0.5	0.17	ND		50	17	ND		100	34	ND		50	17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
1,1-Dichloropropene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichloropropane	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4,5-Tetramethylbenzene	5	2.4		2	0.54	16		2	0.54	ND		200	54	ND		400	110	ND		200	54	ND		2	0.54	0.93	J	2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54
1,2,4-Trichlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	5	42		2.5	0.7	180		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	3.2		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	0.0006	ND		2	0.65	ND		2	0.65	ND		200	65	ND		400	130	ND		200	65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,2-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	0.6	ND		0.5	0.13	ND		0.5	0.13	ND		50	13	ND		100	26	ND		50	13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloroethene, Total	-	ND		2.5	0.7	ND		2.5	0.7	250		70	ND	500		140	ND	250		70	ND	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloropropane	1	ND		1	0.14	ND		1	0.14	ND		100	14	ND		200	27	ND		100	14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14
1,3,5-Trimethylbenzene	5	12		2.5	0.7	59		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	1.1	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichloropropane	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichloropropene, Total	-	ND		0.5	0.14	ND		0.5	0.14	ND		50	14	ND		100	29	ND		50	14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,4-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane	-	ND		250	61	ND		250	61	ND		25000	6100	ND		50000	12000	ND		25000	6100	ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61
2,2-Dichloropropane	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
2-Butanone	50	4.2	J	5	1.9	3.2	J	5	1.9	13000		500	190	15000		1000	390	7600		500	190	8.1		5	1.9	13		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9
2-Hexanone	50	ND		5	1	ND		5	1	ND		500	100	ND		1000	200	ND		500	100	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
4-Methyl-2-pentanone	-	ND		5	1	1.1	J	5	1	ND		500	100	ND		1000	200	ND		500	100	ND		5	1	4	J	5	1	ND		5	1	ND		5	1	ND		5	1
Acetone	50	15		5	1.5	11		5	1.5	2300		500	150	2800		1000	290	1300		500	150	11		5	1.5	39		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Acrylonitrile	5	ND		5	1.5	ND		5	1.5	ND		500	150	ND		1000	300	ND		500	150	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Benzene	1	6.3		0.5	0.16	0.35	J	0.5	0.16	ND		50	16	ND		100	32	ND		50	16	ND		0.5	0.16	0.74		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Bromobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromochloromethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	50	ND		0.5	0.19	ND		0.5	0.19	ND		50	19	ND		100	38	ND		50	19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
Bromoform	50	ND		2	0.65	ND		2	0.65	ND		200	65	ND		400	130	ND		200	65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
Bromomethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Carbon disulfide	60	ND		5	1	ND		5	1	ND		500	100	ND		1000	200	ND		500	100	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Carbon tetrachloride	5	ND		0.5	0.13	ND		0.5	0.13	ND		50	13	ND		100	27	ND		50	13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
Chlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroform	7	0.74	J	2.5	0.7	15		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	2.7		2.5	0.7	1.8	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloromethane	-	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,3-Dichloropropene	0.4	ND		0.5	0.14	ND		0.5	0.14	ND		50	14	ND		100	29	ND		50	14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
Dibromochloromethane	50	ND		0.5	0.15	ND		0.5	0.15	ND		50	15	ND		100	30	ND		50	15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
Dibromomethane	5	ND		5	1	ND		5	1	ND		500	100	ND		1000	200	ND		500	100	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Dichlorodifluoromethane	5	ND		5	1	ND		5	1	ND		500	100	ND		1000	200	ND		500	100	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Ethyl ether	-	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	5	21		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	0.5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	5	2.7		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	10	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methylene chloride	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	5	0.98	J	2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	5	7.8		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	10	4		2.5	0.7	40		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	1.5	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	5	34		2.5	0.7	35		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Diethylbenzene	-	ND		2	0.7	ND		2	0.7	ND		200	70	ND		400	140	ND		200	70	ND		2	0.7	2		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7
p-Ethyltoluene	-	36		2	0.7	93		2	0.7	ND		200	70	ND		400	140	ND		200	70	ND		2	0.7	1.4	J	2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7
p-Isopropyltoluene	5	ND		2.5	0.7	0.83	J	2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p/m-Xylene	5	75		2.5	0.7	76		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	0.7	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Styrene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	2	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Tetrachloroethene	5	ND		0.5	0.18	ND		0.5	0.18	ND		50	18	ND		100	36	ND		50	18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Toluene	5	36		2.5	0.7	5.8		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	19		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,2-Dichloroethene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,3-Dichloropropene	0.4	ND		0.5	0.16	ND		0.5	0.16	ND		50	16	ND		100	33	ND		50	16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
trans-1,4-Dichloro-2-butene	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	5	ND		0.5	0.18	ND		0.5	0.18	ND		50	18	ND		100	35	ND		50	18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Trichlorofluoromethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:		RI-MW-01				RI-MW-02				RI-MW-03				RI-MW-03				RI-MW-04				RI-MW-05				RI-MW-06											
Sample ID:		RI-MW-01				RI-MW-02				RI-MW-03				DUP20231002				RI-MW-04				RI-MW-05				RI-MW-06				TB-20231004				TB0231003			
LAB ID:	AWQS	L2358165-05				L2358165-04				L2357903-01				L2357903-02				L2358165-06				L2358165-03				L2358656-01				L2358656-03				L2358165-02			
Date Sampled:		10/3/2023				10/3/2023				10/2/2023				10/2/2023				10/3/2023				10/3/2023				10/4/2023				10/4/2023				10/3/2023			
Screen Interval (ft bgs):		25-33'				25-33.4'				25-36.5'				25-36.5'				25-38.6'				31.5-46.5'				25-40'											
Sample Matrix:		WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Vinyl acetate	-	ND		5	1	ND		5	1	ND		500	100	ND		1000	200	ND		500	100	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Vinyl chloride	2	ND		1	0.07	ND		1	0.07	ND		100	7.1	ND		200	14	ND		100	7.1	ND		1	0.07	ND		1	0.07	ND		1	0.07	ND		1	0.07
Xylenes, Total	-	110		2.5	0.7	110		2.5	0.7	ND		250	70	ND		500	140	ND		250	70	ND		2.5	0.7	0.7	J	2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Total VOCs	-	300.12	-	-	-	536.28	-	-	-	15300	-	-	-	17800	-	-	-	8900	-	-	-	21.8	-	-	-	90.37	-	-	-	-	-	-	-	-	-	-	-
VOLATILE ORGANICS BY GC/MS-TIC (ug/l)																																					
1-Hexanol, 2-ethyl-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	4.02	NJ	0	0	-	-	-	-	-	-	-	-
Cyclohexane, methyl-	-	3.12	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Hexanal	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.28	NJ	0	0	-	-	-	-	-	-	-	-
Indane	-	-		-	-	50.4	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
No Tentatively Identified Compounds	-	-		-	-	-		-	-	ND		0	0	ND		0	0	ND		0	0	-		-	-	-		-	-	ND		0	0	ND		0	0
Propene	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.73	NJ	0	0	2.74	NJ	0	0	-	-	-	-	-	-	-	-
Unknown	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.74	J	0	0	-	-	-	-	-	-	-	-
Unknown	-	-		-	-	8.79	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	2.1	J	0	0	-	-	-	-	-	-	-	-
Unknown	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.15	J	0	0	-	-	-	-	-	-	-	-
Unknown	-	-		-	-	12.9	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	1.62	J	0	0	-	-	-	-	-	-	-	-
Unknown	-	2.86	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	2.95	J	0	0	-		-	-	-	-	-	-	-	-	-	-
Unknown Alkane	-	3.52	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Alkene	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	1.49	J	0	0	-		-	-	-	-	-	-	-	-	-	-
Unknown Aromatic	-	-		-	-	8.05	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Aromatic	-	-		-	-	40	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Aromatic	-	2.58	J	0	0	13.6	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Aromatic	-	4.15	J	0	0	17.4	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Aromatic	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.41	J	0	0	-	-	-	-	-	-	-	-
Unknown Benzene	-	10.6	J	0	0	41.5	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	1.19	J	0	0	-	-	-	-	-	-	-	-
Unknown Benzene	-	9.87	J	0	0	29.4	J	0	0	-		-	-	-		-	-	-		-	-	-		-	-	1.21	J	0	0	-	-	-	-	-	-	-	-
Unknown Benzene	-	5.61	J	0	0	6.54	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	4.82	J	0	0	32.7	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	4.13	J	0	0	28.2	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	-		-	-	9.21	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	-		-	-	28.1	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
Total TIC Compounds	-	51.3	J	0	0	327	J	0	0	-		-	-	-		-	-	-		-	-	7.17	J	0	0	20.5	J	0	0	-	-	-	-	-	-	-	-
1,4 DIOXANE BY 8270E-SIM (ug/l)																																					
1,4-Dioxane	-	ND		0.156	0.035	0.112	J	0.147	0.033	ND		0.17	0.039	ND		0.178	0.04	ND		0.163	0.037	ND		0.156	0.035	0.142	J	0.144	0.033	-	-	-	-	-	-	-	-
PERFLUORINATED ALKYL ACIDS BY ISOTOPE DILUTION (ng/L)																																					
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	-	ND		0.002	0.001	ND		0.002	0.001	ND		0.002	0.001	ND		0.002	0.001	ND		0.003	0.002	ND		0.002	0.001	ND		0.002	0.001	-	-	-	-	-	-	-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	-	ND		0.002	0.001	ND		0.002	0.001	ND		0.002	0.001	ND		0.002	0.001	ND		0.003	0.002	ND		0.002	0.001	0.0263		0.002	0.001	-	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	-	ND		0.002	8E-04	ND		0.002	8E-04	ND		0.002	8E-04	ND		0.002	7E-04	ND		0.003	0.001	ND		0.002	7E-04	ND		0.002	8E-04	-	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	-	ND		0.002	6E-04	ND		0.002	6E-04	ND		0.002	6E-04	ND		0.002	6E-04	ND		0.003	9E-04	ND		0.002	6E-04	ND		0.002	6E-04	-	-	-	-	-	-	-	-
Perfluorobutanesulfonic Acid (PFBS)	-	0.00256		0.002	2E-04	0.0011	J	0.002	2E-04	0.000632	J	0.002	2E-04	0.000837	J	0.002	2E-04	0.000987	J	0.003	3E-04	0.00115	J	0.002	2E-04	0.0014	J	0.002	2E-04	-	-	-	-	-	-	-	-
Perfluorobutanoic Acid (PFBA)	-	0.00784		0.002	4E-04	0.0118		0.002	4E-04	0.00454		0.002	4E-04	0.00527		0.002	4E-04	0.00441		0.003	6E-04	0.00313		0.002	4E-04	0.00619		0.002	4E-04	-	-	-	-	-	-	-	-
Perfluorodecanesulfonic Acid (PFDS)	-	ND		0.002	9E-04	ND		0.002	9E-04	ND		0.002	9E-04	ND		0.002	9E-04	ND		0.003	0.001	ND		0.002	9E-04	ND		0.002	9E-04	-	-	-	-	-	-	-	-
Perfluorodecanoic Acid (PFDA)	-	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.003	4E-04	ND		0.002	3E-04	ND		0.002	3E-04	-	-	-	-	-	-	-	-
Perfluorododecanoic Acid (PFDoA)	-	ND		0.002	4E-04	ND		0.002	4E-04	ND		0.002	4E-04	ND		0.002	3E-04	ND		0.003	5E-04	ND		0.002	3E-04	ND		0.002	4E-04	-	-	-	-	-	-	-	-
Perfluoroheptanesulfonic Acid (PFHpS)	-	ND		0.002	7E-04	ND		0.002	7E-04	ND		0.002	7E-04	ND		0.002	6E-04	ND		0.003	1E-03	ND		0.002	6E-04	ND		0.002	7E-04	-	-	-	-	-	-	-	-
Perfluoroheptanoic Acid (PFHpA)	-	0.00206		0.002	2E-04	0.00127	JF	0.002	2E-04	0.000663	J	0.002	2E-04	0.000863	JF	0.002	2E-04	0.000567	JF	0.003	3E-04	0.00124	J	0.002	2E-04	0.0015	J	0.002	2E-04	-	-	-	-	-	-	-	-
Perfluorohexanesulfonic Acid (PFHxS)	-	0.0024		0.002	4E-04	0.00131	J	0.002	4E-04	0.00122	J	0.002	4E-04	0.00138	J	0.002	3E-04	ND		0.003	5E-04	0.00424		0.002	4E-04	0.00473		0.002	4E-04	-	-	-	-	-	-	-	-
Perfluorohexanoic Acid (PFHxA)	-	0.00311		0.002	3E-04	0.00254		0.002	3E-04	0.00153	J	0.002	3E-04	0.00185		0.002	3E-04	0.00106	J	0.003	5E-04	0.00365		0.002	3E-04	0.00628		0.002	3E-04	-	-	-	-	-	-	-	-
Perfluorononanoic Acid (PFNA)	-	0.000477	JF	0.002	3E-04	0.000313	JF	0.002	3E-04	ND		0.002	3E-04	0.000393	JF	0.002	3E-04	ND		0.003	4E-04	ND		0.002	3E-04	ND		0.002	3E-04	-	-	-	-	-	-	-	-
Perfluorooctanesulfonamide (FOSA)	-	ND		0.002	6E-04	ND		0.002	6E-04	ND		0.002	6E-04	ND		0.002	6E-04	ND		0.003	8E-04	ND		0.002	5E-04	ND		0.002	6E-04	-	-	-	-	-	-	-	-
Perfluorooctanesulfonic Acid (PFOS)	0.88	0.00418		0.002	5E-04	0.00243		0.002	5E-04	0.00115	JF	0.002	5E-04	0.00128	JF	0.002	5E-04	0.00121	J	0.003	7E-04	0.0013	J	0.002	5E-04	0.00233		0.002	5E-04	-	-	-	-	-	-	-	-
Perfluorooctanoic Acid (PFOA)	0.66	0.00378		0.002	2E-04	0.00185	J	0.002	2E-04	0.00158	J	0.002	2E-04	0.00208	F	0.002	2E-04	0.00142	J	0.003	3E-04	0.00222		0.002	2E-04	0.00262		0.002	2E-04	-	-	-	-	-	-	-	-
Perfluoropentanoic Acid (PFPeA)	-	0.00426		0.002	4E-04	0.00324		0.002	4E-04	0.00332		0.002	4E-04	0.00337		0.002	4E-04	0.0185		0.003	6E-04	0.00799		0.002	4E-04	0.00605		0.002	4E-04	-	-	-	-	-	-	-	-
Perfluorotetradecanoic Acid (PFTA)	-	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.003	4E-04	ND		0.002	2E-04	ND		0.002	2E-04	-	-	-	-	-	-	-	-
Perfluorotridecanoic Acid (PFTrDA)	-	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.003	5E-04	ND		0.002	3E-04	ND		0.002	3E-04	-	-	-	-	-	-	-	-
Perfluoroundecanoic Acid (PFUnA)	-	ND		0.002	3E-04	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.003	4E-04	ND		0.002	2E-04	ND		0.002	2E-04	-	-	-	-	-	-	-	-
PFOA/PFOS, Total	-	0.00796		0.002	2E-04	0.00428	J	0.002	2E-04	0.00273	J	0.002	2E-04	0.00336	J	0.002	2E-04	0.00263	J	0.003	3E-04	0.00352	J	0.002	2E-04	0.00495		0.002	2E-04	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS (ug/l)																																					
1,2,4,5-Tetrachlorobenzene	5	ND		10	0.44	ND		10	0.44	ND		10	0.44	ND		10	0.44	ND		10	0.44	ND		10	0.44	ND		10	0.44	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	3	ND		2	0.45	ND		2	0.45	ND		2	0.45	ND		2	0.45	ND		2	0.45	ND		2	0.45	ND		2	0.45	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	3	ND		2	0.4	ND		2	0.4	ND		2	0.4	ND		2	0.4	ND		2	0.4	ND		2	0.4	ND		2	0.4	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	3	ND		2	0.43	ND		2	0.43	ND		2	0.43	ND		2	0.43	ND		2	0.43	ND		2	0.43	ND		2	0.43	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	ND		5	0.77	ND		5	0.77	ND		5	0.77	ND		5	0.77	ND		5	0.77	ND		5	0.77	ND		5	0.77	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	ND		5	0.61	ND		5	0.61	ND		5	0.61	ND		5	0.61	ND		5	0.61	ND		5	0.61	ND		5	0.61	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	1	ND		5	0.41	ND		5	0.41	ND		5	0.41	ND		5	0.41	ND		5	0.41	ND		5	0.41	ND		5	0.41	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	50	1.8	J	5	1.8	9.5		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	10	ND		20	6.6	ND		20	6.6	ND		20	6.6	ND		20	6.6	ND		20	6.6	ND		20	6.6	ND		20	6.6	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	5	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	5	ND		5	0.93	ND		5	0.93	ND		5	0.93	ND		5	0.93	ND		5	0.93	ND		5	0.93	ND		5	0.93	-	-	-	-	-	-	-	-

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:		RI-MW-01				RI-MW-02				RI-MW-03								RI-MW-04				RI-MW-05				RI-MW-06															
Sample ID:		RI-MW-01				RI-MW-02				RI-MW-03				DUP20231002				RI-MW-04				RI-MW-05				RI-MW-06				TB-20231004				TB0231003				TB20231002			
LAB ID:	AWQS	L2358165-05				L2358165-04				L2357903-01				L2357903-02				L2358165-06				L2358165-03				L2358165-01				L2358656-03				L2358165-02				L2357903-04			
Date Sampled:		10/3/2023				10/3/2023				10/2/2023				10/2/2023				10/3/2023				10/3/2023				10/4/2023				10/4/2023				10/3/2023				10/2/2023			
Screen Interval (ft bgs):		25-33'				25-33.4'				25-36.5'				25-36.5'				25-38.6'				31.5-46.5'				25-40'															
Sample Matrix:		WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
2-Chlorophenol	-	ND		2	0.48	ND		2	0.48	ND		2	0.48	ND		2	0.48	ND		2	0.48	ND		2	0.48	ND		2	0.48	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	1.1	J	5	0.49	2.2	J	5	0.49	ND		5	0.49	ND		5	0.49	ND		5	0.49	ND		5	0.49	11		5	0.49	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	-	-	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol		ND		10	0.85	ND		10	0.85	ND		10	0.85	ND		10	0.85	ND		10	0.85	ND		10	0.85	ND		10	0.85	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	5	ND		5	1.6	ND		5	1.6	ND		5	1.6	ND		5	1.6	ND		5	1.6	ND		5	1.6	ND		5	1.6	-	-	-	-	-	-	-	-	-	-	-	-
3-Methylphenol/4-Methylphenol	-	1.7	J	5	0.48	4.4	J	5	0.48	ND		5	0.48	ND		5	0.48	ND		5	0.48	ND		5	0.48	21		5	0.48	-	-	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	5	ND		5	0.81	ND		5	0.81	ND		5	0.81	ND		5	0.81	ND		5	0.81	ND		5	0.81	ND		5	0.81	-	-	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-o-cresol	-	ND		10	1.8	ND		10	1.8	ND		10	1.8	ND		10	1.8	ND		10	1.8	ND		10	1.8	ND		10	1.8	-	-	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	ND		2	0.38	ND		2	0.38	ND		2	0.38	ND		2	0.38	ND		2	0.38	ND		2	0.38	ND		2	0.38	-	-	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	5	ND		5	1.1	ND		5	1.1	ND		5	1.1	ND		5	1.1	ND		5	1.1	ND		5	1.1	ND		5	1.1	-	-	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	5	ND		5	0.8	ND		5	0.8	ND		5	0.8	ND		5	0.8	ND		5	0.8	ND		5	0.8	ND		5	0.8	-	-	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	ND		10	0.67	ND		10	0.67	ND		10	0.67	ND		10	0.67	ND		10	0.67	ND		10	0.67	ND		10	0.67	-	-	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	1.6	J	5	0.53	ND		5	0.53	1.2	J	5	0.53	1.1	J	5	0.53	ND		5	0.53	0.66	J	5	0.53	6.3		5	0.53	-	-	-	-	-	-	-	-	-	-	-	-
Benzoic Acid	-	ND		50	2.6	15	J	50	2.6	25	J	50	2.6	72		50	2.6	7.4	J	50	2.6	ND		50	2.6	32	J	50	2.6	-	-	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	-	0.64	J	2	0.59	2.1		2	0.59	ND		2	0.59	ND		2	0.59	ND		2	0.59	ND		2	0.59	6.3		2	0.59	-	-	-	-	-	-	-	-	-	-	-	-
Biphenyl	-	ND		2	0.46	ND		2	0.46	ND		2	0.46	ND		2	0.46	ND		2	0.46	ND		2	0.46	ND		2	0.46	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	1	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	5	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53	-	-	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	5	ND		3	1.5	ND		3	1.5	41		3	1.5	ND		3	1.5	ND		3	1.5	ND		3	1.5	ND		3	1.5	-	-	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate	50	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	-	-	-	-	-	-	-	-	-	-	-	-
Carbazole	-	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	50	ND		5	0.39	ND		5	0.39	ND		5	0.39	ND		5	0.39	ND		5	0.39	ND		5	0.39	ND		5	0.39	-	-	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	50	ND		5	1.3	ND		5	1.3	ND		5	1.3	ND		5	1.3	ND		5	1.3	ND		5	1.3	ND		5	1.3	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	-	-	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	50	ND		5	0.38	ND		5	0.38	ND		5	0.38	ND		5	0.38	ND		5	0.38	ND		5	0.38	ND		5	0.38	-	-	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	50	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	5	ND		20	0.69	ND		20	0.69	ND		20	0.69	ND		20	0.69	ND		20	0.69	ND		20	0.69	ND		20	0.69	-	-	-	-	-	-	-	-	-	-	-	-
Isophorone	50	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	-	-	-	-	-	-	-	-	-	-	-	-
n-Nitrosodi-n-propylamine	-	ND		5	0.64	ND		5	0.64	ND		5	0.64	ND		5	0.64	ND		5	0.64	ND		5	0.64	ND		5	0.64	-	-	-	-	-	-	-	-	-	-	-	-
NDPA/DPA	50	ND		2	0.42	ND		2	0.42	ND		2	0.42	ND		2	0.42	ND		2	0.42	ND		2	0.42	ND		2	0.42	-	-	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	0.4	ND		2	0.77	ND		2	0.77	ND		2	0.77	ND		2	0.77	ND		2	0.77	ND		2	0.77	ND		2	0.77	-	-	-	-	-	-	-	-	-	-	-	-
p-Chloro-m-cresol	-	ND		2	0.35	ND		2	0.35	ND		2	0.35	ND		2	0.35	ND		2	0.35	ND		2	0.35	ND		2	0.35	-	-	-	-	-	-	-	-	-	-	-	-
Phenol	1	ND		5	0.57	9		5	0.57	1	J	5	0.57	1.8	J	5	0.57	ND		5	0.57	ND		5	0.57	42		5	0.57	-	-	-	-	-	-	-	-	-	-	-	-
Total SVOCs	-	6.84	-	-	-	42.2	-	-	-	68.2	-	-	-	74.9	-	-	-	7.4	-	-	-	0.66	-	-	-	118.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS-SIM (ug/l)																																									
2-Chloronaphthalene	10	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	0.8		0.1	0.02	15		0.1	0.02	0.37		0.1	0.02	0.29		0.1	0.02	0.04	J	0.1	0.02	ND		0.1	0.02	1.2		0.1	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	20	0.02	J	0.1	0.01	0.16		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	0.03	J	0.1	0.01	ND		0.1	0.01	0.03	J	0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	ND		0.1	0.01	0.05	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	0.03	J	0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	50	0.02	J	0.1	0.01	0.02	J	0.1	0.01	0.05	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	0.002	ND		0.1	0.02	ND		0.1	0.02	0.1		0.1	0.02	0.03	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	0	ND		0.1	0.02	ND		0.1	0.02	0.09	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	0.002	ND		0.1	0.01	0.01	J	0.1	0.01	0.17		0.1	0.01	0.01	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	-	ND		0.1	0.01	ND		0.1	0.01	0.1	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	0.002	ND		0.1	0.01	ND		0.1	0.01	0.05	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	0.002	ND		0.1	0.01	ND		0.1	0.01	0.12		0.1	0.01	0.01	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	50	ND		0.1	0.02	0.03	J	0.1	0.02	0.21		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	50	0.01	J	0.1	0.01	0.18		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	0.04	J	0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	0.04	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	0.5	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	5	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	0.002	ND		0.1	0.01	ND		0.1	0.01	0.08	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	10	1.8		0.1	0.05	24		0.1	0.05	0.33		0.1	0.05	0.35		0.1	0.05	ND		0.1	0.05	ND		0.1	0.05	0.69		0.1	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	1	0.06	J	0.8	0.01	0.07	J	0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	0.07	J	0.8	0.01	0.05	J	0.8	0.01	0.09	J	0.8	0.01	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	50	ND		0.1	0.02	0.14		0.1	0.02	0.13		0.1	0.02	0.03	J	0.1	0.02	0.04	J	0.1	0.02	ND		0.1	0.02	0.05	J	0.1	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	50	ND		0.1	0.02	0.03	J	0.1	0.02	0.2		0.1	0.02	0.02	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02	-	-	-	-	-	-	-	-	-	-	-	-
Total SVOCs		2.71	-	-	-	39.69	-	-	-	2	-	-	-	0.74	-	-	-	0.18	-	-	-	0.05	-	-	-	2.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANICS BY GC/MS-TIC ug/l																																									
Butyl citrate	-	-		-	-	-		-	-	-		-	-	-		-	-	6.73	NJ	0	0	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	4.36	NJ	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	6.25	J	0	0	-		-	-	-		-	-	-		-	-	51.7	J	0	0	2.87	J	0	0	9.13	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-		-	-	-		-	-	-		-	-	-		-	-	6.47	J	0	0	4.07	J	0	0	9.05	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	2.65	J	0	0	5.74	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	4.73	J	0	0	12.2	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	-		-	-	-		-	-	-		-	-	-		-	-	-		-	-	4.14	J	0	0	13.6	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	5.27	J	0	0	-		-	-	68.4	J	0	0	-		-	-	9.67	J	0	0	6.29	J	0	0	65.7	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	5.13	J	0	0	-		-	-	14.9	J	0	0	-		-	-	26.1	J	0	0	4.36	J	0	0	6.22	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	191	J	0	0	8.36	J	0	0	17.3	J	0	0	-		-	-	8.8	J	0	0	2.22	J	0	0	6.33	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	13.8	J	0	0	10.9	J	0	0	128	J	0	0	-		-	-	11.8	J	0	0	2.29	J	0	0	7.34	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown	-	27.6	J	0	0	8	J	0	0	25.6	J	0	0	-		-	-	8.25	J	0	0	4.25	J	0	0	5.02	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:		RI-MW-01				RI-MW-02				RI-MW-03				RI-MW-03				RI-MW-04				RI-MW-05				RI-MW-06											
Sample ID:		RI-MW-01				RI-MW-02				RI-MW-03				DUP20231002				RI-MW-04				RI-MW-05				RI-MW-06				TB-20231004				TB0231003			
LAB ID:	AWQS	L2358165-05				L2358165-04				L2357903-01				L2357903-02				L2358165-06				L2358165-03				L2358656-01				L2358656-03				L2358165-02			
Date Sampled:		10/3/2023				10/3/2023				10/2/2023				10/2/2023				10/3/2023				10/3/2023				10/4/2023				10/4/2023				10/3/2023			
Screen Interval (ft bgs):		25-33'				25-33.4'				25-36.5'				25-36.5'				25-38.6'				31.5-46.5'				25-40'											
Sample Matrix:		WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Unknown	-	8.91	J	0	0	32.3	J	0	0	113	J	0	0	-		-	-	6.54	J	0	0	2.69	J	0	0	5.49	J	0	0	-	-	-	-	-	-	-	-
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	14.5	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Alcohol	-	-		-	-	-		-	-	-		-	-	-		-	-	10.6	J	0	0	-		-	-	7.02	J	0	0	-	-	-	-	-	-	-	-
Unknown Alkane	-	-	-	-	-	-		-	-	-		-	-	-		-	-	-		-	-	4.33	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Amide	-	5.74	J	0	0	-		-	-	-		-	-	-		-	-	6.14	J	0	0	5.71	J	0	0	11.7	J	0	0	-	-	-	-	-	-	-	-
Unknown Benzene	-	5.49	J	0	0	18.8	J	0	0	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	17.4	J	0	0	47	J	0	0	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	10.7	J	0	0	56	J	0	0	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	-		-	-	44.8	J	0	0	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	5.71	J	0	0	132	J	0	0	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Benzene	-	8	J	0	0	22.8	J	0	0	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Ketone	-	-		-	-	-		-	-	780	J	0	0	14.5	J	0	0	1040	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	11	J	0	0	8.4	J	0	0	44.3	J	0	0	-		-	-	7.93	J	0	0	16.4	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	14.4	J	0	0	8.33	J	0	0	41.9	J	0	0	-		-	-	60.5	J	0	0	32	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	-		-	-	32.5	J	0	0	-		-	-	-		-	-	113	J	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	-		-	-	108	J	0	0	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	-		-	-	45.6	J	0	0	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown Organic Acid	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	6.98	J	0	0	-	-	-	-	-	-	-	-
Unknown Siloxane	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total TIC Compounds	-	336	J	0	0	584	J	0	0	1230	J	0	0	29	J	0	0	1370	J	0	0	99	J	0	0	176	J	0	0	-	-	-	-	-	-	-	-
ORGANOCHLORINE PESTICIDES BY GC (ug/l)																																					
4,4'-DDD	0.3	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	-	-	-	-	-	-	-	-
4,4'-DDE	0.2	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	-	-	-	-	-	-	-	-
4,4'-DDT	0.2	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	-	-	-	-	-	-	-	-
Aldrin	0	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	-	-	-	-	-	-	-	-
Alpha-BHC	0.01	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	-	-	-	-	-	-	-	-
Beta-BHC	0.04	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	-	-	-	-	-	-	-	-
Chlordane	0.05	ND		0.143	0.033	ND		0.143	0.033	ND		0.143	0.033	ND		0.143	0.033	ND		0.143	0.033	ND		0.143	0.033	ND		0.143	0.033	-	-	-	-	-	-	-	-
cis-Chlordane		ND		0.014	0.005	ND		0.014	0.005	ND		0.014	0.005	ND		0.014	0.005	ND		0.014	0.005	ND		0.014	0.005	ND		0.014	0.005	-	-	-	-	-	-	-	-
Delta-BHC	0.04	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	-	-	-	-	-	-	-	-
Dieldrin	0.004	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	-	-	-	-	-	-	-	-
Endosulfan I	-	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	-	-	-	-	-	-	-	-
Endosulfan II	-	ND		0.029	0.004	ND		0.029	0.004	ND		0.029	0.004	ND		0.029	0.004	ND		0.029	0.004	ND		0.029	0.004	ND		0.029	0.004	-	-	-	-	-	-	-	-
Endosulfan sulfate	-	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	-	-	-	-	-	-	-	-
Endrin	0	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	-	-	-	-	-	-	-	-
Endrin aldehyde	5	ND		0.029	0.006	ND		0.029	0.006	ND		0.029	0.006	ND		0.029	0.006	ND		0.029	0.006	ND		0.029	0.006	ND		0.029	0.006	-	-	-	-	-	-	-	-
Endrin ketone	5	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003	-	-	-	-	-	-	-	-
Heptachlor	0.04	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002	-	-	-	-	-	-	-	-
Heptachlor epoxide	0.03	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	-	-	-	-	-	-	-	-
Lindane	0.05	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003	-	-	-	-	-	-	-	-
Methoxychlor	35	ND		0.143	0.005	ND		0.143	0.005	ND		0.143	0.005	ND		0.143	0.005	ND		0.143	0.005	ND		0.143	0.005	ND		0.143	0.005	-	-	-	-	-	-	-	-
Toxaphene	0.06	ND		0.143	0.045	ND		0.143	0.045	ND		0.143	0.045	ND		0.143	0.045	ND		0.143	0.045	ND		0.143	0.045	ND		0.143	0.045	-	-	-	-	-	-	-	-
trans-Chlordane	-	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004	-	-	-	-	-	-	-	-

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:		RI-MW-01				RI-MW-02				RI-MW-03				RI-MW-03				RI-MW-04				RI-MW-05				RI-MW-06															
Sample ID:		RI-MW-01				RI-MW-02				RI-MW-03				DUP20231002				RI-MW-04				RI-MW-05				RI-MW-06				TB-20231004				TB0231003				TB20231002			
LAB ID:		L2358165-05				L2358165-04				L2357903-01				L2357903-02				L2358165-06				L2358165-03				L2358656-01				L2358656-03				L2358165-02				L2357903-04			
Date Sampled:	AWQS	10/3/2023				10/3/2023				10/2/2023				10/2/2023				10/3/2023				10/3/2023				10/4/2023				10/4/2023				10/3/2023				10/2/2023			
Screen Interval (ft bgs):		25-33'				25-33.4'				25-36.5'				25-36.5'				25-38.6'				31.5-46.5'				25-40'															
Sample Matrix:		WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS BY GC (ug/l)																																									
Aroclor 1016	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1262	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1268	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
PCBs, Total		ND		0.071	0.061	ND		0.071	0.061	ND		0.083	0.071	ND		0.083	0.071	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL METALS (ug/l)																																									
Aluminum, Total	-	782		10	3.27	12100		10	3.27	280000		50	16.4	269000		50	16.4	4680		10	3.27	3630		10	3.27	871		10	3.27	-	-	-	-	-	-	-	-	-	-	-	-
Antimony, Total	3	ND		4	0.42	2.15	J	4	0.42	ND		20	2.14	ND		20	2.14	0.53	J	4	0.42	1.84	J	4	0.42	ND		4	0.42	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	25	0.41	J	0.5	0.16	0.96		0.5	0.16	31.48		2.5	0.82	33.69		2.5	0.82	0.46	J	0.5	0.16	0.34	J	0.5	0.16	0.71		0.5	0.16	-	-	-	-	-	-	-	-	-	-	-	-
Barium, Total	1000	108.1		0.5	0.17	283.5		0.5	0.17	10990		2.5	0.86	10640		2.5	0.86	113.6		0.5	0.17	92.85		0.5	0.17	328.8		0.5	0.17	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Total	3	ND		0.5	0.1	0.33	J	0.5	0.1	12.38		2.5	0.53	12.1		2.5	0.53	0.14	J	0.5	0.1	0.13	J	0.5	0.1	ND		0.5	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Total	5	ND		0.2	0.05	0.06	J	0.2	0.05	3.26		1	0.29	3.54		1	0.29	ND		0.2	0.05	ND		0.2	0.05	ND		0.2	0.05	-	-	-	-	-	-	-	-	-	-	-	-
Calcium, Total	-	292000		100	39.4	140000		100	39.4	486000		500	197	419000		500	197	59000		100	39.4	23800		100	39.4	333000		100	39.4	-	-	-	-	-	-	-	-	-	-	-	-
Chromium, Total	50	27.9		1	0.17	56.35		1	0.17	780.9		5	0.89	776.9		5	0.89	9.86		1	0.17	14.66		1	0.17	14.8		1	0.17	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Total	-	0.55		0.5	0.16	8.91		0.5	0.16	327.6		2.5	0.81	334.6		2.5	0.81	3.6		0.5	0.16	3		0.5	0.16	0.75		0.5	0.16	-	-	-	-	-	-	-	-	-	-	-	-
Copper, Total	200	3.17		1	0.38	35.74		1	0.38	1567		5	1.92	1408		5	1.92	6.37		1	0.38	8.31		1	0.38	74.52		1	0.38	-	-	-	-	-	-	-	-	-	-	-	-
Iron, Total	300	911		50	19.1	19800		50	19.1	490000		250	95.5	480000		250	95.5	8080		50	19.1	6510		50	19.1	1110		50	19.1	-	-	-	-	-	-	-	-	-	-	-	-
Lead, Total	25	0.38	J	1	0.34	5.42		1	0.34	293.3		5	1.71	317.8		5	1.71	2.31		1	0.34	1.58		1	0.34	1.01		1	0.34	-	-	-	-	-	-	-	-	-	-	-	-
Magnesium, Total	35000	952		70	24.2	6690		70	24.2	217000		350	121	209000		350	121	40600		70	24.2	12400		70	24.2	367		70	24.2	-	-	-	-	-	-	-	-	-	-	-	-
Manganese, Total	300	14.4		1	0.44	272.8		1	0.44	18400		5	2.2	17310		5	2.2	149.6		1	0.44	115.4		1	0.44	14.96		1	0.44	-	-	-	-	-	-	-	-	-	-	-	-
Mercury, Total	0.7	ND		0.2	0.09	ND		0.2	0.09	ND		2	0.91	0.1	J	0.2	0.09	ND		0.2	0.09	ND		0.2	0.09	ND		0.2	0.09	-	-	-	-	-	-	-	-	-	-	-	-
Nickel, Total	100	1.26	J	2	0.55	16.62		2	0.55	544.4		10	2.78	548.2		10	2.78	6.62		2	0.55	4.99		2	0.55	1.73	J	2	0.55	-	-	-	-	-	-	-	-	-	-	-	-
Potassium, Total	-	64200		100	30.9	121000		100	30.9	133000		500	154	130000		500	154	11600		100	30.9	45300		100	30.9	203000		100	30.9	-	-	-	-	-	-	-	-	-	-	-	-
Selenium, Total	10	2.19	J	5	1.73	4.96	J	5	1.73	66.6		25	8.65	67		25	8.65	5.55		5	1.73	1.83	J	5	1.73	ND		5	1.73	-	-	-	-	-	-	-	-	-	-	-	-
Silver, Total	50	ND		0.4	0.16	ND		0.4	0.16	1.52	J	2	0.81	1.7	J	2	0.81	ND		0.4	0.16	ND		0.4	0.16	ND		0.4	0.16	-	-	-	-	-	-	-	-	-	-	-	-
Sodium, Total	20000	56000		100	29.3	52900		100	29.3	28000		500	146	27400		500	146	23300		100	29.3	41900		100	29.3	103000		100	29.3	-	-	-	-	-	-	-	-	-	-	-	-
Thallium, Total	0.5	ND		1	0.14	0.34	J	1	0.14	4.14	J	5	0.71	4.24	J	5	0.71	0.15	J	1	0.14	0.18	J	1	0.14	ND		1	0.14	-	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Total	-	4.03	J	5	1.57	36.41		5	1.57	374		25	7.85	366.8		25	7.85	11.76		5	1.57	11.7		5	1.57	4.66	J	5	1.57	-	-	-	-	-	-	-	-	-	-	-	-
Zinc, Total	2000	6.14	J	10	3.41	54.31		10	3.41	1555		50	17.05	1523		50	17.05	21.39		10	3.41	18.66		10	3.41	3.89	J	10	3.41	-	-	-	-	-	-	-	-	-	-	-	-
GENERAL CHEMISTRY (ug/l)																																								
Cyanide, Total	200	ND		5	1	ND		5	1	2	J	5	1	2	J	5	1	2	J	5	1	ND		5	1	ND		5	1	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND = Compound was not detected
ug/l = Micrograms per liter
ng/l = Nanograms per liter
- = No AWQS established
J = Elevated detection limit due to dilution required for high interfering element

Concentration compound exceeds the AWQS
Reporting Limit for this compound exceeded the AQWS

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:													
Sample ID:		FB20231002				FB0231003				FB-20231004			
LAB ID:		L2357903-03				L2358165-01				L2358656-02			
Date Sampled:	AWQS	10/2/2023				10/3/2023				10/4/2023			
Screen Interval (ft bgs):													
Sample Matrix:		WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANICS BY GC/MS (ug/l)													
1,1,1,2-Tetrachloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,1-Trichloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,2,2-Tetrachloroethane	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
1,1,2-Trichloroethane	1	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5
1,1-Dichloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
1,1-Dichloropropene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichloropropane	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4,5-Tetramethylbenzene	5	ND		2	0.54	ND		2	0.54	ND		2	0.54
1,2,4-Trichlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	0.0006	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,2-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	0.6	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloroethene, Total	-	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloropropane	1	ND		1	0.14	ND		1	0.14	ND		1	0.14
1,3,5-Trimethylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichloropropane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichloropropene, Total	-	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,4-Dichlorobenzene	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane	-	ND		250	61	ND		250	61	ND		250	61
2,2-Dichloropropane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
2-Butanone	50	ND		5	1.9	ND		5	1.9	ND		5	1.9
2-Hexanone	50	ND		5	1	ND		5	1	ND		5	1
4-Methyl-2-pentanone	-	ND		5	1	ND		5	1	ND		5	1
Acetone	50	ND		5	1.5	ND		5	1.5	ND		5	1.5
Acrylonitrile	5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Benzene	1	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Bromobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromochloromethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	50	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
Bromoform	50	ND		2	0.65	ND		2	0.65	ND		2	0.65
Bromomethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Carbon disulfide	60	ND		5	1	ND		5	1	ND		5	1
Carbon tetrachloride	5	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
Chlorobenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroform	7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloromethane	-	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,3-Dichloropropene	0.4	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
Dibromochloromethane	50	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
Dibromomethane	5	ND		5	1	ND		5	1	ND		5	1
Dichlorodifluoromethane	5	ND		5	1	ND		5	1	ND		5	1
Ethyl ether	-	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	0.5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methylene chloride	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Diethylbenzene	-	ND		2	0.7	ND		2	0.7	ND		2	0.7
p-Ethyltoluene	-	ND		2	0.7	ND		2	0.7	ND		2	0.7
p-Isopropyltoluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p/m-Xylene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Styrene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Tetrachloroethene	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Toluene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,2-Dichloroethene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,3-Dichloropropene	0.4	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
trans-1,4-Dichloro-2-butene	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Trichlorofluoromethane	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:													
Sample ID:		FB20231002				FB0231003				FB-20231004			
LAB ID:		L2357903-03				L2358165-01				L2358656-02			
Date Sampled:	AWQS	10/2/2023				10/3/2023				10/4/2023			
Screen Interval (ft bgs):													
Sample Matrix:		WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Vinyl acetate	-	ND		5	1	ND		5	1	ND		5	1
Vinyl chloride	2	ND		1	0.07	ND		1	0.07	ND		1	0.07
Xylenes, Total	-	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Total VOCs	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILE ORGANICS BY GC/MS-TIC (ug/l)													
1-Hexanol, 2-ethyl-	-	-		-	-	-		-	-	-		-	-
Cyclohexane, methyl-	-	-		-	-	-		-	-	-		-	-
Hexanal	-	-		-	-	-		-	-	-		-	-
Indane	-	-		-	-	-		-	-	-		-	-
No Tentatively Identified Compounds	-	ND		0	0	ND		0	0	ND		0	0
Propene	-	-		-	-	-		-	-	-		-	-
Unknown	-	-		-	-	-		-	-	-		-	-
Unknown	-	-		-	-	-		-	-	-		-	-
Unknown	-	-		-	-	-		-	-	-		-	-
Unknown	-	-		-	-	-		-	-	-		-	-
Unknown	-	-		-	-	-		-	-	-		-	-
Unknown Alkane	-	-		-	-	-		-	-	-		-	-
Unknown Alkene	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic	-	-		-	-	-		-	-	-		-	-
Unknown Aromatic	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Total TIC Compounds	-	-		-	-	-		-	-	-		-	-
1,4 DIOXANE BY 8270E-SIM (ug/l)													
1,4-Dioxane	-	ND		0.144	0.033	ND		0.144	0.033	ND		0.147	0.033
PERFLUORINATED ALKYL ACIDS BY ISOTOPE DILUTION (ng/L)													
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	-	ND		0.002	0.001	ND		0.002	0.001	ND		0.002	0.001
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	-	ND		0.002	0.001	ND		0.002	0.001	ND		0.002	0.001
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	-	ND		0.002	7E-04	ND		0.002	7E-04	ND		0.002	7E-04
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	-	ND		0.002	6E-04	ND		0.002	6E-04	ND		0.002	6E-04
Perfluorobutanesulfonic Acid (PFBS)	-	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.002	2E-04
Perfluorobutanoic Acid (PFBA)	-	ND		0.002	4E-04	ND		0.002	4E-04	ND		0.002	4E-04
Perfluorodecanesulfonic Acid (PFDS)	-	ND		0.002	9E-04	ND		0.002	9E-04	ND		0.002	9E-04
Perfluorodecanoic Acid (PFDA)	-	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04
Perfluorododecanoic Acid (PFDoA)	-	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04
Perfluoroheptanesulfonic Acid (PFHpS)	-	ND		0.002	6E-04	ND		0.002	6E-04	ND		0.002	6E-04
Perfluoroheptanoic Acid (PFHpA)	-	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.002	2E-04
Perfluorohexanesulfonic Acid (PFHxS)	-	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04
Perfluorohexanoic Acid (PFHxA)	-	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04
Perfluorononanoic Acid (PFNA)	-	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04
Perfluorooctanesulfonamide (FOSA)	-	ND		0.002	5E-04	ND		0.002	5E-04	ND		0.002	5E-04
Perfluorooctanesulfonic Acid (PFOS)	0.88	ND		0.002	5E-04	ND		0.002	4E-04	ND		0.002	5E-04
Perfluorooctanoic Acid (PFOA)	0.66	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.002	2E-04
Perfluoropentanoic Acid (PFPeA)	-	ND		0.002	4E-04	ND		0.002	4E-04	ND		0.002	4E-04
Perfluorotetradecanoic Acid (PFTA)	-	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.002	2E-04
Perfluorotridecanoic Acid (PFTrDA)	-	ND		0.002	3E-04	ND		0.002	3E-04	ND		0.002	3E-04
Perfluoroundecanoic Acid (PFUnA)	-	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.002	2E-04
PFOA/PFOS, Total	-	ND		0.002	2E-04	ND		0.002	2E-04	ND		0.002	2E-04
SEMIVOLATILE ORGANICS BY GC/MS (ug/l)													
1,2,4,5-Tetrachlorobenzene	5	ND		10	0.44	ND		10	0.44	ND		10	0.44
1,2,4-Trichlorobenzene	5	ND		5	0.5	ND		5	0.5	ND		5	0.5
1,2-Dichlorobenzene	3	ND		2	0.45	ND		2	0.45	ND		2	0.45
1,3-Dichlorobenzene	3	ND		2	0.4	ND		2	0.4	ND		2	0.4
1,4-Dichlorobenzene	3	ND		2	0.43	ND		2	0.43	ND		2	0.43
2,4,5-Trichlorophenol	-	ND		5	0.77	ND		5	0.77	ND		5	0.77
2,4,6-Trichlorophenol	-	ND		5	0.61	ND		5	0.61	ND		5	0.61
2,4-Dichlorophenol	1	ND		5	0.41	ND		5	0.41	ND		5	0.41
2,4-Dimethylphenol	50	ND		5	1.8	ND		5	1.8	ND		5	1.8
2,4-Dinitrophenol	10	ND		20	6.6	ND		20	6.6	ND		20	6.6
2,4-Dinitrotoluene	5	ND		5	1.2	ND		5	1.2	ND		5	1.2
2,6-Dinitrotoluene	5	ND		5	0.93	ND		5	0.93	ND		5	0.93

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:															
Sample ID:		FB20231002				FB0231003				FB-20231004					
LAB ID:	AWQS	L2357903-03				L2358165-01				L2358656-02					
Date Sampled:		10/2/2023				10/3/2023				10/4/2023					
Screen Interval (ft bgs):															
Sample Matrix:		WATER				WATER				WATER					
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL		
2-Chlorophenol	-	ND		2	0.48	ND		2	0.48	ND		2	0.48		
2-Methylphenol	-	ND		5	0.49	ND		5	0.49	ND		5	0.49		
2-Nitroaniline	5	ND		5	0.5	ND		5	0.5	ND		5	0.5		
2-Nitrophenol		ND		10	0.85	ND		10	0.85	ND		10	0.85		
3,3'-Dichlorobenzidine	5	ND		5	1.6	ND		5	1.6	ND		5	1.6		
3-Methylphenol/4-Methylphenol	-	ND		5	0.48	ND		5	0.48	ND		5	0.48		
3-Nitroaniline	5	ND		5	0.81	ND		5	0.81	ND		5	0.81		
4,6-Dinitro-o-cresol	-	ND		10	1.8	ND		10	1.8	ND		10	1.8		
4-Bromophenyl phenyl ether	-	ND		2	0.38	ND		2	0.38	ND		2	0.38		
4-Chloroaniline	5	ND		5	1.1	ND		5	1.1	ND		5	1.1		
4-Chlorophenyl phenyl ether	-	ND		2	0.49	ND		2	0.49	ND		2	0.49		
4-Nitroaniline	5	ND		5	0.8	ND		5	0.8	ND		5	0.8		
4-Nitrophenol	-	ND		10	0.67	ND		10	0.67	ND		10	0.67		
Acetophenone	-	ND		5	0.53	ND		5	0.53	ND		5	0.53		
Benzoic Acid	-	ND		50	2.6	ND		50	2.6	ND		50	2.6		
Benzyl Alcohol	-	ND		2	0.59	ND		2	0.59	ND		2	0.59		
Biphenyl	-	ND		2	0.46	ND		2	0.46	ND		2	0.46		
Bis(2-chloroethoxy)methane	5	ND		5	0.5	ND		5	0.5	ND		5	0.5		
Bis(2-chloroethyl)ether	1	ND		2	0.5	ND		2	0.5	ND		2	0.5		
Bis(2-chloroisopropyl)ether	5	ND		2	0.53	ND		2	0.53	ND		2	0.53		
Bis(2-ethylhexyl)phthalate	5	ND		3	1.5	ND		3	1.5	ND		3	1.5		
Butyl benzyl phthalate	50	ND		5	1.2	ND		5	1.2	ND		5	1.2		
Carbazole	-	ND		2	0.49	ND		2	0.49	ND		2	0.49		
Di-n-butylphthalate	50	ND		5	0.39	ND		5	0.39	ND		5	0.39		
Di-n-octylphthalate	50	ND		5	1.3	ND		5	1.3	ND		5	1.3		
Dibenzofuran	-	ND		2	0.5	ND		2	0.5	ND		2	0.5		
Diethyl phthalate	50	ND		5	0.38	ND		5	0.38	ND		5	0.38		
Dimethyl phthalate	50	ND		5	1.8	ND		5	1.8	ND		5	1.8		
Hexachlorocyclopentadiene	5	ND		20	0.69	ND		20	0.69	ND		20	0.69		
Isophorone	50	ND		5	1.2	ND		5	1.2	ND		5	1.2		
n-Nitrosodi-n-propylamine	-	ND		5	0.64	ND		5	0.64	ND		5	0.64		
NDPA/DPA	50	ND		2	0.42	ND		2	0.42	ND		2	0.42		
Nitrobenzene	0.4	ND		2	0.77	ND		2	0.77	ND		2	0.77		
p-Chloro-m-cresol	-	ND		2	0.35	ND		2	0.35	ND		2	0.35		
Phenol	1	ND		5	0.57	ND		5	0.57	ND		5	0.57		
Total SVOCs	-	-	-	-	-	-	-	-	-	-	-	-	-		
SEMIVOLATILE ORGANICS BY GC/MS-SIM (ug/l)															
2-Chloronaphthalene	10	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02		
2-Methylnaphthalene	-	0.03	J	0.1	0.02	0.04	J	0.1	0.02	0.03	J	0.1	0.02		
Acenaphthene	20	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01		
Acenaphthylene	-	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01		
Anthracene	50	0.02	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01		
Benzo(a)anthracene	0.002	0.02	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02		
Benzo(a)pyrene	0	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02		
Benzo(b)fluoranthene	0.002	ND		0.1	0.01	ND		0.1	0.01	0.01	J	0.1	0.01		
Benzo(ghi)perylene	-	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01		
Benzo(k)fluoranthene	0.002	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01		
Chrysene	0.002	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01		
Dibenzo(a,h)anthracene	-	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01		
Fluoranthene	50	0.03	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02		
Fluorene	50	0.02	J	0.1	0.01	0.02	J	0.1	0.01	ND		0.1	0.01		
Hexachlorobenzene	0.04	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01		
Hexachlorobutadiene	0.5	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05		
Hexachloroethane	5	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06		
Indeno(1,2,3-cd)pyrene	0.002	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01		
Naphthalene	10	ND		0.1	0.05	ND		0.1	0.05	ND		0.1	0.05		
Pentachlorophenol	1	ND		0.8	0.01	0.06	J	0.8	0.01	ND		0.8	0.01		
Phenanthrene	50	0.04	J	0.1	0.02	ND		0.1	0.02	0.03	J	0.1	0.02		
Pyrene	50	0.03	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02		
Total SVOCs		0.19	-	-	-	0.12	-	-	-	0.07	-	-	-		
SEMIVOLATILE ORGANICS BY GC/MS-TIC ug/l															
Butyl citrate	-	-		-	-	-		-	-	-		-	-		
Toluene	-	-		-	-	-		-	-	-		-	-		
Unknown	-	-		-	-	7.71	J	0	0	-		-	-		
Unknown	-	-		-	-	6.8	J	0	0	-		-	-		
Unknown	-	-		-	-	8.69	J	0	0	-		-	-		
Unknown	-	-		-	-	19.3	J	0	0	-		-	-		
Unknown	-	-		-	-	7.74	J	0	0	-		-	-		
Unknown	-	-		-	-	14.3	J	0	0	-		-	-		
Unknown	-	1.64	J	0	0	7.49	J	0	0	-		-	-		
Unknown	-	1.71	J	0	0	6.29	J	0	0	-		-	-		
Unknown	-	3.53	J	0	0	6.51	J	0	0	-		-	-		
Unknown	-	1.53	J	0	0	12.4	J	0	0	-		-	-		

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:													
Sample ID:		FB20231002				FB0231003				FB-20231004			
LAB ID:	AWQS	L2357903-03				L2358165-01				L2358656-02			
Date Sampled:		10/2/2023				10/3/2023				10/4/2023			
Screen Interval (ft bgs):													
Sample Matrix:		WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Unknown	-	2.18	J	0	0	6.44	J	0	0	-		-	-
Unknown	-	-	-	-	-	-	-	-	-	2.11	J	0	0
Unknown Alcohol	-	-		-	-	-		-	-	-		-	-
Unknown Alkane	-	-		-	-	-		-	-	-		-	-
Unknown Amide	-	2.91	J	0	0	6.14	J	0	0	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Benzene	-	-		-	-	-		-	-	-		-	-
Unknown Ketone	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid	-	8.69	J	0	0	6.4	J	0	0	10.4	J	0	0
Unknown Organic Acid	-	12.8	J	0	0	39.8	J	0	0	22	J	0	0
Unknown Organic Acid	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid	-	-		-	-	-		-	-	-		-	-
Unknown Organic Acid	-	-		-	-	-		-	-	-		-	-
Unknown Siloxane	-	-	-	-	-	7.49	J	0	0	-		-	-
Total TIC Compounds	-	35	J	0	0	164	J	0	0	34.5	J	0	0
ORGANOCHLORINE PESTICIDES BY GC (ug/l)													
4,4'-DDD	0.3	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003
4,4'-DDE	0.2	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003
4,4'-DDT	0.2	0.036	IP	0.029	0.003	ND		0.029	0.003	ND		0.029	0.003
Aldrin	0	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002
Alpha-BHC	0.01	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003
Beta-BHC	0.04	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004
Chlordane	0.05	ND		0.143	0.033	ND		0.143	0.033	ND		0.143	0.033
cis-Chlordane		ND		0.014	0.005	ND		0.014	0.005	ND		0.014	0.005
Delta-BHC	0.04	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003
Dieldrin	0.004	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003
Endosulfan I	-	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002
Endosulfan II	-	ND		0.029	0.004	ND		0.029	0.004	ND		0.029	0.004
Endosulfan sulfate	-	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003
Endrin	0	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003
Endrin aldehyde	5	ND		0.029	0.006	ND		0.029	0.006	ND		0.029	0.006
Endrin ketone	5	ND		0.029	0.003	ND		0.029	0.003	ND		0.029	0.003
Heptachlor	0.04	ND		0.014	0.002	ND		0.014	0.002	ND		0.014	0.002
Heptachlor epoxide	0.03	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003
Lindane	0.05	ND		0.014	0.003	ND		0.014	0.003	ND		0.014	0.003
Methoxychlor	35	ND		0.143	0.005	ND		0.143	0.005	ND		0.143	0.005
Toxaphene	0.06	ND		0.143	0.045	ND		0.143	0.045	ND		0.143	0.045
trans-Chlordane	-	ND		0.014	0.004	ND		0.014	0.004	ND		0.014	0.004

Table 5.3 Remedial Investigation Groundwater Analytical Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Monitoring Well ID:													
Sample ID:		FB20231002				FB0231003				FB-20231004			
LAB ID:	AWQS	L2357903-03				L2358165-01				L2358656-02			
Date Sampled:		10/2/2023				10/3/2023				10/4/2023			
Screen Interval (ft bgs):													
Sample Matrix:		WATER				WATER				WATER			
		Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
POLYCHLORINATED BIPHENYLS BY GC (ug/l)													
Aroclor 1016	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1221	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1232	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1242	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1248	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1254	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1260	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1262	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
Aroclor 1268	0.09	ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
PCBs, Total		ND		0.071	0.061	ND		0.071	0.061	ND		0.071	0.061
TOTAL METALS (ug/l)													
Aluminum, Total	-	ND		10	3.27	14.4		10	3.27	ND		10	3.27
Antimony, Total	3	ND		4	0.42	ND		4	0.42	ND		4	0.42
Arsenic, Total	25	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Barium, Total	1000	0.29	J	0.5	0.17	0.7		0.5	0.17	0.49	J	0.5	0.17
Beryllium, Total	3	ND		0.5	0.1	ND		0.5	0.1	ND		0.5	0.1
Cadmium, Total	5	ND		0.2	0.05	ND		0.2	0.05	ND		0.2	0.05
Calcium, Total	-	ND		100	39.4	358		100	39.4	59	J	100	39.4
Chromium, Total	50	ND		1	0.17	0.24	J	1	0.17	0.23	J	1	0.17
Cobalt, Total	-	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Copper, Total	200	ND		1	0.38	0.57	J	1	0.38	ND		1	0.38
Iron, Total	300	ND		50	19.1	20.7	J	50	19.1	ND		50	19.1
Lead, Total	25	ND		1	0.34	ND		1	0.34	ND		1	0.34
Magnesium, Total	35000	ND		70	24.2	ND		70	24.2	ND		70	24.2
Manganese, Total	300	ND		1	0.44	0.45	J	1	0.44	ND		1	0.44
Mercury, Total	0.7	ND		0.2	0.09	ND		0.2	0.09	ND		0.2	0.09
Nickel, Total	100	ND		2	0.55	ND		2	0.55	ND		2	0.55
Potassium, Total	-	ND		100	30.9	73.5	J	100	30.9	64.3	J	100	30.9
Selenium, Total	10	ND		5	1.73	ND		5	1.73	ND		5	1.73
Silver, Total	50	ND		0.4	0.16	ND		0.4	0.16	ND		0.4	0.16
Sodium, Total	20000	842		100	29.3	3960		100	29.3	186		100	29.3
Thallium, Total	0.5	ND		1	0.14	ND		1	0.14	ND		1	0.14
Vanadium, Total	-	ND		5	1.57	ND		5	1.57	ND		5	1.57
Zinc, Total	2000	ND		10	3.41	21.37		10	3.41	ND		10	3.41
GENERAL CHEMISTRY (ug/l)													
Cyanide, Total	200	ND		5	1	2	J	5	1	1	J	5	1

Notes:
NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ND = Compound was not detected
ug/l = Micrograms per liter
ng/l = Nanograms per liter
- = No AWQS established
J = Elevated detection limit due to dilution required for high interfering element

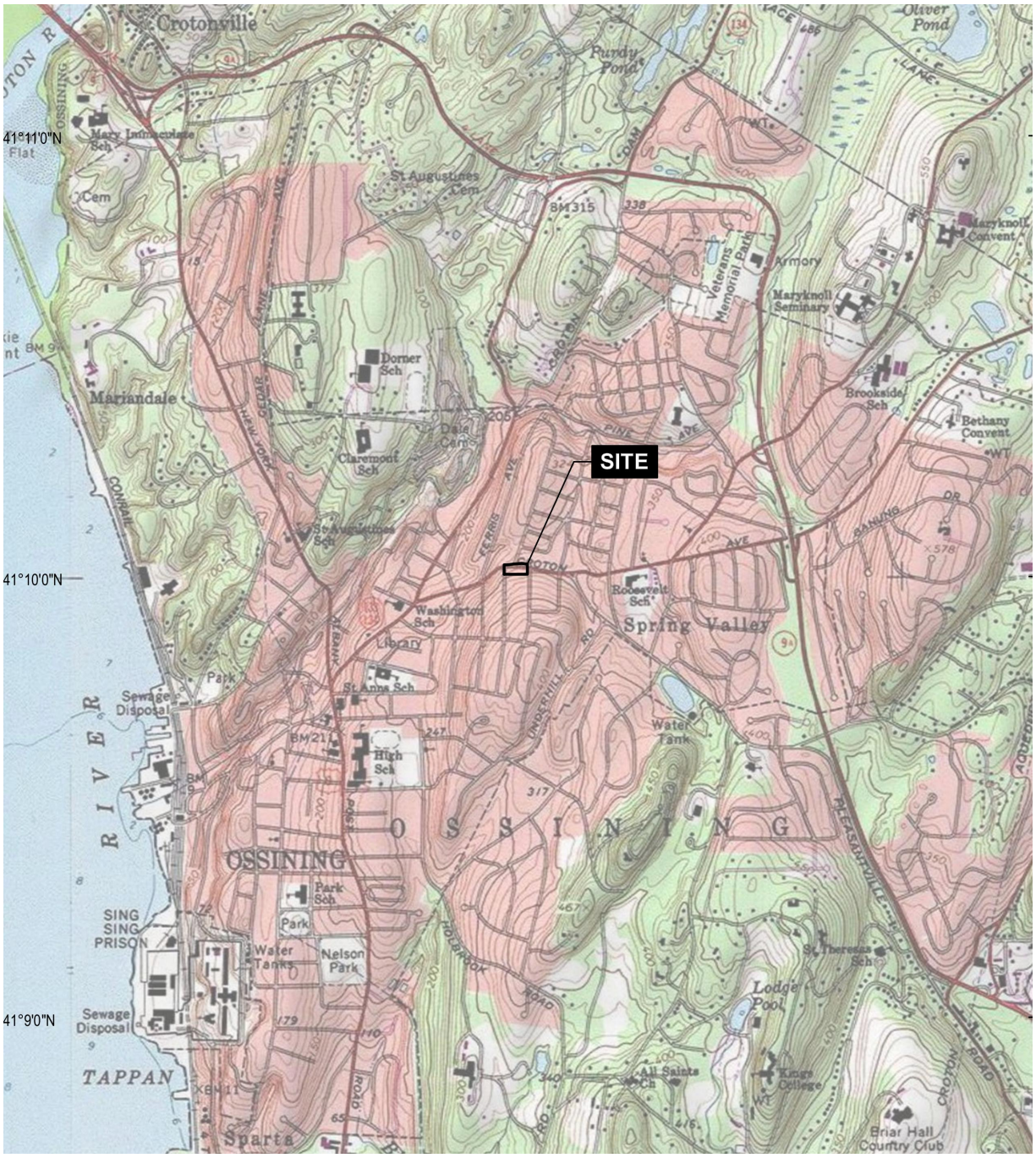
Concentration compound exceeds the AWQS
Reporting Limit for this compound exceeded the AQWS

Table 5.5 RI Soil Gas and Ambient Air Sample Results Summary
Sun Valley Nursery Filling Station Site
Project No. 12060
SESI Consulting Engineers

Client Sample ID:	RI-AMB-01	RI-AA-02	RI-SV-01	RI-SV-02	RI-SV-03	RI-SV-04	RI-SV-05	RI-SV-06	RI-SV-07	RI-SV-08	RI-SV-09
Lab Sample ID:	L2355494-03	JD87013-9	JD87013-1	JD87013-2	JD87013-3	JD87013-4	JD87013-5	L2355494-01	JD87013-6	JD87013-7	JD87013-8
Date Sampled:	9/21/2023	4/22/2024	4/22/2024	4/22/2024	4/22/2024	4/22/2024	4/22/2024	9/21/2023	4/22/2024	4/22/2024	4/22/2024
Matrix:	Ambient Air	Ambient Air	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor
Volatiles (TO-15) (ug/m3)											
1,1,1-Trichloroethane	ND	ND (2.2)	ND (10000)	ND (1100)	ND (2.2)	ND (2.2)	ND (4.4)	ND	ND (44)	ND (4.4)	ND (4.4)
1,1,2,2-Tetrachloroethane	ND	ND (2.7)	ND (13000)	ND (1400)	ND (2.7)	ND (2.7)	ND (5.5)	ND	ND (55)	ND (5.5)	ND (5.5)
1,1,2-Trichloroethane	ND	ND (2.2)	ND (10000)	ND (1100)	ND (2.2)	ND (2.2)	ND (4.4)	ND	ND (44)	ND (4.4)	ND (4.4)
1,1-Dichloroethane	ND	ND (3.2)	ND (15000)	ND (1700)	ND (3.2)	ND (3.2)	ND (6.5)	ND	ND (65)	ND (6.5)	ND (6.5)
1,1-Dichloroethene	ND	ND (0.63)	ND (3000)	ND (340)	ND (0.63)	ND (0.63)	ND (1.3)	ND	ND (13)	ND (1.3)	ND (1.3)
1,2,4-Trichlorobenzene	ND	ND (3.0)	ND (14000)	ND (1600)	ND (3.0)	ND (3.0)	ND (5.9)	ND	ND (59)	ND (5.9)	ND (5.9)
1,2,4-Trimethylbenzene	ND	ND (3.9)	30800	11000	ND (3.9)	116	29	ND	1040	654	34
1,2-Dibromoethane	ND	ND (3.1)	ND (15000)	ND (1600)	ND (3.1)	ND (3.1)	ND (6.1)	ND	ND (61)	ND (6.1)	ND (6.1)
1,2-Dichlorobenzene	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
1,2-Dichloroethane	ND	ND (3.2)	ND (15000)	ND (1700)	ND (3.2)	ND (3.2)	ND (6.5)	ND	ND (65)	ND (6.5)	ND (6.5)
1,2-Dichloropropane	ND	ND (3.7)	ND (18000)	ND (2000)	ND (3.7)	ND (3.7)	ND (7.4)	ND	ND (74)	ND (7.4)	ND (7.4)
1,3,5-Trimethylbenzene	ND	ND (3.9)	14800 J	6100	ND (3.9)	42	7.9	231	390	266	8.8
1,3-Butadiene	ND	ND (1.8)	ND (8400)	ND (950)	ND (1.8)	5.1	88.9	ND	ND (35)	13	47.3
1,3-Dichlorobenzene	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
1,4-Dichlorobenzene	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
1,4-Dioxane	ND	ND (2.9)	ND (14000)	ND (1500)	ND (2.9)	ND (2.9)	ND (5.8)	ND	ND (58)	ND (5.8)	ND (5.8)
2,2,4-Trimethylpentane	ND	ND (3.7)	761000	1690000	ND (3.7)	133	4.2 J	1010	1370	682	4.1 J
2-Butanone	ND	NA	NA	NA	NA	NA	NA	908	NA	NA	NA
2-Chlorotoluene	NA	ND (4.1)	ND (20000)	ND (2200)	ND (4.1)	ND (4.1)	ND (8.3)	NA	ND (83)	ND (8.3)	ND (8.3)
2-Hexanone	ND	ND (3.3)	ND (16000)	ND (1800)	ND (3.3)	ND (3.3)	ND (6.5)	ND	ND (65)	ND (6.5)	ND (6.5)
3-Chloropropene	ND	ND (2.5)	ND (12000)	ND (1300)	ND (2.5)	ND (2.5)	ND (5.0)	ND	ND (50)	ND (5.0)	ND (5.0)
4-Ethyltoluene	ND	ND (3.9)	19500	4890	ND (3.9)	45	8.8	ND	445	241	11
4-Methyl-2-pentanone	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Acetone	13.6	7.1	ND (9000)	ND (1000)	7.4	96.7	261	337	179	113	210
Benzene	ND	ND (2.6)	696000	27600	ND (2.6)	8.3	20	11.9	866	48.9	15
Benzyl chloride	ND	ND (4.1)	ND (20000)	ND (2200)	ND (4.1)	ND (4.1)	ND (8.2)	ND	ND (82)	ND (8.2)	ND (8.2)
Bromodichloromethane	ND	ND (2.7)	ND (13000)	ND (1400)	ND (2.7)	ND (2.7)	ND (5.4)	ND	ND (54)	ND (5.4)	ND (5.4)
Bromoethene	NA	ND (3.5)	ND (17000)	ND (1900)	ND (3.5)	ND (3.5)	ND (7.0)	NA	ND (70)	ND (7.0)	ND (7.0)
Bromoform	ND	ND (1.7)	ND (7900)	ND (880)	ND (1.7)	ND (1.7)	ND (3.3)	ND	ND (33)	ND (3.3)	ND (3.3)
Bromomethane	ND	ND (3.1)	ND (15000)	ND (1700)	ND (3.1)	ND (3.1)	ND (6.2)	ND	ND (62)	ND (6.2)	ND (6.2)
Carbon disulfide	ND	ND (2.5)	ND (12000)	ND (1300)	ND (2.5)	6.5	12	32.7	ND (50)	3.7 J	9.7
Carbon tetrachloride	ND	ND (1.0)	ND (4800)	ND (530)	ND (1.0)	ND (1.0)	ND (2.0)	ND	ND (20)	ND (2.0)	ND (2.0)
Chlorobenzene	ND	ND (3.7)	ND (18000)	ND (2000)	ND (3.7)	ND (3.7)	ND (7.4)	ND	ND (74)	ND (7.4)	ND (7.4)
Chloroethane	ND	ND (2.1)	ND (10000)	ND (1100)	ND (2.1)	ND (2.1)	ND (4.2)	ND	ND (42)	ND (4.2)	ND (4.2)
Chloroform	ND	ND (3.9)	ND (19000)	ND (2100)	ND (3.9)	ND (3.9)	ND (7.8)	ND	ND (78)	ND (7.8)	ND (7.8)
Chloromethane	1.09	1.3 J	ND (7800)	ND (890)	1.4 J	ND (1.7)	ND (3.3)	ND	ND (33)	ND (3.3)	ND (3.3)
cis-1,2-Dichloroethene	ND	6.7	ND (3000)	ND (340)	ND (0.63)	ND (0.63)	ND (1.3)	ND	ND (13)	ND (1.3)	ND (1.3)
cis-1,3-Dichloropropene	ND	ND (3.6)	ND (17000)	ND (2000)	ND (3.6)	ND (3.6)	ND (7.3)	ND	ND (73)	ND (7.3)	ND (7.3)
Cyclohexane	ND	ND (2.8)	297000	186000	ND (2.8)	37.2	3.1 J	ND	441	75.7	2.9 J
Dibromochloromethane	ND	ND (3.4)	ND (16000)	ND (1800)	ND (3.4)	ND (3.4)	ND (6.8)	ND	ND (68)	ND (6.8)	ND (6.8)
Dichlorodifluoromethane	1.69	ND (4.0)	ND (19000)	ND (2100)	ND (4.0)	ND (4.0)	ND (7.9)	ND	ND (79)	ND (7.9)	ND (7.9)
Ethanol	30.7	63.3	ND (18000)	ND (2100)	36.7	34.1	28.1	ND	78.2	32.4	65
Ethyl Acetate	ND	15	ND (14000)	ND (1500)	3.6	21	10	ND	ND (58)	13	14
Ethylbenzene	ND	ND (3.5)	439000	16100	ND (3.5)	96.9	28	65.2	1970	469	730
Freon-113	ND	ND (3.1)	ND (15000)	ND (1600)	ND (3.1)	ND (3.1)	ND (6.1)	ND	ND (61)	ND (6.1)	ND (6.1)
Freon-114	ND	ND (2.8)	ND (13000)	ND (1500)	ND (2.8)	ND (2.8)	ND (5.6)	ND	ND (56)	ND (5.6)	ND (5.6)
Heptane	ND	ND (3.3)	1850000	307000	ND (3.3)	72.1	21	52	4710	463	24
Hexachlorobutadiene	ND	ND (3.8)	ND (18000)	ND (2000)	ND (3.8)	ND (3.8)	ND (7.7)	ND	ND (77)	ND (7.7)	ND (7.7)
Isopropanol	ND	7.1	ND (9300)	ND (1100)	3.2	ND (2.0)	4.4	ND	ND (39)	ND (3.9)	ND (3.9)
Methyl tert butyl ether	ND	ND (2.9)	ND (14000)	ND (1600)	ND (2.9)	ND (2.9)	ND (5.8)	ND	ND (58)	ND (5.8)	ND (5.8)
Methyl ethyl ketone	NA	ND (2.4)	ND (11000)	ND (1300)	ND (2.4)	12	8.8	NA	ND (47)	6.2	8.3
Methyl Isobutyl Ketone	NA	ND (3.3)	ND (16000)	5530	ND (3.3)	4.1	ND (6.6)	NA	39 J	10	4 J
Methylene chloride	ND	ND (2.8)	ND (13000)	ND (1500)	ND (2.8)	ND (2.8)	ND (5.6)	ND	ND (56)	ND (5.6)	ND (5.6)
Methylmethacrylate	NA	ND (3.3)	ND (16000)	ND (1800)	ND (3.3)	ND (3.3)	ND (6.6)	NA	ND (66)	ND (6.6)	ND (6.6)
n-Hexane	2.66	ND (2.8)	1740000	701000	ND (2.8)	32	31	9.45	1350	149	21
o-Xylene	ND	ND (3.5)	296000	25700	ND (3.5)	149	31	11.9	2030	769	682
p/m-Xylene	1.75	ND (3.5)	1070000	66900	ND (3.5)	382	93.4	20.6	6040	1880	2440
m-Dichlorobenzene	NA	ND (2.4)	ND (11000)	ND (1300)	ND (2.4)	ND (2.4)	ND (4.8)	NA	ND (48)	ND (4.8)	ND (4.8)
o-Dichlorobenzene	NA	ND (0.96)	ND (4600)	ND (510)	ND (0.96)	ND (0.96)	ND (1.9)	NA	ND (19)	ND (1.9)	ND (1.9)
p-Dichlorobenzene	NA	ND (2.4)	ND (11000)	ND (1300)	ND (2.4)	ND (2.4)	ND (4.8)	NA	ND (48)	ND (4.8)	ND (4.8)
Propylene	NA	ND (3.4)	ND (16000)	967 J	8.6	37.4	895	NA	82.6	94.7	376
Styrene	ND	ND (3.4)	ND (16000)	ND (1800)	ND (3.4)	5.1	ND (6.8)	ND	ND (68)	8.5	ND (6.8)
Tertiary butyl Alcohol	NA	ND (2.4)	ND (12000)	ND (1300)	ND (2.4)	2.8	7	45.2	ND (49)	2.6 J	3.3 J
Tetrachloroethene	ND	ND (1.1)	ND (5200)	ND (580)	ND (1.1)	ND (1.1)	ND (2.2)	ND	ND (22)	ND (2.2)	ND (2.2)
Tetrahydrofuran	ND	ND (2.4)	ND (11000)	ND (1300)	ND (2.4)	3.5	ND (4.7)	ND	ND (47)	ND (4.7)	ND (4.7)
Toluene	1.99	ND (3.0)	5620000	13100	ND (3.0)	89.7	61.4	16.4	10800	946	69
trans-1,2-Dichloroethene	ND	ND (3.2)	ND (15000)	ND (1700)	ND (3.2)	ND (3.2)	ND (6.3)	ND	ND (63)	ND (6.3)	ND (6.3)
trans-1,3-Dichloropropene	ND	ND (3.6)	ND (17000)	ND (2000)	ND (3.6)	ND (3.6)	ND (7.3)	ND	ND (73)	ND (7.3)	ND (7.3)
Trichloroethene	ND	1.9	ND (4100)	ND (460)	ND (0.86)	ND (0.86)	ND (1.7)	ND	ND (17)	4.5	ND (1.7)
Trichlorofluoromethane	ND	ND (2.2)	ND (11000)	ND (1200)	ND (2.2)	ND (2.2)	ND (4.5)	ND	ND (45)	ND (4.5)	ND (4.5)
Vinyl Acetate	NA	ND (2.8)	ND (13000)	ND (1500)	ND (2.8)	ND (2.8)	ND (5.6)	NA	ND (56)	ND (5.6)	ND (5.6)
Vinyl bromide	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA
Vinyl chloride	ND	3.3	ND (1900)	ND (220)	ND (0.41)	ND (0.41)	ND (0.82)	ND	ND (8.2)	ND (0.82)	ND (0.82)
Xylenes (total)	NA	ND (3.5)	1370000	92600	ND (3.5)	531	124	NA	8070	2650	3120

Notes:
ND - compound not detected
ug/m3 - micrograms per cubic meter
J = Estimated
NA = Not Analyzed

Figures



REFERENCE:
HISTORICAL TOPOGRAPHICAL MAP TAKEN FROM HALEY ALDRICH, MAP DATED SEPTEMBER 2020.





Scale 1"=2000'

0 2000 4000

REMEDIAL INVESTIGATION REPORT
136-140 CROTON AVENUE
OSSINING, NEW YORK 10652

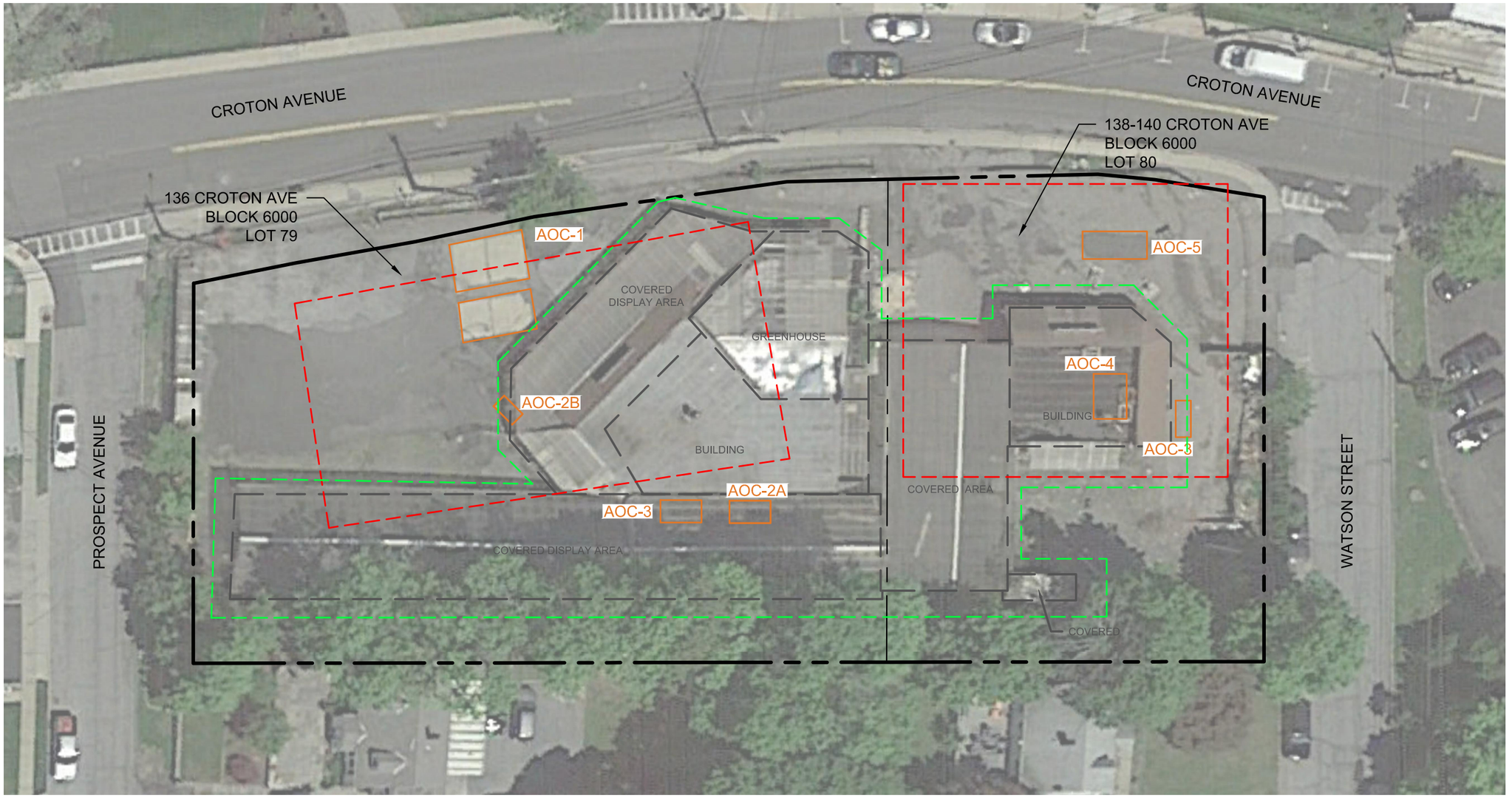
SITE LOCATION MAP

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

FIG-1.1

DRAWN BY: aas
CHECKED BY: CCM
SCALE: AS NOTED
DATE: 08/30/2021
JOB NO.: 12060

N:\ACAD\12060\CAD\PHASE II\12060 – FIG-1.1 – SITE LOCATION MAP.DWG 10/29/21 12:18:29PM, aas, LAYOUT:FIG-1.1



NOTE:
1. BUILDING LINES DEPICT FORMER FEATURES. SITE CURRENTLY VACANT.
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 IDENTIFIED IN 2017.

LEGEND:
- SITE BOUNDARY
- FORMER BUILDING OUTLINE
- APPROX. LOCATION OF AOC
- APPROXIMATE LOCATION OF REC-1
- APPROXIMATE LOCATION OF REC-2

AREA OF CONCERN (AOC) LEGEND:
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

RECOGNIZED ENVIRONMENTAL CONDITIONS (REC) LEGEND:
REC-1 - FORMER GASOLINE STATION AND AUTOMOBILE REPAIR GARAGE
REC-2 - FORMER NURSERY OPERATIONS
REC-3 - FORMER POTENTIAL UST's AND/OR AST's (SITE-WIDE)
REC-4 - HISTORICAL SPILL #9613901 (NOT DEPICTED)

Scale 1"=30'
0 30 60

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

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

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

dwg by: aas
chk by: DA
scale: AS NOTED
date: 11/11/2021

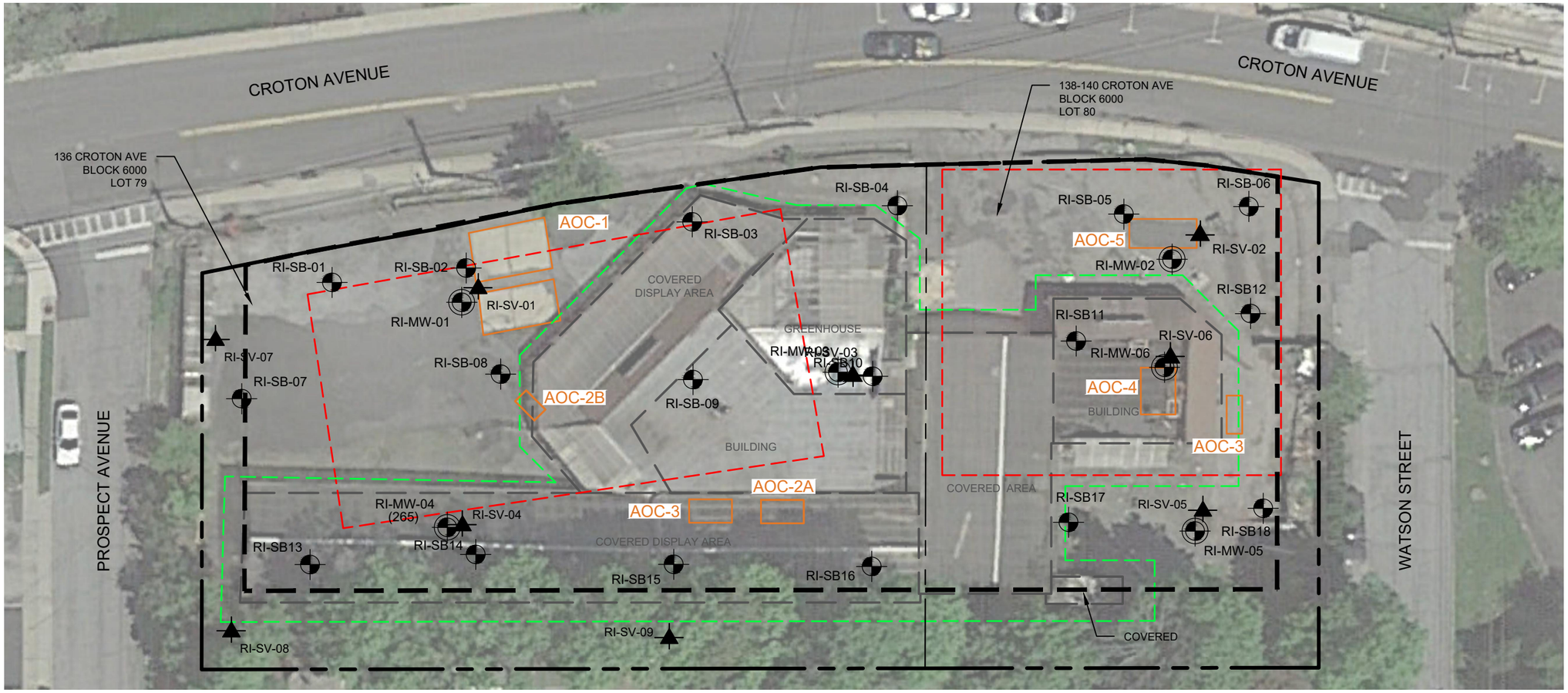
REMEDIAL INVESTIGATION WORKPLAN
136-140 CROTON AVENUE
OSSINING, NEW YORK 10652

SITE PLAN & REC/AOC LOCATION MAP

job no: 12060
drawing no:

FIG-2.1

N:\ACAD\12060\CAD\PHASE II\12060 – FIG-1.3 – SITE PLAN & REC-AOC LOCATION MAP.DWG 11/12/21 01:34:34PM, aas, LAYOUT:FIG-1.3



NOTE:
1. THIS PLAN IS FOR LOCATING SOIL BORINGS, MONITORING WELLS, SOIL VAPOR BORINGS AND AMBIENT AIR LOCATIONS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. BUILDING LINES DEPICT FORMER FEATURES. SITE CURRENTLY VACANT.

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

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LEGEND:

- SITE BOUNDARY
- FORMER BUILDING OUTLINE
- RI-SB-01 - RI SOIL BORING NUMBER AND APPROX. LOCATION
- RI-MW-04 - RI MONITORING WELL NUMBER AND APPROX. LOCATION
- RI-SV-06 - RI SOIL VAPOR NUMBER AND APPROX. LOCATION
- APPROXIMATE LOCATION OF AOC
- APPROXIMATE LOCATION OF REC-1
- APPROXIMATE LOCATION OF REC-2

AREA OF CONCERN (AOC) LEGEND:
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

RECOGNIZED ENVIRONMENTAL CONDITIONS (REC) LEGEND:
REC-1 - FORMER GASOLINE STATION AND AUTOMOBILE REPAIR GARAGE
REC-2 - FORMER NURSERY OPERATIONS
REC-3 - FORMER POTENTIAL UST's AND/OR AST's (SITE-WIDE)
REC-4 - HISTORICAL SPILL #9613901 (NOT DEPICTED)

Scale 1"=30'
0 30 60

dwg by: AW
chk by: AF
scale: AS NOTED
date: 10/12/2023

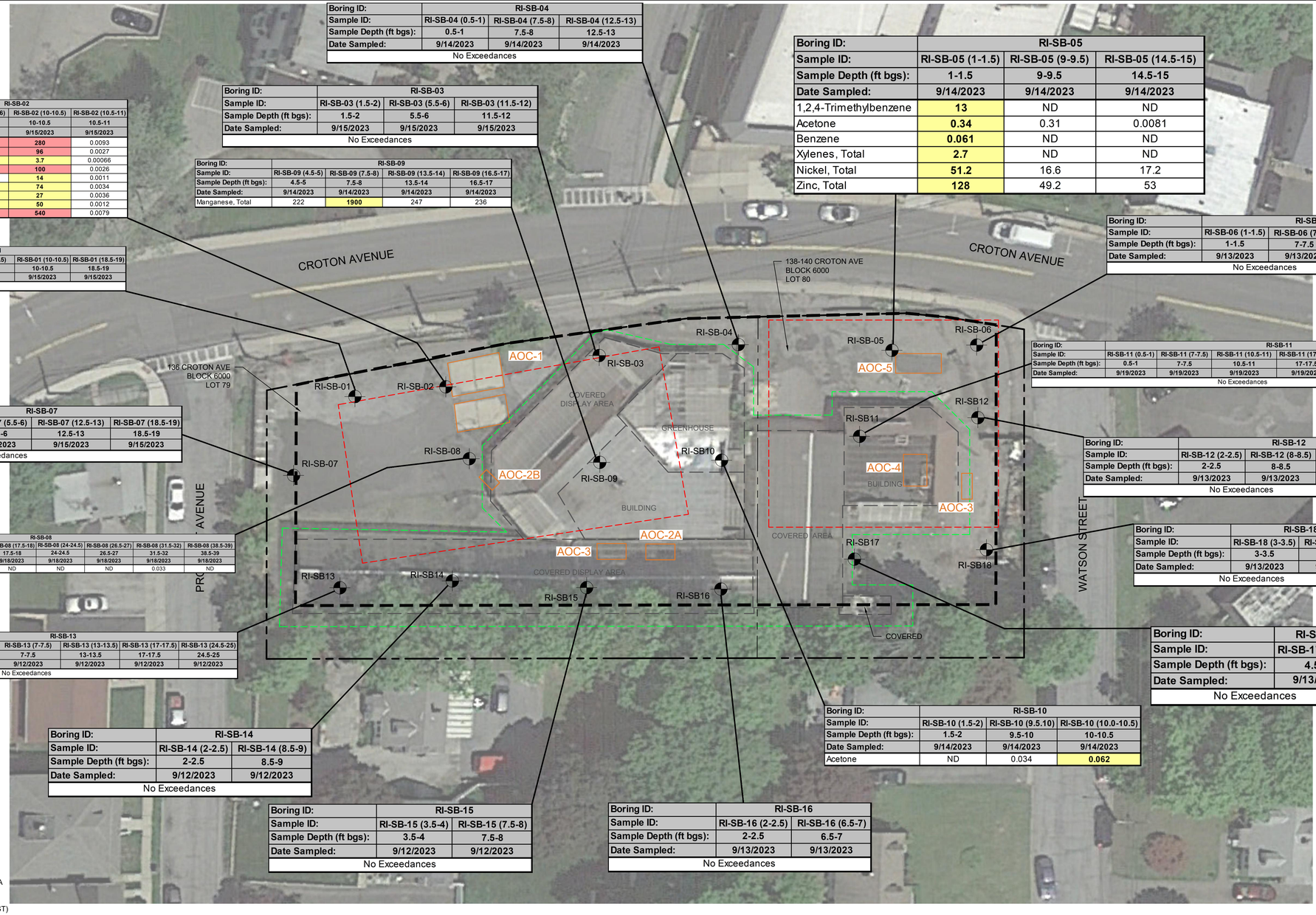
SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

project: REMEDIAL INVESTIGATION REPORT
136-140 CROTON AVENUE
OSSINING, NEW YORK 10652

title: SAMPLE LOCATION PLAN

job no: 12060
drawing no: FIG-2.2

N:\ACAD\12060\CAD\PHASE II\12060.DWG_SAMPLE_LOCATION_PLAN.DWG 08/26/24 03:40:42PM, pinnacle, LAYOUT:FIG-2.2



Boring ID:	RI-SB-02			
Sample ID:	RI-SB-02 (4.5-5)	RI-SB-02 (5.5-6)	RI-SB-02 (10-10.5)	RI-SB-02 (10.5-11)
Sample Depth (ft bgs):	4.5-5	5.5-6	10-10.5	10.5-11
Date Sampled:	9/15/2023	9/15/2023	9/15/2023	9/15/2023
1,2,4-Trimethylbenzene	41	220	280	0.0093
1,3,5-Trimethylbenzene	12	56	96	0.0027
Benzene	0.094	2.2	3.7	0.00066
Ethylbenzene	10	67	100	0.0026
n-Butylbenzene	3.3	8.3	14	0.0011
n-Propylbenzene	11	42	74	0.0034
Naphthalene	5.1	14	27	0.0036
Toluene	3.6	31	50	0.0012
Xylenes, Total	36	420	540	0.0079

Boring ID:	RI-SB-01				
Sample ID:	RI-SB-01 (2.5-3)	DUP20230915	RI-SB-01 (9-9.5)	RI-SB-01 (10-10.5)	RI-SB-01 (18.5-19)
Sample Depth (ft bgs):	2.5-3	2.5-3	9-9.5	10-10.5	18.5-19
Date Sampled:	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
No Exceedances					

Boring ID:	RI-SB-07			
Sample ID:	RI-SB-07 (4.5-5)	RI-SB-07 (5.5-6)	RI-SB-07 (12.5-13)	RI-SB-07 (18.5-19)
Sample Depth (ft bgs):	4.5-5	5.5-6	12.5-13	18.5-19
Date Sampled:	9/15/2023	9/15/2023	9/15/2023	9/15/2023
No Exceedances				

Boring ID:	RI-SB-08							
Sample ID:	RI-SB-08 (2.5-3)	RI-SB-08 (7-7.5)	RI-SB-08 (10.5-11)	RI-SB-08 (17.5-18)	RI-SB-08 (24-24.5)	RI-SB-08 (26.5-27)	RI-SB-08 (31.5-32)	RI-SB-08 (38.5-39)
Sample Depth (ft bgs):	2.5-3	7-7.5	10.5-11	17.5-18	24-24.5	26.5-27	31.5-32	38.5-39
Date Sampled:	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023
Benzene	0.38	0.001	0.058	ND	ND	ND	0.033	ND

Boring ID:	RI-SB-13					
Sample ID:	RI-SB-13 (3-3.5)	DUP-20230912	RI-SB-13 (7-7.5)	RI-SB-13 (13-13.5)	RI-SB-13 (17-17.5)	RI-SB-13 (24.5-25)
Sample Depth (ft bgs):	3-3.5	3-3.5	7-7.5	13-13.5	17-17.5	24.5-25
Date Sampled:	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/12/2023
No Exceedances						

Boring ID:	RI-SB-14	
Sample ID:	RI-SB-14 (2-2.5)	RI-SB-14 (8.5-9)
Sample Depth (ft bgs):	2-2.5	8.5-9
Date Sampled:	9/12/2023	9/12/2023
No Exceedances		

Boring ID:	RI-SB-15	
Sample ID:	RI-SB-15 (3.5-4)	RI-SB-15 (7.5-8)
Sample Depth (ft bgs):	3.5-4	7.5-8
Date Sampled:	9/12/2023	9/12/2023
No Exceedances		

Boring ID:	RI-SB-16	
Sample ID:	RI-SB-16 (2-2.5)	RI-SB-16 (6.5-7)
Sample Depth (ft bgs):	2-2.5	6.5-7
Date Sampled:	9/13/2023	9/13/2023
No Exceedances		

Boring ID:	RI-SB-03		
Sample ID:	RI-SB-03 (1.5-2)	RI-SB-03 (5.5-6)	RI-SB-03 (11.5-12)
Sample Depth (ft bgs):	1.5-2	5.5-6	11.5-12
Date Sampled:	9/15/2023	9/15/2023	9/15/2023
No Exceedances			

Boring ID:	RI-SB-09			
Sample ID:	RI-SB-09 (4.5-5)	RI-SB-09 (7.5-8)	RI-SB-09 (13.5-14)	RI-SB-09 (16.5-17)
Sample Depth (ft bgs):	4.5-5	7.5-8	13.5-14	16.5-17
Date Sampled:	9/14/2023	9/14/2023	9/14/2023	9/14/2023
Manganese, Total	222	1900	247	236

Boring ID:	RI-SB-04		
Sample ID:	RI-SB-04 (0.5-1)	RI-SB-04 (7.5-8)	RI-SB-04 (12.5-13)
Sample Depth (ft bgs):	0.5-1	7.5-8	12.5-13
Date Sampled:	9/14/2023	9/14/2023	9/14/2023
No Exceedances			

Boring ID:	RI-SB-05		
Sample ID:	RI-SB-05 (1-1.5)	RI-SB-05 (9-9.5)	RI-SB-05 (14.5-15)
Sample Depth (ft bgs):	1-1.5	9-9.5	14.5-15
Date Sampled:	9/14/2023	9/14/2023	9/14/2023
1,2,4-Trimethylbenzene	13	ND	ND
Acetone	0.34	0.31	0.0081
Benzene	0.061	ND	ND
Xylenes, Total	2.7	ND	ND
Nickel, Total	51.2	16.6	17.2
Zinc, Total	128	49.2	53

Boring ID:	RI-SB-06		
Sample ID:	RI-SB-06 (1-1.5)	RI-SB-06 (7-7.5)	RI-SB-06 (14.5-15)
Sample Depth (ft bgs):	1-1.5	7-7.5	14.5-15
Date Sampled:	9/13/2023	9/13/2023	9/13/2023
No Exceedances			

Boring ID:	RI-SB-11					
Sample ID:	RI-SB-11 (0.5-1)	RI-SB-11 (7-7.5)	RI-SB-11 (10.5-11)	RI-SB-11 (17-17.5)	RI-SB-11 (23.5-24)	DUP20230919
Sample Depth (ft bgs):	0.5-1	7-7.5	10.5-11	17-17.5	23.5-24	23.5-24
Date Sampled:	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023
No Exceedances						

Boring ID:	RI-SB-12		
Sample ID:	RI-SB-12 (2-2.5)	RI-SB-12 (8-8.5)	RI-SB-12 (12.5-13)
Sample Depth (ft bgs):	2-2.5	8-8.5	12.5-13
Date Sampled:	9/13/2023	9/13/2023	9/13/2023
No Exceedances			

Boring ID:	RI-SB-18	
Sample ID:	RI-SB-18 (3-3.5)	RI-SB-18 (7.5-8)
Sample Depth (ft bgs):	3-3.5	7.5-8
Date Sampled:	9/13/2023	9/13/2023
No Exceedances		

Boring ID:	RI-SB-17
Sample ID:	RI-SB-17 (4.5-5)
Sample Depth (ft bgs):	4.5-5
Date Sampled:	9/13/2023
No Exceedances	

Boring ID:	RI-SB-10		
Sample ID:	RI-SB-10 (1.5-2)	RI-SB-10 (9.5.10)	RI-SB-10 (10.0-10.5)
Sample Depth (ft bgs):	1.5-2	9.5-10	10-10.5
Date Sampled:	9/14/2023	9/14/2023	9/14/2023
Acetone	ND	0.034	0.062

AREA OF CONCERN (AOC) LEGEND:
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

RECOGNIZED ENVIRONMENTAL CONDITIONS (REC) LEGEND:
REC-1 - FORMER GASOLINE STATION AND AUTOMOBILE REPAIR GARAGE
REC-2 - FORMER NURSERY OPERATIONS
REC-3 - FORMER POTENTIAL UST's AND/OR AST's (SITE-WIDE)
REC-4 - HISTORICAL SPILL #9613901 (NOT DEPICTED)

NOTE:
1. THIS PLAN IS FOR LOCATING SOIL BORINGS, MONITORING WELLS, SOIL VAPOR BORINGS AND AMBIENT AIR LOCATIONS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. BUILDING LINES DEPICT FORMER FEATURES. SITE CURRENTLY VACANT.

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

NYS Education Law
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NOTES:
1. Results are measured in mg/kg.
2. Results are compared to the NYSDEC USCOs and RRSCOs. There is no USCOs established for 2-Methylnaphthalene;
= Concentration exceeds RRSCO.
= Concentration exceeds USCO.
= No concentrations exceed over the USCO or RRSCO for the sample set

ABBREVIATIONS:
NYSDEC = New York State Department of Environmental Conservation.
USCO = NYSDEC Unrestricted Use Soil Cleanup Objectives (6 NYCRR 375-6 12/06).
RRSCO = NYSDEC Restricted Use Soil Cleanup Objectives w/CP-51 (10/10) (6 NYCRR 375-6 12/06).
mg/kg = Miligrams per kilogram.
ft bgs = Feet below grade surface.
ND = Compound not detected above the respective reporting limit.

Analyte	USCOs	RRSCOs
VOCs (mg/kg)		
1,2,4-Trimethylbenzene	3.6	52
1,3,5-Trimethylbenzene	8.4	52
Acetone	0.05	100
Benzene	0.06	4.8
Ethylbenzene	1	41
n-Butylbenzene	12	100
n-Propylbenzene	3.9	100
Naphthalene	12	100
Toluene	0.7	100
Xylenes, Total	0.26	100
SVOCs (mg/kg)		
Napthalene	12	100
Metals (mg/kg)		
Manganese, Total	1600	2000
Nickel, Total	30	310
Zinc, Total	109	10000

LEGEND:
- SITE BOUNDARY
- FORMER BUILDING OUTLINE
RI-SB-01 - RI SOIL BORING NUMBER AND APPROX. LOCATION
- APPROXIMATE LOCATION OF AOC
- APPROXIMATE LOCATION OF REC-1
- APPROXIMATE LOCATION OF REC-2
0.0651 - CONCENTRATION EXCEEDS USCO
4.32 - CONCENTRATION EXCEEDS RRSCO

Scale: 1"= 20'
0 10 20 40 60 80

by	description	rev	date

dwg by: AW
chk by: AF
scale: AS NOTED
date: 12/14/2023

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REMEDIAL ACTION WORKPLAN
136-140 CROTON AVENUE
OSSINING, NEW YORK 10652

SOIL SAMPLE LOCATION PLAN AND EXCEEDANCES

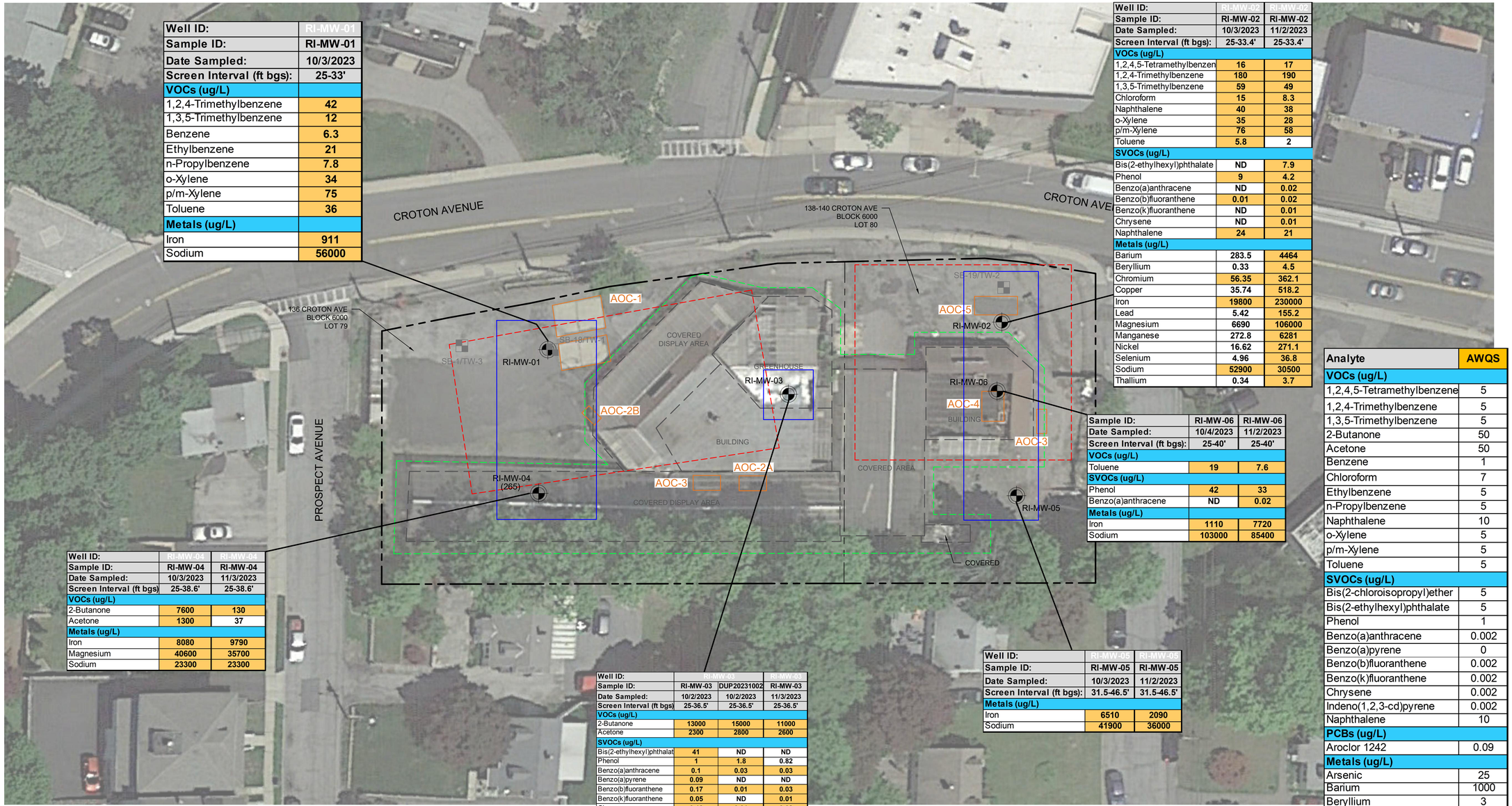
title:

job no. 12060
drawing no.

FIG-2.3

1 of 1

N:\VCAD\12060\CAD\PHASE II\12060 DWG_SAMPLE LOCATION_PLAN.DWG 10/02/24 10:11:54AM dstevenett LAYOUT:FIG-2.3 SOIL SAMP LOC PLAN & EXCEEDANCES



Well ID:	RI-MW-01
Sample ID:	RI-MW-01
Date Sampled:	10/3/2023
Screen Interval (ft bgs):	25-33'
VOCs (ug/L)	
1,2,4-Trimethylbenzene	42
1,3,5-Trimethylbenzene	12
Benzene	6.3
Ethylbenzene	21
n-Propylbenzene	7.8
o-Xylene	34
p/m-Xylene	75
Toluene	36
Metals (ug/L)	
Iron	911
Sodium	56000

Well ID:	RI-MW-02	RI-MW-02
Sample ID:	RI-MW-02	RI-MW-02
Date Sampled:	10/3/2023	11/2/2023
Screen Interval (ft bgs):	25-33.4'	25-33.4'
VOCs (ug/L)		
1,2,4,5-Tetramethylbenzen	16	17
1,2,4-Trimethylbenzene	180	190
1,3,5-Trimethylbenzene	59	49
Chloroform	15	8.3
Naphthalene	40	38
o-Xylene	35	28
p/m-Xylene	76	58
Toluene	5.8	2
SVOCs (ug/L)		
Bis(2-ethylhexyl)phthalate	ND	7.9
Phenol	9	4.2
Benzo(a)anthracene	ND	0.02
Benzo(b)fluoranthene	0.01	0.02
Benzo(k)fluoranthene	ND	0.01
Chrysene	ND	0.01
Naphthalene	24	21
Metals (ug/L)		
Barium	283.5	4464
Beryllium	0.33	4.5
Chromium	56.35	362.1
Copper	35.74	518.2
Iron	19800	230000
Lead	5.42	155.2
Magnesium	6690	106000
Manganese	272.8	6281
Nickel	16.62	271.1
Selenium	4.96	36.8
Sodium	52900	30500
Thallium	0.34	3.7

Sample ID:	RI-MW-06	RI-MW-06
Date Sampled:	10/4/2023	11/2/2023
Screen Interval (ft bgs):	25-40'	25-40'
VOCs (ug/L)		
Toluene	19	7.6
SVOCs (ug/L)		
Phenol	42	33
Benzo(a)anthracene	ND	0.02
Metals (ug/L)		
Iron	1110	7720
Sodium	103000	85400

Well ID:	RI-MW-04	RI-MW-04
Sample ID:	RI-MW-04	RI-MW-04
Date Sampled:	10/3/2023	11/3/2023
Screen Interval (ft bgs)	25-38.6'	25-38.6'
VOCs (ug/L)		
2-Butanone	7600	130
Acetone	1300	37
Metals (ug/L)		
Iron	8080	9790
Magnesium	40600	35700
Sodium	23300	23300

Well ID:			
Sample ID:	RI-MW-03	DUP20231002	RI-MW-03
Date Sampled:	10/2/2023	10/2/2023	11/3/2023
Screen Interval (ft bgs)	25-36.5'	25-36.5'	25-36.5'
VOCs (ug/L)			
2-Butanone	13000	15000	11000
Acetone	2300	2800	2600
SVOCs (ug/L)			
Bis(2-ethylhexyl)phthalat	41	ND	ND
Phenol	1	1.8	0.82
Benzo(a)anthracene	0.1	0.03	0.03
Benzo(a)pyrene	0.09	ND	ND
Benzo(b)fluoranthene	0.17	0.01	0.03
Benzo(k)fluoranthene	0.05	ND	0.01
Chrysene	0.12	0.01	0.02
Indeno(1,2,3-cd)pyrene	0.08	ND	ND
PCBs (ug/L)			
Aroclor 1242	ND	ND	0.093
Metals (ug/L)			
Arsenic	31.48	33.69	2.68
Barium	10990	10640	3420
Beryllium	12.38	12.1	3.73
Chromium	780.9	776.9	189.3
Copper	1567	1408	202
Iron	490000	480000	152000
Lead	293.3	317.8	71.98
Magnesium	217000	209000	63000
Manganese	18400	17310	4089
Nickel	544.4	548.2	119.3
Selenium	66.6	67	49.9
Sodium	28000	27400	19400
Thallium	4.14	4.24	1.69

Well ID:	RI-MW-05	RI-MW-05
Sample ID:	RI-MW-05	RI-MW-05
Date Sampled:	10/3/2023	11/2/2023
Screen Interval (ft bgs):	31.5-46.5'	31.5-46.5'
Metals (ug/L)		
Iron	6510	2090
Sodium	41900	36000

Analyte	AWQS
VOCs (ug/L)	
1,2,4,5-Tetramethylbenzene	5
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
2-Butanone	50
Acetone	50
Benzene	1
Chloroform	7
Ethylbenzene	5
n-Propylbenzene	5
Naphthalene	10
o-Xylene	5
p/m-Xylene	5
Toluene	5
SVOCs (ug/L)	
Bis(2-chloroisopropyl)ether	5
Bis(2-ethylhexyl)phthalate	5
Phenol	1
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Naphthalene	10
PCBs (ug/L)	
Aroclor 1242	0.09
Metals (ug/L)	
Arsenic	25
Barium	1000
Beryllium	3
Chromium	50
Copper	200
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Nickel	100
Silver	50
Selenium	10
Sodium	20000
Thallium	0.5

AREA OF CONCERN (AOC) LEGEND:
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

RECOGNIZED ENVIRONMENTAL CONDITIONS (REC) LEGEND:
REC-1 - FORMER GASOLINE STATION AND AUTOMOBILE REPAIR GARAGE
REC-2 - FORMER NURSERY OPERATIONS
REC-3 - FORMER POTENTIAL UST's AND/OR AST's (SITE-WIDE)
REC-4 - HISTORICAL SPILL #9613901 (NOT DEPICTED)

NOTE:
1. THIS PLAN IS FOR LOCATING SOIL BORINGS, MONITORING WELLS, SOIL VAPOR BORINGS AND AMBIENT AIR LOCATIONS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. BUILDING LINES DEPICT FORMER FEATURES. SITE CURRENTLY VACANT.

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

LEGEND:
- SITE BOUNDARY
- FORMER BUILDING OUTLINE
- RI-MW-04 - RI MONITORING WELL NUMBER AND APPROX. LOCATION
- SB-1/TW-3 - 2021 APPROX. LOCATION OF TEMPORARY WELL & SOIL BORING
- APPROXIMATE LOCATION OF AOC
- APPROXIMATE LOCATION OF REC-1
- APPROXIMATE LOCATION OF REC-2
- 2.7 - CONCENTRATION OF COMPOUND EXCEEDS THE NY TOG's CLASS GA GW OR ASSOCIATED GUIDANCE (NOTED AS AWQS)

NOTES:
NYSDEC = New York State Department of Environmental Conservation
AWQS = Ambient Water Quality Standards
ug/l = Micrograms per liter
= Concentration of compound exceeds the AWQS
1 = Detection limit exceeds AWQS for some VOCs, SVOCs and Metals.
d = Elevated detection limit due to dilution required for high interfering element.

Scale: 1"= 20'
0 10 20 40 60 80

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N:\ACAD\12060\CAD\PHASE II\12060 DWG_SAMPLE LOCATION_PLAN.DWG 05/03/24 02:59:59PM, dale.ward, LAYOUT:FIG-2.4 MON. WELL RESULTS (NOV 2023)

by	description	date	rev

dwg by: AW
chk by: AF
scale: AS NOTED
date: 12/14/2023

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REMEDIAL ACTION WORKPLAN
136-140 CROTON AVENUE
OSSINING, NEW YORK 10652

title: GROUNDWATER SAMPLING LOCATION PLAN AND RESULTS

job no. 12060
drawing no. FIG-2.4

1 of 1

Sample ID:	RI-SV-07
Date Sampled:	4/22/2024
VOCs (ug/m^3)	
1,2,4-Trimethylbenzene	1040
1,3,5-Trimethylbenzene	390
2,2,4-Trimethylpentane	1370
2-Butanone	NA
4-Ethyltoluene	445
Acetone	179
Benzene	866
Cyclohexane	441
Ethanol	78.2
Ethylbenzene	1970
Heptane	4710
Methyl Isobutyl Ketone	39 J
n-Hexane	1350
o-Xylene	2030
p/m-Xylene	6040
Propylene	82.6
Toluene	10800
Xylenes (total)	8070

Sample ID:	RI-SV-01
Date Sampled:	4/22/2024
VOCs (ug/m^3)	
1,2,4-Trimethylbenzene	30800
1,3,5-Trimethylbenzene	14800 J
2,2,4-Trimethylpentane	761000
4-Ethyltoluene	19500
Benzene	696000
Cyclohexane	297000
Ethylbenzene	439000
Heptane	1850000
n-Hexane	1740000
o-Xylene	296000
p/m-Xylene	1070000
Toluene	5620000
Xylenes (total)	1370000

Sample ID:	RI-SV-03
Date Sampled:	4/22/2024
VOCs (ug/m^3)	
Acetone	7.4
Chloromethane	1.4 J
Ethanol	36.7
Ethyl Acetate	3.6
Isopropanol	3.2
Propylene	8.6

Sample ID:	RI-SV-02
Date Sampled:	4/22/2024
VOCs (ug/m^3)	
1,2,4-Trimethylbenzene	11000
1,3,5-Trimethylbenzene	6100
2,2,4-Trimethylpentane	1690000
4-Ethyltoluene	4890
Benzene	27600
Cyclohexane	186000
Ethylbenzene	16100
Heptane	307000
Methyl Isobutyl Ketone	5530
Propylene	967 J
Toluene	13100
Xylenes (total)	92600

Sample ID:	RI-SV-06
Date Sampled:	9/21/23
VOCs (ug/m^3)	
1,3,5-Trimethylbenzene	231
2,2,4-Trimethylpentane	1010
2-Butanone	908
Acetone	337
Benzene	11.9
Carbon disulfide	32.7
Ethylbenzene	65.2
Heptane	52
n-Hexane	9.45
o-Xylene	11.9
p/m-Xylene	20.6
Tertiary butyl Alcohol	45.2
Toluene	16.4

Sample ID:	RI-SV-08
Date Sampled:	4/22/2024
VOCs (ug/m^3)	
1,2,4-Trimethylbenzene	654
1,3,5-Trimethylbenzene	266
1,3-Butadiene	13
2,2,4-Trimethylpentane	682
4-Ethyltoluene	241
Acetone	113
Benzene	48.9
Carbon disulfide	3.7 J
Cyclohexane	75.7
Ethanol	32.4
Ethyl Acetate	13
Ethylbenzene	469
Heptane	463
Methyl ethyl ketone	6.2
Methyl Isobutyl Ketone	10
n-Hexane	149
o-Xylene	769
p/m-Xylene	1880
Propylene	94.7
Styrene	8.5
Tertiary butyl Alcohol	2.6 J
Toluene	946
Trichloroethene	4.5
Xylenes (total)	2650

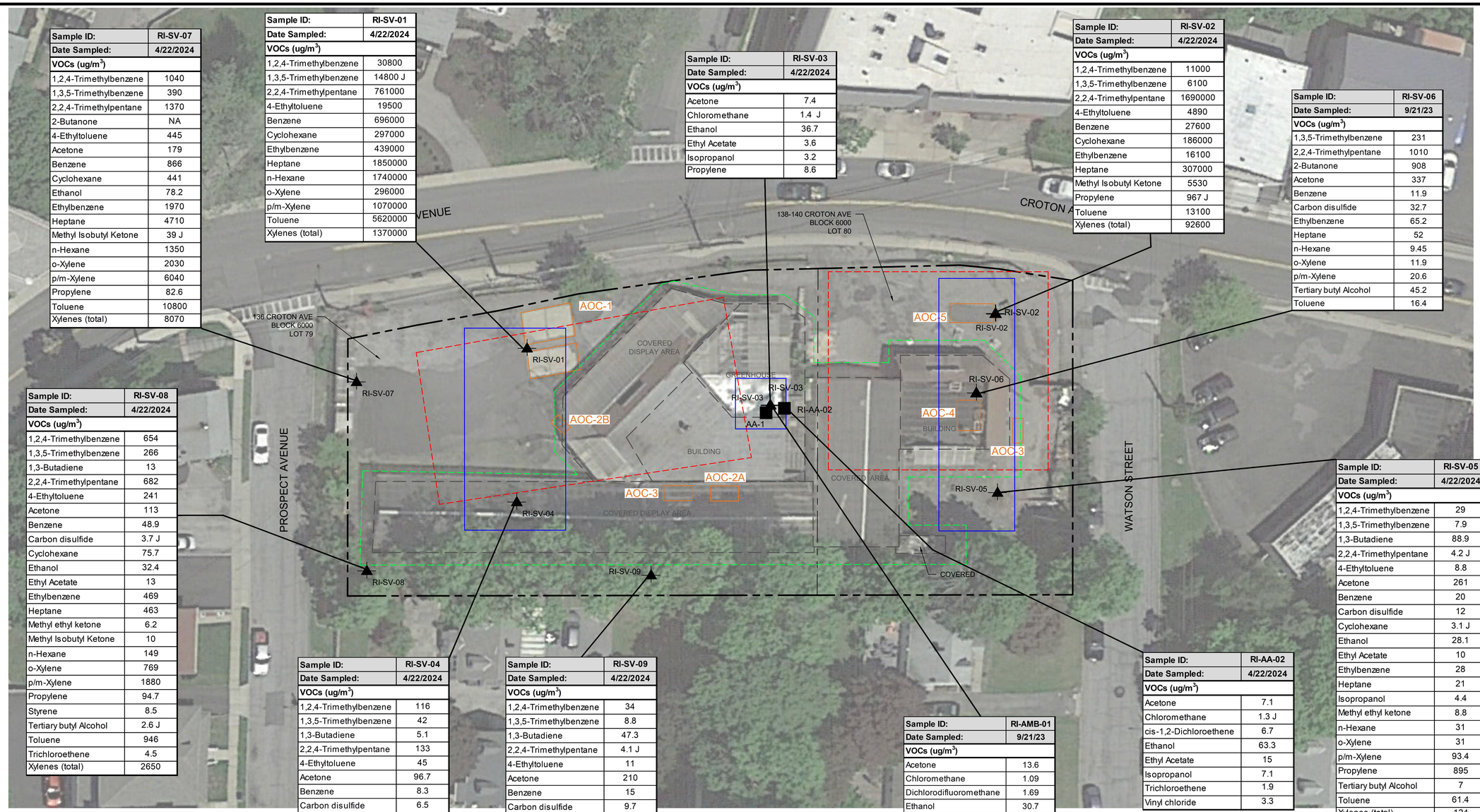
Sample ID:	RI-SV-05
Date Sampled:	4/22/2024
VOCs (ug/m^3)	
1,2,4-Trimethylbenzene	29
1,3,5-Trimethylbenzene	7.9
1,3-Butadiene	88.9
2,2,4-Trimethylpentane	4.2 J
4-Ethyltoluene	8.8
Acetone	261
Benzene	20
Carbon disulfide	12
Cyclohexane	3.1 J
Ethanol	28.1
Ethyl Acetate	10
Ethylbenzene	28
Heptane	21
Isopropanol	4.4
Methyl ethyl ketone	8.8
n-Hexane	31
o-Xylene	31
p/m-Xylene	93.4
Propylene	895
Tertiary butyl Alcohol	7
Toluene	61.4
Xylenes (total)	124

Sample ID:	RI-SV-04
Date Sampled:	4/22/2024
VOCs (ug/m^3)	
1,2,4-Trimethylbenzene	116
1,3,5-Trimethylbenzene	42
1,3-Butadiene	5.1
2,2,4-Trimethylpentane	133
4-Ethyltoluene	45
Acetone	96.7
Benzene	8.3
Carbon disulfide	6.5
Cyclohexane	37.2
Ethanol	34.1
Ethyl Acetate	21
Ethylbenzene	96.9
Heptane	72.1
Methyl ethyl ketone	12
Methyl Isobutyl Ketone	4.1
n-Hexane	32
o-Xylene	149
p/m-Xylene	382
Propylene	37.4
Styrene	5.1
Tertiary butyl Alcohol	2.8
Tetrahydrofuran	3.5
Toluene	89.7
Xylenes (total)	531

Sample ID:	RI-SV-09
Date Sampled:	4/22/2024
VOCs (ug/m^3)	
1,2,4-Trimethylbenzene	34
1,3,5-Trimethylbenzene	8.8
1,3-Butadiene	47.3
2,2,4-Trimethylpentane	4.1 J
4-Ethyltoluene	11
Acetone	210
Benzene	15
Carbon disulfide	9.7
Cyclohexane	2.9 J
Ethanol	65
Ethyl Acetate	14
Ethylbenzene	730
Heptane	24
Methyl ethyl ketone	8.3
Methyl Isobutyl Ketone	4 J
n-Hexane	21
o-Xylene	682
p/m-Xylene	2440
Propylene	376
Tertiary butyl Alcohol	3.3 J
Toluene	69
Xylenes (total)	3120

Sample ID:	RI-AMB-01
Date Sampled:	9/21/23
VOCs (ug/m^3)	
Acetone	13.6
Chloromethane	1.09
Dichlorodifluoromethane	1.69
Ethanol	30.7
n-Hexane	2.66
p/m-Xylene	1.75
Toluene	1.99

Sample ID:	RI-AA-02
Date Sampled:	4/22/2024
VOCs (ug/m^3)	
Acetone	7.1
Chloromethane	1.3 J
cis-1,2-Dichloroethene	6.7
Ethanol	63.3
Ethyl Acetate	15
Isopropanol	7.1
Trichloroethene	1.9
Vinyl chloride	3.3



AREA OF CONCERN (AOC) LEGEND:
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

RECOGNIZED ENVIRONMENTAL CONDITIONS (REC) LEGEND:
REC-1 - FORMER GASOLINE STATION AND AUTOMOBILE REPAIR GARAGE
REC-2 - FORMER NURSERY OPERATIONS
REC-3 - FORMER POTENTIAL UST's AND/OR AST's (SITE-WIDE)
REC-4 - HISTORICAL SPILL #9613901 (NOT DEPICTED)

NOTE:
1. THIS PLAN IS FOR LOCATING SOIL BORINGS, MONITORING WELLS, SOIL VAPOR BORINGS AND AMBIENT AIR LOCATIONS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. BUILDING LINES DEPICT FORMER FEATURES. SITE CURRENTLY VACANT.

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

Notes:
ug/m3 - micrograms per cubic meter
J = Estimated

LEGEND:
- SITE BOUNDARY
- FORMER BUILDING OUTLINE
- RI-SV-06 - RI SOIL VAPOR NUMBER AND APPROX. LOCATION
- RI-AA-02 - AMBIENT AIR POINT
- APPROXIMATE LOCATION OF AOC
- APPROXIMATE LOCATION OF REC-1
- APPROXIMATE LOCATION OF REC-2
- 504 - CONCENTRATION OF COMPOUND EXCEEDS THE NYSDOH MATRIX A SUB-SLAB VAPOR CONCENTRATION CRITERIA

Scale: 1"= 20'
0 10 20 40 60 80

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

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dwg by: KBV
chk by: AF
scale: AS NOTED
date: 12/14/2023

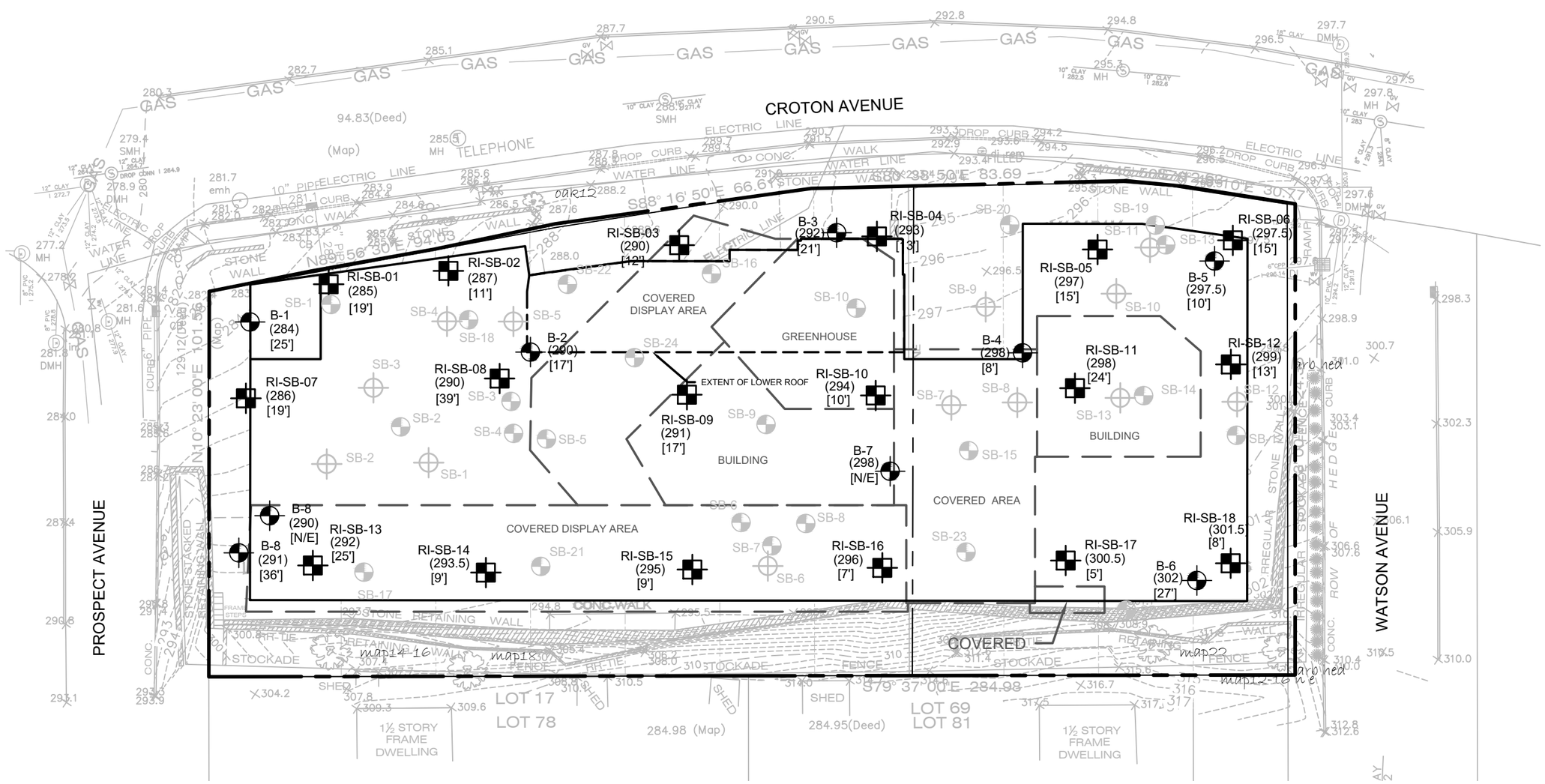
REMEDIAL ACTION WORKPLAN
136-140 CROTON AVENUE
OSSINING, NEW YORK 10652

title: SOIL VAPOR SAMPLING LOCATION PLAN AND RESULTS

job no. 12060
drawing no. FIG-2.5

1 of 1

N:\ VCAD\12060\CAD\PHASE 1\12060DWG_SAMPLE LOCATION_PLAN.DWG 07/03/24 02:19:24PM jon.ward LAYOUT:FIG-2.5 SSV, VAPOR RESULTS



Scale 1" = 30'_XREF

0 30 60

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REFERENCE:

EXIST CONDITIONS & TOPOGRAPHIC INFORMATION ARE TAKEN FROM THE TOPOGRAPHIC MAP FOR TAX LOT 79 & 80, BLOCK 7,136 CROTON AVENUE, OSSINING, NY, PREPARED BY GABRIEL E. SENOR, P.C., DATED 8/18/2021, REV 10/6/2021.

LEGEND:

- SITE BOUNDARY
- FORMER BUILDING OUTLINE
- PROPOSED BUILDING OUTLINE
- 2017 BERKSHIRE INVESTIGATION BORING LOCATION
- 2021 SESI PHASE II ESA BORING LOCATION
- 2023 SESI RI SOIL BORING LOCATION
- 2023 SESI GEOTECHNICAL INVESTIGATION BORING LOCATION
- (XX) - APPROX. SURFACE ELEVATION
- [XX] - APPROX. DEPTH TO TOP OF BEDROCK/WEATHERED ROCK/BOULDER REFUSAL

dwg by: EC
chk by: NG
scale: AS NOTED
date: 09/27/2023

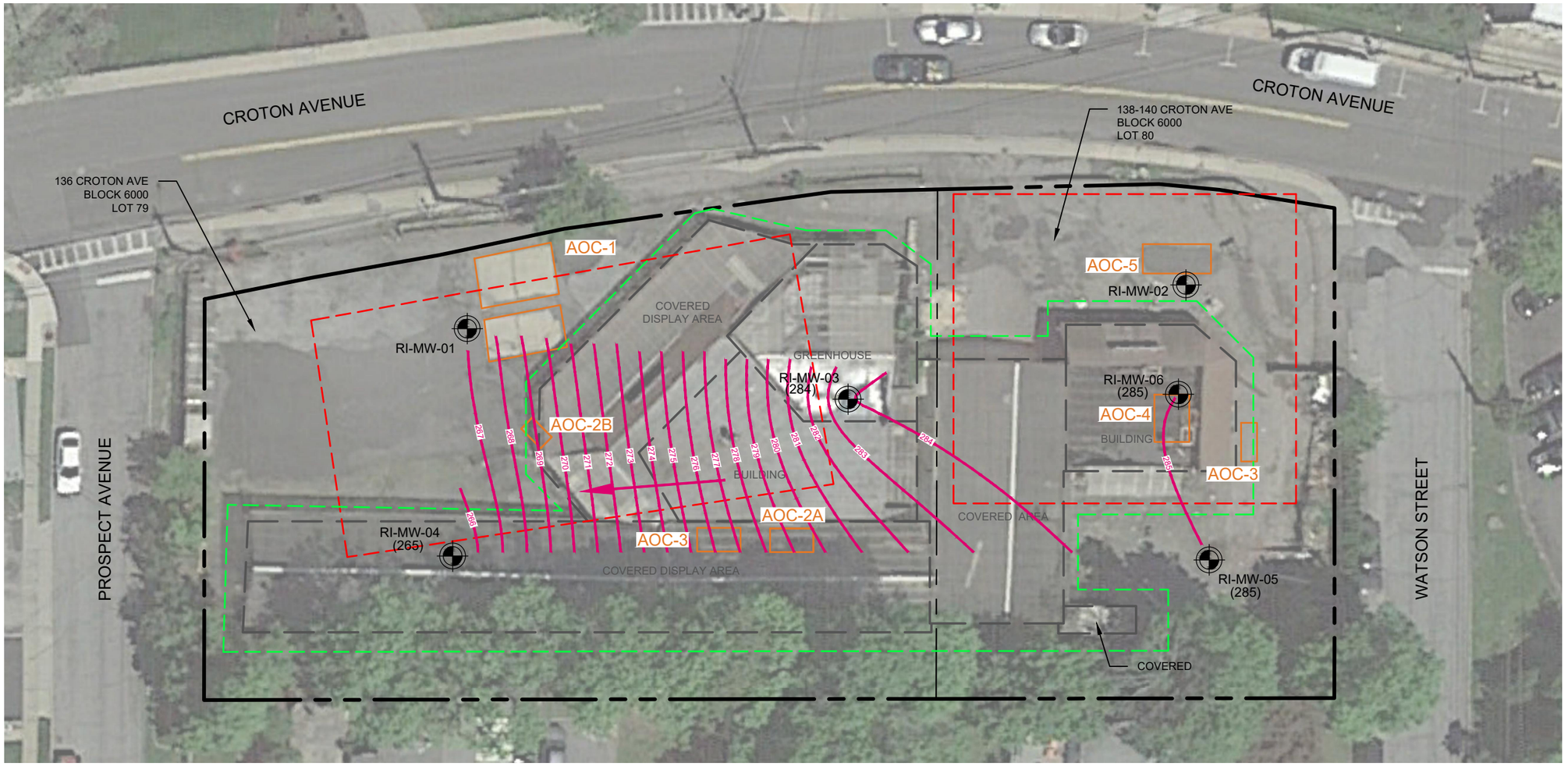
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project: SUN VALLEY NURSERY FILLING STATION SITE
136-140 CROTON AVENUE
OSSINING, NEW YORK 10652

title: DEPTH TO REFUSAL

job no: 12060
drawing no: FIG-3.1

N:\ACAD\12060\CAD\GEOTECH\12060.DWG.SOIL BORING LOCATION PLAN.DWG 09/29/23 04:08:06PM, nicolas, LAYOUT:FIG-1



LEGEND:

- SITE BOUNDARY
- FORMER BUILDING OUTLINE
- RI MONITORING WELL NUMBER AND APPROX. LOCATION
- APPROXIMATE LOCATION OF AOC
- APPROXIMATE LOCATION OF REC-1
- APPROXIMATE LOCATION OF REC-2
- GROUNDWATER ELEVATION
- GROUNDWATER CONTOUR
- INFERRED GROUNDWATER DIRECTION

NOTE:
1. THIS PLAN IS FOR LOCATING SOIL BORINGS, MONITORING WELLS, SOIL VAPOR BORINGS AND AMBIENT AIR LOCATIONS ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
2. BUILDING LINES DEPICT FORMER FEATURES. SITE CURRENTLY VACANT.

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

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AOC-5 - HISTORIC UST REMOVAL AREA

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REC-2 - FORMER NURSERY OPERATIONS
REC-3 - FORMER POTENTIAL UST's AND/OR AST's (SITE-WIDE)
REC-4 - HISTORICAL SPILL #9613901 (NOT DEPICTED)

Scale 1"=30'
0 30 60

dwg by: AW
chk by: AF
scale: AS NOTED
date: 10/16/2023

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project: REMEDIAL INVESTIGATION REPORT
136-140 CROTON AVENUE
OSSINING, NEW YORK 10652

title: GROUNDWATER CONTOUR MAP

job no: 12060
drawing no: FIG-3.2

N: \ACAD\12060\CAD\PHASE II\12060.DWG_SAMPLE_LOCATION_PLAN.DWG 10/31/23 07:30:53AM, alan.ward, LAYOUT:FIG-4.5 GW CONTOUR MAP