



**PERIODIC REVIEW REPORT
for
April 30, 2023 to April 30, 2024
Reporting Period**

**COTTAGE GARDEN AUTO REPAIR SITE
NEW ROCHELLE, WESTCHESTER COUNTY, NEW YORK**

NYSDEC Site # C360180

Prepared for:

**The Mark 95 LLC
5959 Broadway, Suite 3
Bronx, NY 10463**

and

**MJ Garden LLC, MJ Garden II LLC, MJ Garden III LLC, and
MJ Garden IV LLC
1250 Waters Place, PH1
Bronx NY 10461**

Prepared by:

**SESI CONSULTING ENGINEERS
959 Route 46E, Floor 3, Suite 300
Parsippany, NJ 07054**

MAY 2024

Project No.: 11672

Table of Contents

LIST OF ACRONYMS	i
1.0 INTRODUCTION	1
1.1 SUMMARY	1
1.2 EFFECTIVENESS OF REMEDIAL PROGRAM	2
1.3 COMPLIANCE	3
1.4 CONCLUSIONS AND RECOMMENDATIONS.....	3
2.0 SITE OVERVIEW	4
2.1 SITE LOCATION AND DESCRIPTION	4
2.2 SITE HISTORY	4
2.2.1 REMEDIAL INVESTIGATION (RI) CONDUCTED AT THE SITE	4
2.2.3 DESCRIPTION OF REMEDICAL ACTIONS	7
2.2.4 REMOVAL OF CONTAMINATED MATERIALS FROM THE SITE.....	7
2.2.5 ON-SITE AND OFF-SITE TREATMENT SYSTEMS	9
2.2.6 DESCRIPTION OF RESIDUAL CONTAMINATION	9
2.2.7 MANAGEMENT OF RESIDUAL CONTAMINATION THROUH INSTITUTIONAL AND ENGINEERING CONTROLS IN THE ENVIRONMENTAL EASEMENT.....	9
3.0 REMEDY PERFORMANCE, EFFECTIVENESS, PROTECTIVENESS	9
3.1 GROUNDWATER MONITORING	10
4.0 IC PLAN COMPLIANCE	12
4.1 IC REQUIREMENTS AND COMPLIANCE.....	12
4.2 IC CERTIFICATION.....	13
5.0 MONITORING PLAN COMPLIANCE	14
6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE	16
7.0 CONCLUSIONS AND RECOMMENDATIONS	17

TABLES

- TABLE 2.1 SUMMARY OF PETROLEUM TANK CLOSURES
- TABLE 3.1 GROUNDWATER ANALYTICAL RESULTS SUMMARY
- TABLE 3.2 SUMMARY OF VOC GROUNDWATER EXCEEDANCES
- TABLE 5.1 MONITORING PROGRAM FREQUENCY

FIGURES

- FIGURE 3.1 GROUNDWATER SAMPLE LOCATIONS & RESULTS

APPENDICES

- APPENDIX A SITE MANAGEMENT PLAN (SMP) FIGURES
- APPENDIX B WELL SAMPLING LOGS/WELL CONSTRUCTION LOG
- APPENDIX C LABORATORY ANALYTICAL DATA
- APPENDIX D NYSDEC IC CERTIFICATION FORM

LIST OF ACRONYMS

Acronym	Definition
1,1,2-TCA	1,1,2-trichloroethane
AWQS	Ambient Water Quality Standards
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
COC	Certificate of Completion
CVOC	Chlorinated Volatile Organic Compound
DER	Division of Environmental Remediation
DER-10	NYSDEC Technical Guidance for Site Investigation & Remediation
ECs	Engineering Controls
EE	Environmental Easement
ft-bgs	Feet below ground surface
ICs	Institutional Controls
MTBE	methyl-tertiary-butyl-ether
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyls
PHC	Petroleum Hydrocarbon
PRR	Periodic Review Report
RAWP	Remedial Action Work Plan
RI	Remedial Investigation
RIR	Remedial Investigation Report
RRSCO	Restricted Residential Soil Cleanup Objectives
SCG	Standards, Criteria, and Guidance
SESI	SESI Consulting Engineers, PC
SMP	Site Management Plan
SVOCs	Semi-Volatile Organic Compounds
TAL	Target Analyte List
TOGS	Technical and Operations Guidance Series

Acronym	Definition
TCE	Trichloroethene
USCO	Unrestricted Use Soil Cleanup Objectives
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

1.1 SUMMARY

SESI Consulting Engineers DPC (SESI) prepared this Periodic Review Report (PRR) for the period April 30, 2023 to April 30, 2024 for the Cottage Garden Auto Repair New York State Brownfield Cleanup Program (BCP), Site No. C360180 located in New Rochelle, New York (hereinafter referred to as the “Site”). SESI prepared this PRR on behalf of the five (5) volunteer entities as of the September 2019 BCA Amendment: Mark 95 LLC, MJ Garden LLC, MJ Garden II LLC, MJ Garden III LLC. and MJ Garden IV LLC. They will hereinafter collectively be referred to as the “Volunteers,” who entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) as Volunteers to remediate the Site.

The Site addresses are 26 Garden Street (Court House Building, which includes parking for the affordable building and a buffer courthouse floor), 10 Cottage Place (Proposed Residential Building), and 20 Garden Street (Proposed Medical Office).

The Site was formerly occupied by four (4) commercial buildings and one (1) residential building. All the buildings were demolished down to their foundations during site preparation activities before the Remedial Action Work Plan (RAWP) was approved. The residential parcel on the original lot located at 16 Cottage Place was a two and a half story apartment building with approximately 1,000 sq. ft. of formerly occupied space. It was constructed as a residential single-family home in the early 1900s, with conversion to multiple apartments over the years, according to information from available records. The last business with a former address of 10 – 12 Cottage Place was a retail tire and auto repair facility present on the Site for over 60 years. This portion of the Site was also a gasoline station with underground tanks abandoned in place with prior uses unknown. Commercial businesses, including a kitchen and bath dealer and other warehousing purposes, were also present on the Site with prior addresses of 28 Garden Street and 34 Garden Street. The former lot with an address of 26 Garden Street housed a Plastic Works manufacturing company called Strip-A-Way of New Rochelle Inc. This plastics company is believed to have been the historic source of the solvent contamination found on-Site in groundwater and soil vapor.

The Site was remediated to conditional Track 1 as of the end of 2020 when the Certificate of Completion (COC) was issued. A Track 1 soil remedy was completely achieved. Groundwater remediation via in-situ chemical oxidation was also completed, but residual groundwater and soil vapor contamination required Institutional Controls (ECs) including groundwater monitoring and a post-construction vapor intrusion investigation. An Environmental Easement (EE) was granted to the NYSDEC and recorded by the Site owners with the Westchester County Clerk, which required compliance with a Site Management Plan (SMP).

This PRR summarizes the required post-COC inspection and monitoring activities that were conducted during the current reporting period. The inspection and monitoring were conducted to ensure compliance with the EE and the SMP as approved by the NYSDEC.

1.2 EFFECTIVENESS OF REMEDIAL PROGRAM

In order to monitor the effectiveness of the impact on the Site of the Track 1 soil remedy and in-situ groundwater remediation, an on-Site monitoring well network has been sampled quarterly since the COC was issued. The sampling frequency has been modified to biannual per NYSDEC approval of the 2022 PRR. Monitoring wells MW-3 and MW-4 were sampled for volatile organic compounds (VOCs) as described in Section 3. As discussed in Section 3, monitoring well MW-6 has been lost due to site development and could not be sampled. In addition, as discussed in Section 3 a blockage was observed in monitoring well MW-4 during August 2023 sampling event. This well was reinstalled and developed in January 2024, and sampled in February 2024.

As presented in Section 3, groundwater contaminant concentrations in the Site's groundwater have been reduced to below the NYSDEC Technical and Operational Guidance Series, 1.1.1 Class GA Ambient Water Quality Standards and Guidance Values (AWQS). Per NYSDEC comment letter dated October 21, 2024 the wells will be redeveloped and groundwater will be resampled once during the next PRR reporting period to support the recommendation of terminating the conditional status.

A passive sub-slab depressurization system (SSDS) was installed under the building. If required the system would become active and considered an engineering control. A soil vapor intrusion evaluation was also required to be performed upon a change in use of the

property that will result in the initial occupancy of the new on-Site building. Sub-slab and indoor air sampling was conducted during the heating seasons in January 2021 and December 2021. Upon completion of the evaluation, no further monitoring is deemed necessary. In a February 24, 2023, SMP PRR response letter, the department concurred with SESI's recommendation to halt the soil-sub-slab vapor, indoor and outdoor air monitoring.

1.3 COMPLIANCE

The post-COC sampling activities complied with the required sampling protocols in the SMP. SESI sampled the groundwater wells MW-3 in August 2023 and MW-3 and MW-4 in February 2024.

1.4 CONCLUSIONS AND RECOMMENDATIONS

SESI has verified that the Institutional Controls (ICs) developed for the Site have been in compliance with the SMP during this PRR reporting period.

- As discussed in Section 3 of this report the concentrations of VOCs have significantly reduced to concentrations at or below the AWQS in the August 2023 and February 2024 sampling events. The data confirms that there has been bulk reduction in groundwater contaminants and that the VOC concentrations in groundwater have reached the AWQS and/or asymptotic levels for an unconditional Track 1. In addition Chapter 873, Article VII of the Laws of Westchester County prohibits potable use of groundwater, which prevents ingestion of groundwater at or around the Site. Per NYSDEC comment letter dated October 21, 2024 groundwater will be redeveloped and resampled once during the next PRR reporting period to support the recommendation of terminating the conditional status.
- The groundwater will be resampled once in the next PRR reporting period to confirm that the Site meets the standard for an unconditional Track 1 Remedy, so the Department can authorize the EE and SMP to be terminated.

2.0 SITE OVERVIEW

2.1 SITE LOCATION AND DESCRIPTION

The Site addresses are 26 Garden Street (Court House Building, which includes parking for the affordable building and a buffer courthouse floor), 10 Cottage Place (Proposed Residential Building), and 20 Garden Street (Proposed Medical Office). A United States Geological Survey (USGS) topographical quadrangle map, SMP Figure 1.1, shows the Site location. All SMP figures are provided in **Appendix A**.

The Site is 0.988 acres and is bounded by Cottage Place, which borders the northeast side of the Site; Garden Street, which borders the southwest side of the Site; and Interstate I-95 runs along the north side of the Site. The boundaries of the Site are more fully described in SMP Figure 1.2.

2.2 SITE HISTORY

The Site was formerly occupied by four (4) commercial buildings and one (1) residential building. All the buildings have been demolished down to their foundations. The residential parcel on 16 Cottage Place was a two and a half story apartment building with approximately 1,000 sq. ft. of formerly occupied space. It was constructed as a residential single-family home in the early 1900s, with conversion to multiple apartments over the years, according to information from available records. The last business with an address of 10 – 12 Cottage Place was a retail tire and auto repair facility present on the Site for over 60 years. This portion of the Site was also a gasoline station with underground tanks abandoned in place and prior uses are unknown. Commercial businesses, including a kitchen and bath dealer and other warehousing purposes, were also present on the Site with prior addresses of 28 Garden Street and 34 Garden Street. 26 Garden Street housed a Plastic Works manufacturing company called Strip-A-Way of New Rochelle Inc.

2.2.1 REMEDIAL INVESTIGATION (RI) CONDUCTED AT THE SITE

The following narrative provides an investigation and remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site.

The Remedial Investigation Report (RIR) (October 2019) was prepared by SESI and details the results of prior investigations and the Remedial Investigation (RI) performed on the Site. The RI was conducted in accordance with the Remedial Investigation Work Plan for the Site, which was last revised April 2019, the Supplemental Remedial Investigation Work Plan prepared in September 2019, and the NYSDEC's Technical Guidance for Site Investigation and Remediation (DER-10).

The RI consisted of collecting 92 soil samples from 26 soil borings, six (6) groundwater samples from five (5) shallow monitoring wells (MW-1, MW-2, MW-3S, MW-4, and MW-5), one (1) deep well (MW-3D), and 15 soil vapor samples (SV-1 through SV-15) between May and September 2019. One (1) additional monitoring well (MW-6) was installed in June 2020 for groundwater monitoring downgradient of the prior monitoring well network.

Soil

Based on the field investigation, the overall depth of impacted soils ranged from 2 feet to 24 feet below ground surface (ft bgs). Polycyclic aromatic hydrocarbon impacts including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and ideno(1,2,3-cd)pyrene exceeding both Unrestricted Use Soil Cleanup Objectives (USCO) restricted residential soil cleanup objectives (RRSCOs) were identified in shallow soils 2 to 3.5 ft bgs on the western two-thirds of the Site.

Metals contaminated soils exceeding the USCOs and RRSCOs for mercury, barium, cadmium, copper, lead, nickel, and zinc were identified in shallow soils 2 to 3 ft bgs. Metals contaminated soils exceeding the USCOs extend down to 24 ft bgs in certain areas.

The pesticides 4,4-DDE and 4,4-DDT were detected at a depth of 3.5 ft-bgs in one (1) area near the northeastern portion of the Site above the USCO.

Eleven (11) emerging contaminants were detected in at least one (1) of the soil samples collected at depths ranging from 2 ft-bgs to 15 ft-bgs.

Soil Vapor

The Site soil vapor included chlorinated VOCs (CVOCs) and petroleum hydrocarbon (PHC) VOC contaminants. The greatest concentrations of CVOC in soil vapors identified was trichloroethylene (TCE) detected in SV-6 (810 ug/m³), SV-7 (260 ug/m³), SV-9 (77 ug/m³) and carbon tetrachloride in SV-5 (630 ug/m³) near the southern portion of the Site.

The concentration of PHC VOCs in soil vapors were identified as follows:

- benzene in SV-3 at 120 ug/m³ and SV-5 at 150 ug/m³;
- toluene in SV-11 and SV-15 at 130 ug/m³, in SV-14 at 140 ug/m³, and in SV-5 at 190 ug/m³;
- total xylenes in SV-1 at 43 ug/m³, in SV-5 at 46 ug/m³, in SV-15 at 69 ug/m³, and in SV-7 159 ug/m³; and
- 1,3 butadiene in SV-15 at 1.8 ug/m³ and SV-1 at 250 ug/m³.

Groundwater

Groundwater sampling of well MW-3S resulted in detections of dissolved VOCs including TCE (9.8 ug/L) and benzene (1.1 ug/L) exceeding their Ambient Water Quality Standards (AWQS) of 5 ug/L for TCE and 1 ug/L for benzene. There were no exceedances of the AWQS in MW-3D, which was screened in the bedrock. In MW-4, 1,1,2-trichloroethane (1,1,2-TCA) (1.3 ug/L), methyl-tertiary-butyl-ether (MTBE) (29ug/L), and TCE (8.8 ug/L) exceeded their AWQS of 10 ug/L for MTBE, 5 ug/L for TCE, and 1 ug/L for 1,1,2-TCA. In MW-5, methylene chloride (5.4 ug/L) exceeded the AWQS of 5 ug/L.

The SVOC benzo(a)anthracene was detected in monitoring well MW-4 (0.017 ug/L) at a concentration exceeding its AWQS of 0.002 ug/L. This detection is noted with a "J" data qualifier, indicating the result is below the reporting limit and therefore estimated.

Several metals, including aluminum, chromium, iron, magnesium, manganese, selenium, and sodium, were also detected at levels that exceeded the TOGs Class GA AWQS or TOGs maximum effluent limitations in at least one (1) of the monitoring wells sampled. There were no exceedances for pesticides or PCBs detected in any of the groundwater samples collected.

2.2.2 DESCRIPTION OF REMEDICAL ACTIONS

The Site was remediated in accordance with the remedy selected by the NYSDEC in the RAWP dated September 2019.

The factors considered during the selection of the remedy are those listed in 6NYCRR 375-1.8. The following are the components of the selected remedy:

1. Excavation and off-Site disposal of on-Site soils which exceed USCOs, as defined by 6 NYCRR Part 375-6.8;
2. Removal of two (2) 3,000-gallon USTs one (1) 500-gallon UST;
3. Injection of Regenesis PersulfOx® oxidant to treat residual dissolved VOCs in groundwater;
4. Execution and recording of an Environmental Easement to restrict the use of groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health (NYSDOH) or County Department of Health;
5. Development and implementation of a Site Management Plan for short-term management (projected to be no more than five years) of remaining contamination as required by the Environmental Easement, which included plans for: (1) Institutional and Engineering Controls, (2) groundwater and vapor monitoring, (3) operation and maintenance and (4) reporting; and
6. Periodic certification of the Institutional and Engineering controls listed above.

2.2.4 REMOVAL OF CONTAMINATED MATERIALS FROM THE SITE

Petroleum Tanks

Two (2) 3,000-gallon gasoline underground storage tanks (USTs) located at the southeastern corner of the Site near the intersection of Cottage Place and Garden Street, which were previously abandoned-in-place, were removed from the Site as per the NYSDEC approved RAWP. In addition, one (1) unknown 500-gallon UST discovered on the western end of the Site was removed.

The removed UST details are provided in **Table 2.1** below and SMP Figure 2.2. A detailed description of tank closure activities is presented in the tank closure report included as Appendix H of the FER.

Table 2.1: Summary of Petroleum Tank Closures

Field Observations	UST 1	UST 2	UST 3
Date of Removal	2/7/2020	2/7/2020	2/21/2020
Tank Diameter	64-inches	64-inches	36 - inches
Tank Length	216-inches	216-inches	108-inches
Tank Volume (Gallons)	3,000	3,000	500
Quantity of Liquid Removed (gal)	Filled with concrete	Filled with concrete	225

Remedial Excavation

The contaminated fill and soil were removed from the entire footprint of the Site down to a depth of approximately 14 feet across the Site. One (1) discrete “Hotspot” area (A) was further excavated to a depth of 24 ft-bgs. In total, 22,800 cubic yards of contaminated soil was removed from the Site and was all disposed of as contaminated soil at the Clean Earth of Carteret disposal facility. The final excavation elevations are shown on SMP Figure 2.3.

Chemical Injections

In order to enhance and accelerate the groundwater remediation of the dissolved VOCs in order to achieve a Track 1 remedy, a groundwater remedy was implemented and Regenesis PersulfOx® oxidant was applied per SESI’s Groundwater Remediation Work Plan, approved by NYSDEC on May 21, 2020. The *in-situ* treatment consisted of three (3) linear grids totaling 51 injection points, and a second smaller treatment area totaling four (4) injection points. Ultimately, 11,240 pounds of PersulfOx® was injected in the target treatment zones. The PersulfOx® was mixed at concentration of 15%, which resulted in approximately 7,700 gallons of PersulfOx® solution. Two (2) rounds of post-injection groundwater samples were implemented, which documented that remediation has been effective at reducing the remaining concentrations in groundwater as further described below.

2.2.5 ON-SITE AND OFF-SITE TREATMENT SYSTEMS

No long-term treatment systems were required to be installed as part of the Site remedy.

2.2.6 DESCRIPTION OF RESIDUAL CONTAMINATION

Described in Section 3 of this report.

2.2.7 MANAGEMENT OF RESIDUAL CONTAMINATION THROUGH INSTITUTIONAL AND ENGINEERING CONTROLS IN THE ENVIRONMENTAL EASEMENT

The SMP lists the ICs required by the NYSDEC to manage the residual contamination present at this Site to protect public health and the environment in the future and keep the Site safe for reuse. The remedy for the Site did not require the construction of any Engineering Control systems.

The Department required an EE be placed on the Site primarily to monitor the groundwater and residual soil vapor after the implementation of the groundwater remedy. A SMP (December 2020) was prepared by SESI and approved by the NYSDEC for the short-term management and monitoring of the EE requirements.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS, PROTECTIVENESS

The goal of the SMP is to manage the residual contamination at the Site through implementation of ICs until the Department determines that the conditional Track 1 designation can be changed to an unconditional Track 1. SESI has conducted this required monitoring/inspection of the ICs on the Site in accordance with the SMP dated December 2020.

The overall SMP monitoring requirements were designed to monitor the low post remediation levels of dissolved groundwater contamination to demonstrate that: (a) the groundwater standards have been achieved, or (b) asymptotic levels that are acceptable by the NYSDEC and NYSDOH have been reached; and that soil vapor intrusion is not occurring inside any of the newly constructed buildings.

3.1 GROUNDWATER MONITORING

In order to monitor the effectiveness of the contaminant removal and the Site's natural attenuation, an on-Site monitoring well network (MW-3 and MW-4) was sampled biannually. Note that monitoring well MW-3 has also been labeled as MW-3S during certain well sampling events. During the RIR, the well MW-3S was designated as a shallow well installed concurrently with a deep monitoring well labeled MW-3D. MW-3 was reinstalled as a shallow well after the soil remediation and has been labeled as MW-3. Note that monitoring well MW-6 has been lost due to site development and could not be sampled. In addition, a blockage was observed in MW-4 during the August 2023 sampling event. The existing monitoring well MW-4 was abandoned and a new MW-4 was re-installed on January 3, 2024 Using direct push sampling equipment to a depth of 10 feet below the concrete slab to the same elevation as the prior well.. The monitoring well construction log is provided in Appendix B.

Monitoring well MW-3 was sampled on August 24, 2024. Monitoring wells MW-3 and MW-4 were sampled on February 26, 2024. The groundwater sampling and purging logs are presented in **Appendix B**. **Table 3.1** presents the groundwater analytical result summary compared to the AWQS. **Table 3.2** below presents a summary of the VOC exceedances in groundwater. The laboratory data of the sampling events for this monitoring period are presented in **Appendix C**. The monitoring well locations and AWQS exceedances are depicted in **Figure 3.1**.

Chlorinated VOCs

As shown on **Table 3.2** and **Figure 3.1** TCE concentrations in MW-3 peaked at 87 ug/L in the December 2021 sampling event and have been declining over the past 4 sampling events. Specifically TCE concentrations have reduced from 87 ug/L in March 2022 sampling event to below detection limits during the August 2023 and February 2024 sampling events. Carbon tetrachloride was detected in MW-3 during the August 2023 sampling event at a concentration of 6.6 ug/L, slightly exceeding its AWQS of 5 ug/L. Carbon tetrachloride has historically been below detection limits from April 2021 to March 2023 sampling events, and was below detection limits in the February 2024 sampling event. A summary of CVOC exceedances in groundwater is presented on **Table 3.2** below and **Figure 3.1**.

Petroleum VOCs

As shown in **Table 3.2** below and **Figure 3.1**, post-remedial concentrations of MTBE peaked at a concentration of 100 ug/L in June 2021, and have been steadily declining to a concentration below the AWQS of 6.8 ug/L in August 2023 and below detection limits in February 2024.

Table 3.2: Summary of VOC Groundwater Results

LOCATION	NYSDEC AWQS	MW-3		MW-3		MW-3		MW-3S	
SAMPLING DATE		4/22/2021		6/16/2021		9/16/2021		12/9/2021	
		Results	Q	Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	10	100		100		57		64	
Trichloroethene	5	34		60		51		87	
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U
Carbon Tetrechloride	5	0.5	U	0.5	U	0.5	U	0.5	U

LOCATION	NYSDEC AWQS	MW-3S		MW-3		MW-3		MW-3	
SAMPLING DATE		3/2/2022		3/16/2023		8/24/2023		2/26/2024	
		Results	Q	Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	10	49		18		6.8		2.5	U
Trichloroethene	5	84		7.2		0.5	U	0.5	U
Chloroform	7	2.5	U	2.5	U	4.4		2.5	U
Carbon Tetrechloride	5	0.5	U	0.5	U	6.6		0.5	U

LOCATION	NYSDEC AWQS	MW-4		MW-4		MW-4		MW-4	
SAMPLING DATE		4/22/2021		6/16/2021		9/16/2021		12/9/2021	
		Results	Q	Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	5	2.7		3.3		2.7		2.1	
Chloroform	7	0.5	U	0.5	U	0.5	U	0.5	U

LOCATION	NYSDEC AWQS	MW-4		MW-4		MW-4	
SAMPLING DATE		3/2/2022		3/16/2023		2/26/2024	
		Results	Q	Results	Q	Results	Q
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U
Benzene	1	0.5	U	0.5	U	0.5	U
Trichloroethene	5	1.6		0.44	J	0.5	U
Chloroform	7	0.5	U	8.7		2.5	U

Notes:

1. Results are shown in micrograms per liter (ug/L)
2. Bold = Compound exceedances of NYSDEC AWQS
3. Q = Qualifier
4. U = Compound Not Detected
5. J = concentration estimated
6. MW-3 and MW-3S are the same well.

4.0 IC PLAN COMPLIANCE

A series of ICs is required to prevent future exposure to remaining contamination. Adherence to these ICs on the Site is required and will be implemented under this SMP. The IC boundaries are shown on SMP Figure 3.1. These ICs are:

- The property may be used for commercial use, industrial use, unrestricted use, restricted residential use, residential use and unrestricted use contingent upon compliance with this SMP and the Environmental Easement since this is a conditional Track 1 remedy;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- Data and information pertinent to site management must be reported at the frequency and in a manner as defined in this SMP;
- Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement and
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries noted on SMP Figure 3.1, and appropriate actions to address exposures must be implemented.

4.1 IC REQUIREMENTS AND COMPLIANCE

Institutional and Engineering Controls

The Site remedy required that an EE be placed on the Site mainly to monitor groundwater and soil vapor post COC. An SMP (December 2020) was prepared by SESI and approved by the NYSDEC for the short-term management and monitoring of the EE requirements.

Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC Division of Environmental Remediation (DER-10)

Technical Guidance for Site Investigation and Remediation (May 3, 2010) and based on achievement of the remedial standards.

Monitoring Wells Associated with Monitored Natural Attenuation

Groundwater monitoring was required to assess natural attenuation as determined by the NYSDEC, with consultation with NYSDOH, until residual groundwater concentrations are found to be below ambient water quality standards, the Site standards, criteria, and guidance (SCGs), or have become asymptotic at an acceptable level over an extended period. Since the monitoring data now indicates that monitoring for natural attenuation may no longer be required, a proposal to discontinue monitoring can be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC as has been requested in this PRR.

Over the past four-years of monitoring, the four respective PRRs have proven that groundwater contaminant levels have been decreasing through the Site and additional monitoring, source removal, treatment and/or control measures are no longer needed.

Soil Vapor Intrusion Evaluation

A passive sub-slab depressurization system (SSDS) was installed under the building. If required, the system would become active and considered an engineering control. A soil vapor intrusion evaluation was also required to be performed upon a change in use of the property that will result in the initial occupancy of the new on-Site building. Sub-slab and indoor air sampling was conducted during the heating seasons in January 2021 and December 2021. Upon completion of the evaluation, no further monitoring is deemed necessary. In a February 24, 2023, SMP PRR response letter, the department concurred with SESI's recommendation to halt the soil-sub-slab vapor, indoor and outdoor air monitoring.

4.2 IC CERTIFICATION

The NYSDEC Institutional Controls Certification Form has been completed and is included in **Appendix D**.

5.0 MONITORING PLAN COMPLIANCE

Monitoring Completed During Current Reporting Period

Table 5.1: Monitoring Program Frequency

Monitoring Program	Frequency	Matrix	Analysis
Groundwater	Biannual	Water	VOCs

Groundwater Monitoring

- Groundwater samples were collected from MW-3 on August 24, 2023 and February 26, 2024.
- A replacement monitoring well MW-4 was installed and developed in January 3, 2024
- A groundwater sample was collected from the reinstalled MW-4 on February 26, 2024
- The groundwater samples collected from MW-3 and MW-4 were analyzed for VOCs described in Section 3.
- Over the past four-years of monitoring, it has been proven that groundwater contaminant levels have been decreasing through the Site to achieve the AWQS and/or asymptotic levels, and therefore, additional monitoring, source removal, treatment and/or control measures are no longer needed. Per NYSDEC comment letter dated October 21, 2024 the wells will be redeveloped and groundwater will be resampled once during the next PRR reporting period to support the recommendation of terminating the conditional status.

Comparison with Remedial Objectives

Groundwater

As discussed in Section 3 of this report, the concentrations of VOCs have significantly reduced to concentrations at or below the AWQS in the August 2023 and February 2024 sampling events. The data confirms that there has been bulk reduction in groundwater

contaminants and that the VOC concentrations in groundwater have reached the AWQS and/or asymptotic levels for an unconditional Track 1. In addition Chapter 873, Article VII of the Laws of Westchester County prohibits potable use of groundwater, which prevents ingestion of groundwater at or around the Site. Therefore, additional monitoring is no longer warranted. Per NYSDEC comment letter dated October 21, 2024 the wells will be redeveloped and the groundwater will be resampled once during the next PRR reporting period to support the recommendation of terminating the conditional status.

Monitoring Deficiencies

All aspects of the monitoring plan were in accordance with NYSDEC applicable regulations.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE

The Site remedy does not rely on any mechanical systems, such as sub-slab depressurization systems or air sparge/soil vapor extraction systems, to protect public health and the environment. Therefore, the operation and maintenance of such components is not applicable.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Compliance with the SMP

All aspects of the SMP, including IC and monitoring, have met the requirements. The O&M is not required at this time for the Site.

There are no new exposure pathways resulting in an unacceptable risk.

Performance and Effectiveness of the Remedy

The sampling of the monitoring well network has determined the effectiveness of the in situ groundwater treatment to degrade the contaminants of concern in groundwater.

Future PRR Submittals

The next PRR submittal will be May 2025.

Recommendations

We recommend that the EE for the Site be terminated and the SMP also be terminated since monitoring is no longer be required. As discussed above, the data confirms that there has been bulk reduction in groundwater contaminants and that the VOC concentrations in groundwater have reached the AWQS and/or asymptotic levels for an unconditional Track 1. In addition Chapter 873, Article VII of the Laws of Westchester County prohibits potable use of groundwater, which prevents ingestion of groundwater at or around the Site. Therefore, additional monitoring is no longer warranted. Per NYSDEC comment letter dated October 21, 2024 the wells will be redeveloped and the groundwater will be resampled once during the next PRR reporting period to support the recommendation of terminating the conditional status.

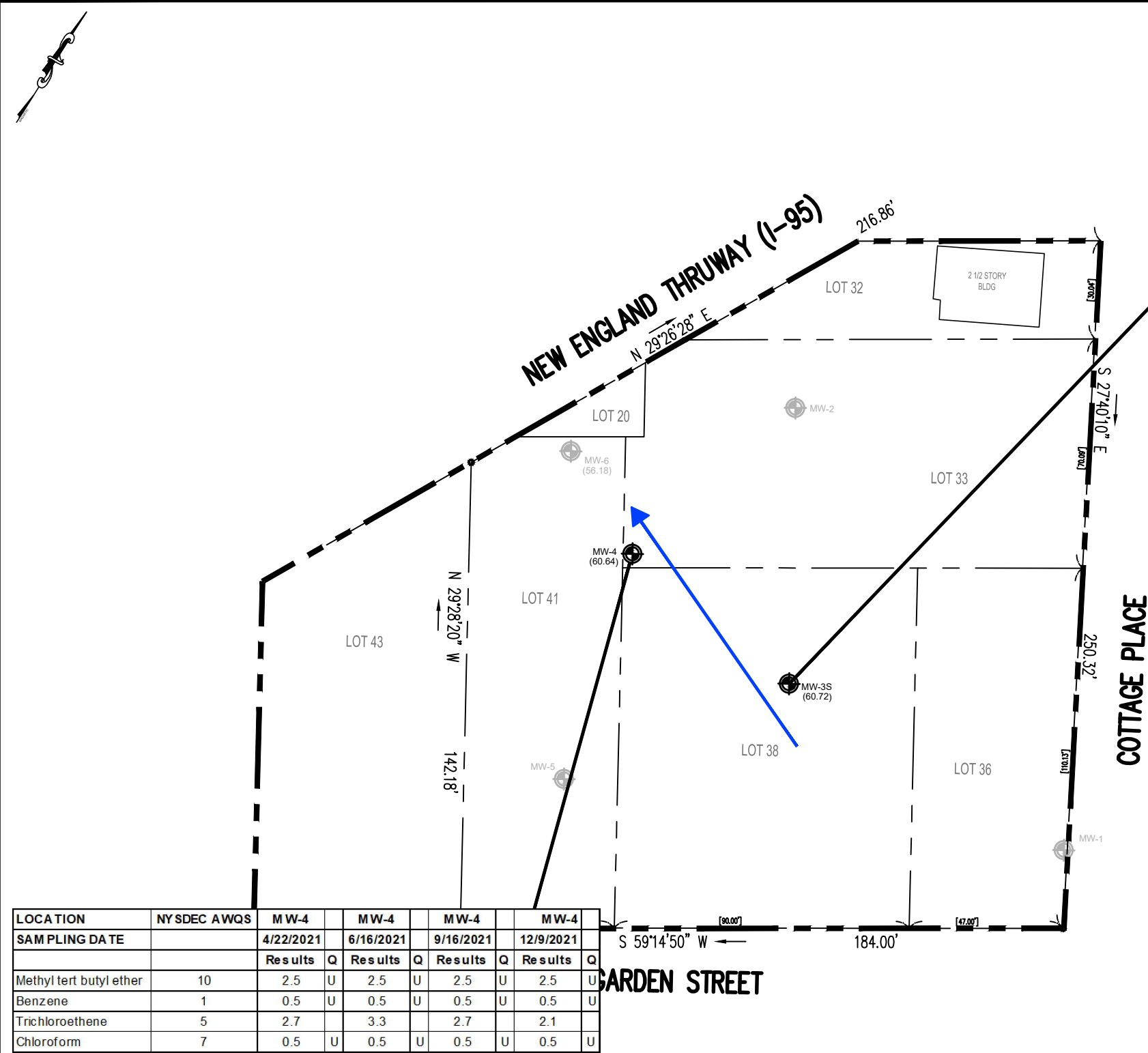
Tables

Qualifier Key

- NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only)
- Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- I - The lower value for the two columns has been reported due to obvious interference.
- G - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- RE - Analytical results are from sample re-extraction.
- R - Analytical results are from sample re-analysis.
- D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- U - Not detected at the reported detection limit for the sample.
- M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- S - Analytical results are from modified screening analysis.
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- NY-AWQS - New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.

Figures

N:\ACAD\11672\CAD\11672.DWG - GW SAMPL LOCs & RESULTS.DWG 03/27/25 01:52:20PM, alan.ward, LAYOUT: FIG-3.1 (V2)



LOCATION	NYSDEC AWQS	MW-4	MW-4	MW-4	MW-4
SAMPLING DATE		4/22/2021	6/16/2021	9/16/2021	12/9/2021
		Results	Q	Results	Q
Methyl tert butyl ether	10	2.5	U	2.5	U
Benzene	1	0.5	U	0.5	U
Trichloroethene	5	2.7		3.3	
Chloroform	7	0.5	U	0.5	U

LOCATION	NYSDEC AWQS	MW-4	MW-4	MW-4
SAMPLING DATE		3/2/2022	3/16/2023	2/26/2024
		Results	Q	Results
Methyl tert butyl ether	10	2.5	U	2.5
Benzene	1	0.5	U	0.5
Trichloroethene	5	1.6		0.44
Chloroform	7	0.5	U	8.7

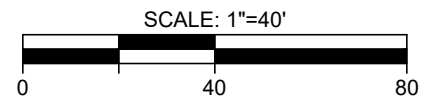
LOCATION	NYSDEC AWQS	MW-3	MW-3	MW-3	MW-3S
SAMPLING DATE		4/22/2021	6/16/2021	9/16/2021	12/9/2021
		Results	Q	Results	Q
Methyl tert butyl ether	10	100		100	
Trichloroethene	5	34		60	
Chloroform	7	2.5	U	2.5	U
Carbon Tetrachloride	5	0.5	U	0.5	U

LOCATION	NYSDEC AWQS	MW-3S	MW-3	MW-3	MW-3
SAMPLING DATE		3/2/2022	3/16/2023	8/24/2023	2/26/2024
		Results	Q	Results	Q
Methyl tert butyl ether	10	49		18	
Trichloroethene	5	84		7.2	
Chloroform	7	2.5	U	2.5	U
Carbon Tetrachloride	5	0.5	U	0.5	U

LEGEND:

- EXISTING GROUNDWATER MONITORING WELL & GROUNDWATER ELEVATION (FT.)
- DESTROYED MONITORING WELL
- BCP SITE AND PROPERTY BOUNDARY
- DIRECTION OF GROUNDWATER FLOW

Analyte	NY-AWQS	Units
Methyl tert butyl ether	10	ug/l
Benzene	1	ug/l
1,1,2-Trichloroethane	1	ug/l
Trichloroethene	5	ug/l
Chloroform	7	ug/l



NOTES:

- THIS PLAN IS FOR LOCATING SAMPLES ONLY.
- OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
- NY-AWQS: NEW YORK TOGS 111 AMBIENT WATER QUALITY STANDARDS CRITERIA REFLECTS ALL ADDENDUM TO CRITERIA THROUGH JUNE 2004
- J - PRESUMPTIVE EVIDENCE OF COMPOUND. THIS REPRESENTS AN ESTIMATED CONCENTRATION FOR TENTATIVELY IDENTIFIED COMPOUNDS (TICs), WHERE THE IDENTIFICATION IS BASED ON A MASS SPECTRAL LIBRARY SEARCH.
- U - NOT DETECTED AT THE REPORTED DETECTION LIMIT FOR THE SAMPLE
- ug/L - MICROGRAMS PER LITER
- **BOLD** - DENOTES COMPOUND EXCEEDS AWQS

This drawing and all information contained hereon is proprietary information of SESI CONSULTING ENGINEERS and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS.

REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

dwg by: aas
chk by: JS
scale: AS NOTED
date: 03/30/2023

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 route 46e, 3rd floor, Parsippany, nj 07054 ph: 973.808.9050

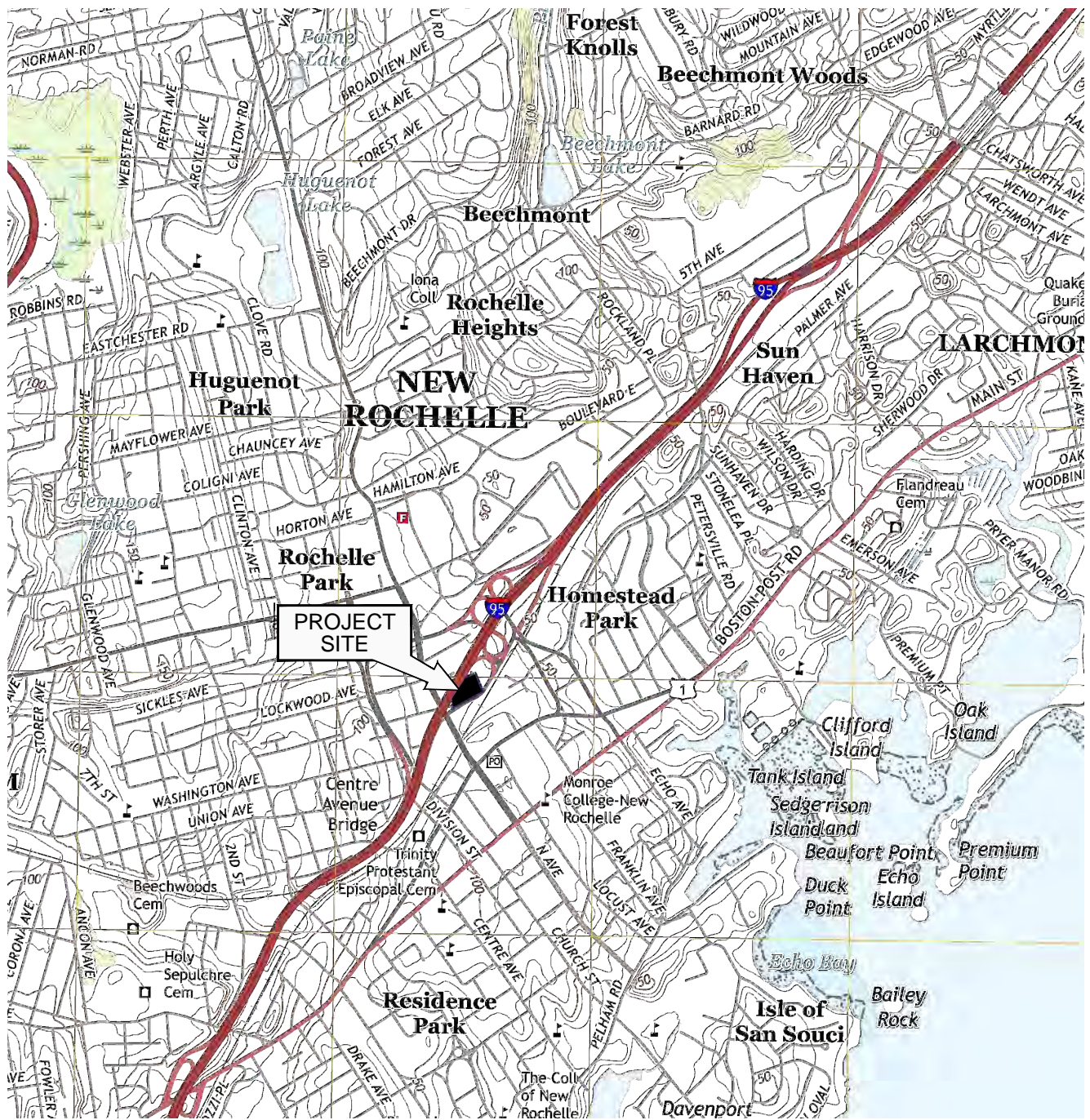
project: COTTAGE - GARDEN AUTO REPAIR SITE
(BCP #360180)
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.
drawing title: GROUNDWATER SAMPLE LOCATIONS & RESULTS

job no: 11672
drawing no:

FIG-3.1

Appendix A:
Site Management Plan (SMP) Figures

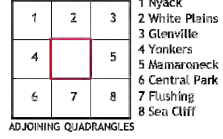
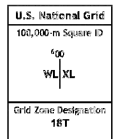
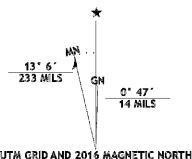
N:\ACAD\10491\10491 SITE LOCATION MAP.DWG 06/06/19 11:36:58AM, ccd, LAYOUT: FIG-1.1



Produced by the United States Geological Survey
 North American Datum of 1983 (NAD83)
 World Geodetic System of 1984 (WGS84). Projection and
 1 000 meter grid: Universal Transverse Mercator, Zone 18T
 10 000-foot ticks: New York Coordinate System of 1983 (east and
 long island zones)

This map is not a legal document. Boundaries may be
 generalized for this map scale. Private lands within government
 reservations may not be shown. Obtain permission before
 entering private lands.

Imagery.....NAIP, June 2013
 Roads.....U.S. Census Bureau, 2015 - 2016
 Names.....GNIS, 2016
 Hydrography.....National Hydrography Dataset, 2013
 Contours.....National Elevation Dataset, 2015
 Boundaries.....Multiple sources; see metadata file 1972 - 2016
 Wetlands.....FWS National Wetlands Inventory 1977 - 2014



GARDEN STREET RESIDENCES
 NEW ROCHELLE, WESTCHESTER COUNTY, NY

SITE LOCATION MAP

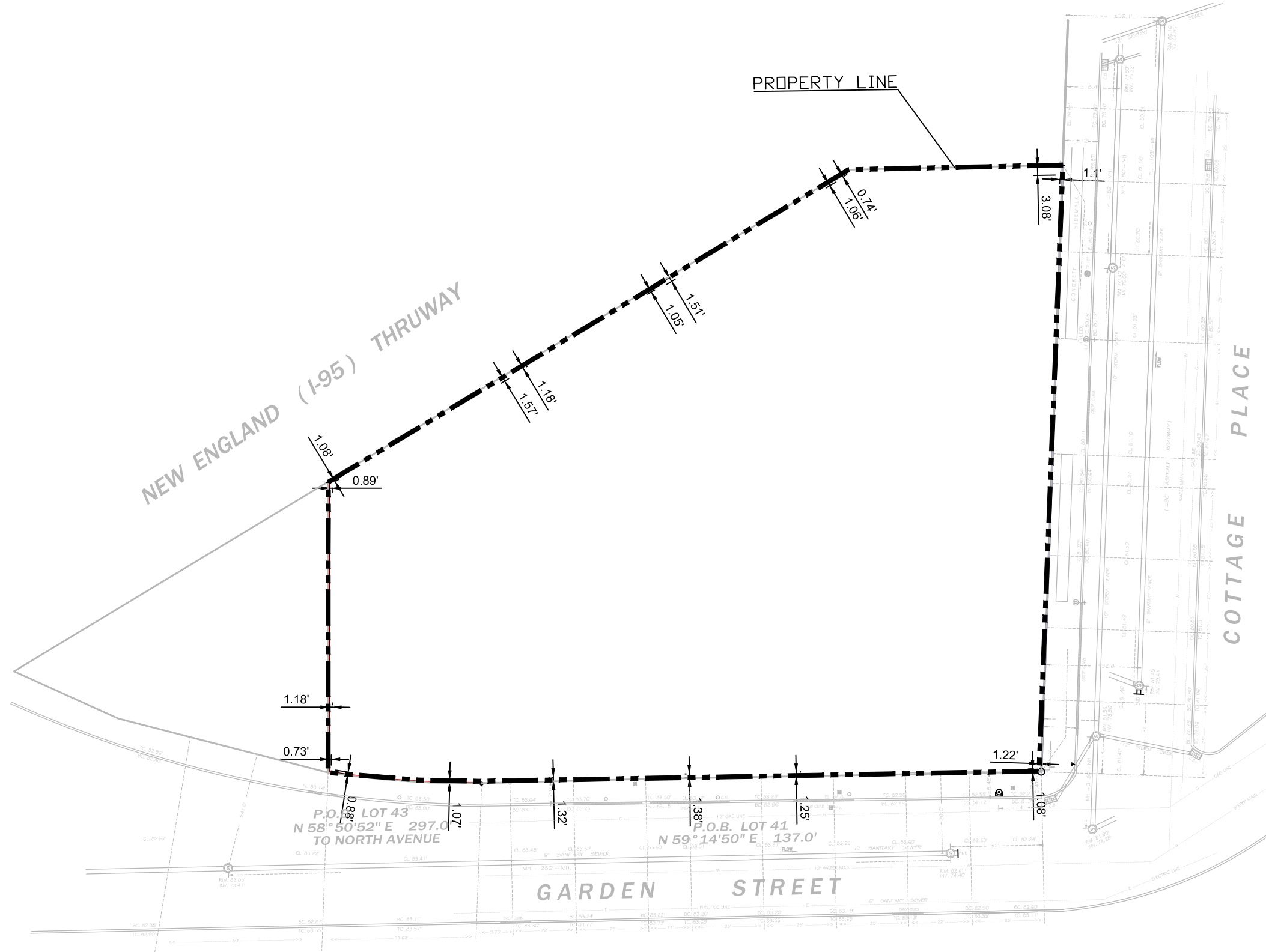
SESI
 CONSULTING
 ENGINEERS D.P.C.

SOILS / FOUNDATIONS
 SITE DESIGN
 ENVIRONMENTAL

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

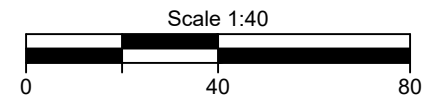
FIG-1.1	
DRAWN BY:	yy
CHECKED BY:	SG
SCALE:	N.T.S.
DATE:	06/06/19
JOB NO.:	10491

N:\ACAD\10491\SMP\10491 - FIG-1.2 - SITE LAYOUT.DWG 10/30/20 10:02:59AM, aas, LAYOUT: FIG-1.2



LEGEND:

----- - PROPERTY LINE



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.

© SESI CONSULTING ENGINEERS D.P.C. 2020
 This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

COTTAGE - GARDEN AUTO REPARI SITE
 (BCP #360180)
 NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

SITE MANAGEMENT PLAN
 SITE LAYOUT

job no: 10491
 drawing no:

FIG-1.2

SESI
 CONSULTING
 ENGINEERS D.P.C.

SOILS / FOUNDATIONS
 SITE DESIGN
 ENVIRONMENTAL

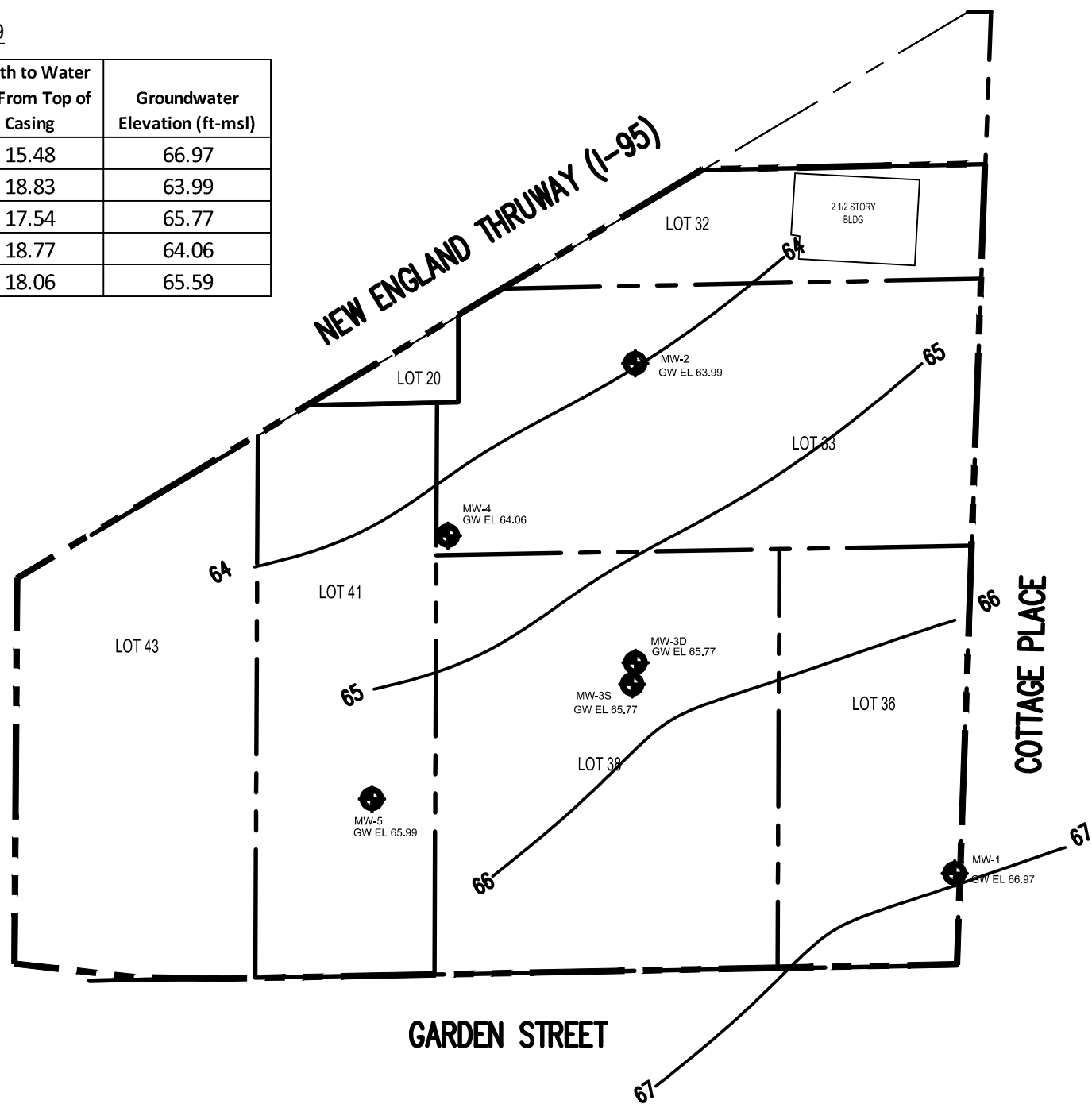
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

dwg by: aas
 chk by: SG
 scale: AS NOTED
 date: 10/30/2020

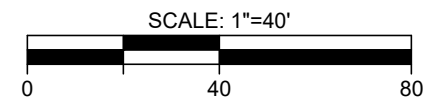


MAY 2019

Well No.	Elevation Top of Casing (ft-msl) *	Depth to Water (ft) From Top of Casing	Groundwater Elevation (ft-msl)
MW-1	82.45	15.48	66.97
MW-2	82.82	18.83	63.99
MW-3	83.31	17.54	65.77
MW-4	82.83	18.77	64.06
MW-5	83.65	18.06	65.59



- LEGEND:**
- PROPERTY BOUNDARY
 - BCP SITE BOUNDARY
 - GROUNDWATER CONTOUR
 - GROUNDWATER MONITORING WELL



REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

dwg by: yy
chk by: JS
scale: 1" = 40
date: 09/18/2020

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

SESI
CONSULTING
ENGINEERS D.P.C.

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

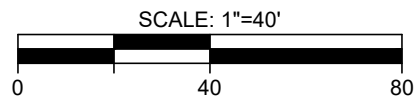
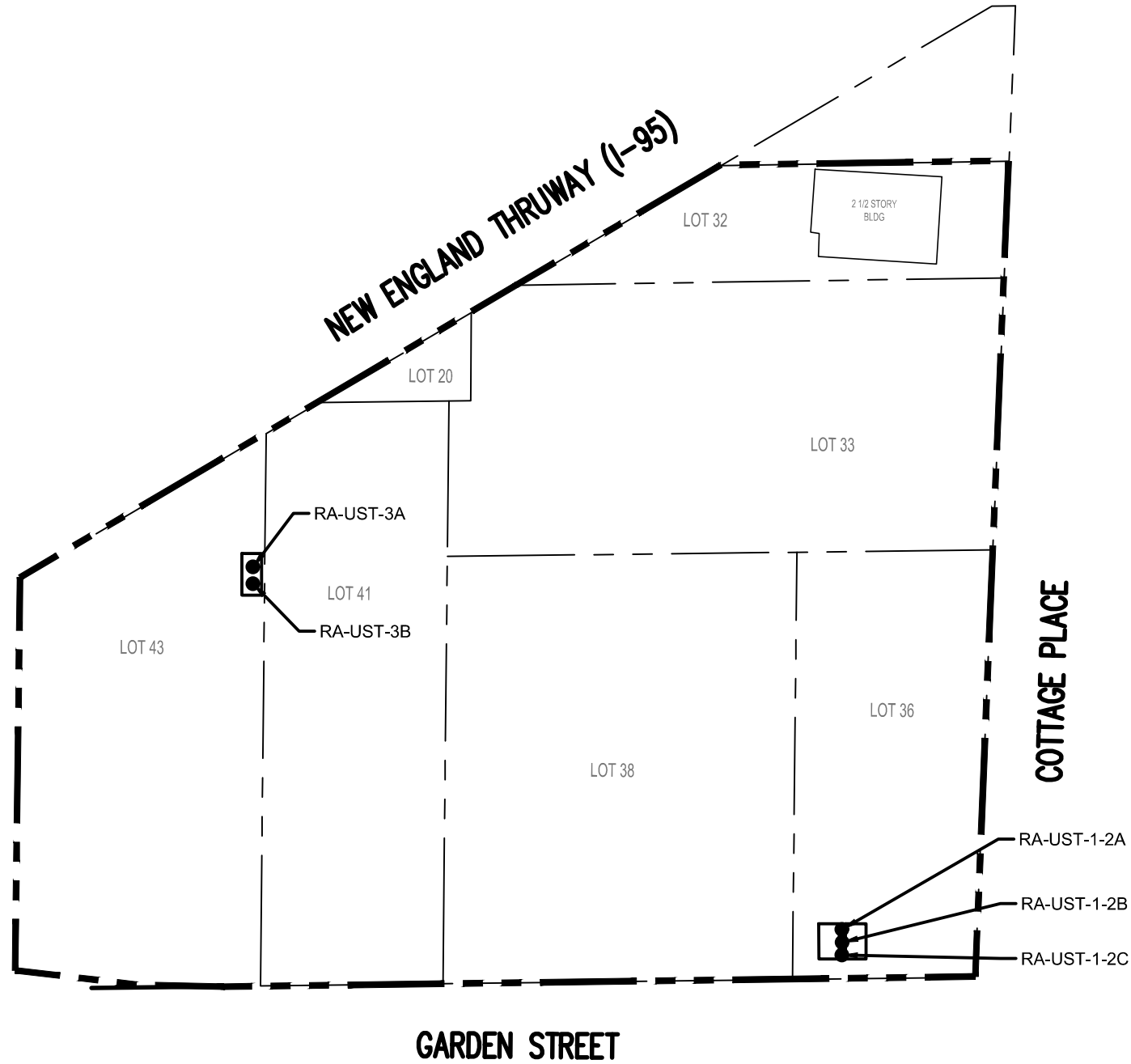
project: COTTAGE - GARDEN AUTO REPAIR SITE
(BCP #360180)
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

drawing title:
SITE MANAGEMENT PLAN
GROUNDWATER CONTOUR MAP

job no: 10491
drawing no:

FIG-2.1

N:\ACAD\10491\SMP\10491 - FIG-2.2 - UST LOCATION MAP.DWG 09/18/20 04:19:41PM, aas, LAYOUT:FIG-2.2



Field Observations	UST 1	UST 2	UST 3
Date of Removal	2/7/2020	2/7/2020	2/21/2020
Tank Diameter	64-inches	64-inches	36 - inches
Tank Length	216-inches	216-inches	108-inches
Tank Volume (Gallons)	3,000	3,000	500
Quantity of Liquid Removed (gal)	Filled with concrete	Filled with concrete	225

- LEGEND:**
- — — — — - PROPERTY BOUNDARY
 - — — — — - BCP SITE BOUNDARY
 - - RA-UST LOCATION

© SESI CONSULTING ENGINEERS D.P.C. 2020
 This drawing and all information contained hereon is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
 SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

dwg by: yy
 chk by: SG
 scale: 1" = 40
 date: 09/18/2020

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

SESI
 CONSULTING
 ENGINEERS D.P.C.

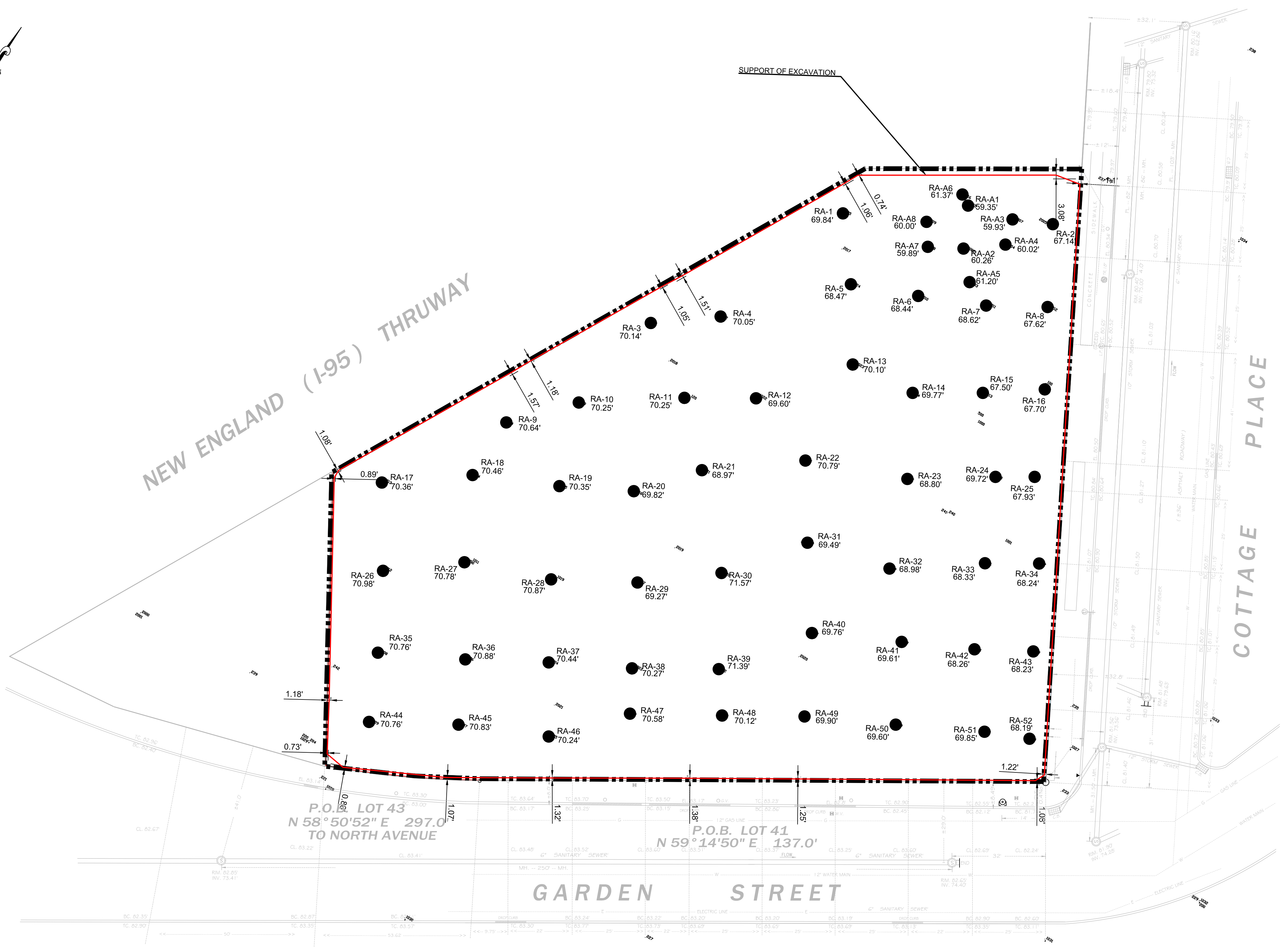
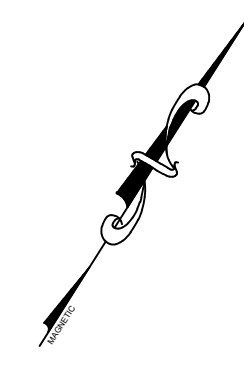
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

project: COTTAGE - GARDEN AUTO REPAIR SITE
 (BCP #360180)
 NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

drawing title:
SITE MANAGEMENT PLAN
UST LOCATION MAP

job no: 10491
 drawing no:

FIG-2.2



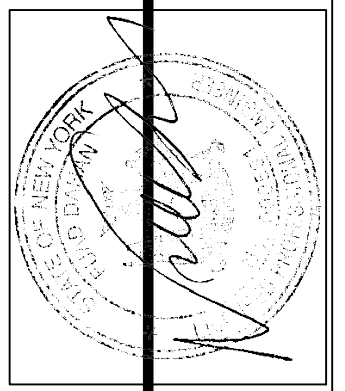
LEGEND:

- RA-16 - END POINT NUMBER & LOCATION
- 67.70' - ELEVATION OF END POINT
- PROPERTY LINE
- SOE BOUNDARY



N:\ACAD\0491\DWG\0491 - FIG-2.3 - FINAL EXCAVATION SURVEYING 12/20/20 06:07:57PM, SRS, LAYOUT FIG-2.3

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 2209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.
© SESI CONSULTING ENGINEERS D.P.C. 2020
This drawing and all information contained hereon is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.



FUAD DAHAN, P.E.
PROFESSIONAL ENGINEER
N.Y. LIC. NO. 09631

COTTAGE - GARDEN AUTO REPAIR SITE
(BCF #360180)
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

SITE MANAGEMENT PLAN
FINAL EXCAVATION SURVEY

job no. 10491
drawing no.

FIG-2.3

rev	date	description

dwg by: aab
chk by: SSG
scale: AS NOTED
date: 09/17/2020

SESI
CONSULTING ENGINEERS D.P.C.
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07068 PH: 973-808-9050



LOCATION	MW-2	MW-2	MW-2	MW-2
LAB SAMPLE ID	460-182234-2	L2012566-02	L2028042-02	460-214981-2
SAMPLING DATE	8/19/2019	3/19/2020	7/1/2020	8/3/2020
SAMPLE TYPE	WATER		WATER	
	Results	Qual	Results	Qual
1,2-Dichloroethane	0.43	U	<0.13	U
Methyl tert butyl ether	0.47	U	<0.7	U
Acetone	5.0	U	2.6	J
Benzene	0.43	U	<0.16	U
Methylene chloride	0.32	U	<0.7	U
1,2-Dichloropropane	0.35	U	<0.14	U
1,1,2-Trichloroethane	0.43	U	<0.5	U
Trichloroethene	0.31	U	5.3	J

LOCATION	MW-6	MW-6
LAB SAMPLE ID	L2028042-06	460-214981-6
SAMPLING DATE	7/1/2020	8/3/2020
SAMPLE TYPE	WATER	
	Results	Qual
1,2-Dichloroethane	<0.13	U
Methyl tert butyl ether	3.7	U
Acetone	<1.5	U
Benzene	<0.16	U
Methylene chloride	<0.7	U
1,2-Dichloropropane	<0.14	U
1,1,2-Trichloroethane	<0.5	U
Trichloroethene	4.6	J

LOCATION	MW-4	MW-4	MW-4	MW-4
LAB SAMPLE ID	460-182225-3	L2012566-04	L2028042-04	460-214981-4
SAMPLING DATE	5/16/2019	3/19/2020	7/1/2020	8/3/2020
SAMPLE TYPE	WATER		WATER	
	Results	Qual	Results	Qual
1,2-Dichloroethane	0.43	U	<0.13	U
Methyl tert butyl ether	29	U	18	U
Acetone	5	U	<1.5	U
Benzene	0.43	U	<0.16	U
Methylene chloride	0.32	U	<0.7	U
1,2-Dichloropropane	0.35	U	<0.14	U
1,1,2-Trichloroethane	1.3	U	<0.5	U
Trichloroethene	8.8	J	7.8	J

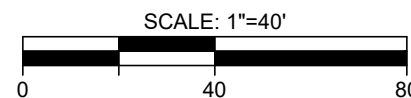
LOCATION	MW-5	MW-5	MW-5	MW-5
LAB SAMPLE ID	460-182225-1	L2012030-01	L2028042-05	460-214981-5
SAMPLING DATE	5/16/2019	3/17/2020	7/1/2020	8/3/2020
SAMPLE TYPE	WATER		WATER	
	Results	Qual	Results	Qual
1,2-Dichloroethane	0.43	U	<0.13	U
Methyl tert butyl ether	0.3	U	<0.7	U
Acetone	25	U	4.8	J
Benzene	0.43	U	0.38	J
Methylene chloride	5.4	U	<0.7	U
1,2-Dichloropropane	0.35	U	<0.14	U
1,1,2-Trichloroethane	0.43	U	<0.5	U
Trichloroethene	0.75	J	42	J

LOCATION	MW-3	MW-3	MW-3	MW-3
LAB SAMPLE ID	460-182225-1	L2012566-03	L2028042-03	460-214981-3
SAMPLING DATE	5/17/2019	3/19/2020	7/1/2020	8/3/2020
SAMPLE TYPE	WATER		WATER	
	Results	Qual	Results	Qual
1,2-Dichloroethane	0.43	U	<0.13	U
Methyl tert butyl ether	0.47	U	8	J
Acetone	5	U	2	J
Benzene	1.1	U	<0.16	U
Methylene chloride	0.32	U	<0.7	U
1,2-Dichloropropane	0.35	U	<0.14	U
1,1,2-Trichloroethane	0.43	U	<0.5	U
Trichloroethene	9.8	J	4	J

LOCATION	NY-AWQS	Units
1,2-Dichloroethane	0.6	ug/l
Methyl tert butyl ether	10	ug/l
Acetone	50	ug/l
Benzene	1	ug/l
Methylene chloride	5	ug/l
1,2-Dichloropropane	1	ug/l
1,1,2-Trichloroethane	1	ug/l
Trichloroethene	5	ug/l

LEGEND:

- PROPERTY BOUNDARY
- MW-1 - GROUNDWATER MONITORING WELL
- BCP SITE BOUNDARY
- COMPOUND EXCEEDS THE AWQS
- GROUNDWATER CONTOURS



NOTES:

- THIS PLAN IS FOR LOCATING SAMPLES ONLY.
- OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.
- NY-AWQS: NEW YORK TOGS 111 AMBIENT WATER QUALITY STANDARDS CRITERIA REFLECTS ALL ADDENDUM TO CRITERIA THROUGH JUNE 2004.
- GROUNDWATER ELEVATION DATA COLLECTED ON MAY 15, 2019

© SESI CONSULTING ENGINEERS D.P.C. 2020
 This drawing and all information contained hereon is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

REFERENCE
 SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.

dwg by: yy
 chk by: JS
 scale: 1" = 40
 date: 12/08/2020

SOILS / FOUNDATIONS
 SITE DESIGN
 ENVIRONMENTAL

SESI
 CONSULTING
 ENGINEERS D.P.C.

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

project: COTTAGE - GARDEN AUTO REPAIR SITE
 (BCP #360180)
 NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.
 drawing title: SITE MANAGEMENT PLAN
 GROUNDWATER SAMPLE LOCATIONS & RESULTS

job no: 10491
 drawing no:

FIG-2.4

N:\ACAD\10491\SMP\10491 - FIG-2.5 - SOIL GAS CONCENTRATION MAP.DWG 12/07/20 02:50:15PM, jenny, LAYOUT: FIG-2.5

Analyte	SV-8
Ethylbenzene	8.6
1,3-Butadiene	9.5
Toluene	45
n-Hexane	14
Cyclohexane	6.0 J
Tetrachloroethene	14
n-Heptane	11
m,p-Xylene	19 J
1,3-Dichlorobenzene	7.1 J
Ethanol	160
Acetone	320
Benzene	5.0 J
1,1,1-Trichloroethane	39
Methylene Chloride	6
Carbon disulfide	8.7 J
Trichlorofluoromethane	4.8 J
Freon TF	65
Methyl Ethyl Ketone	18
Trichloroethene	20
2-Chlorotoluene	6.4 J
1,2,4-Trimethylbenzene	4.6 J

Analyte	SV-7
Ethylbenzene	230
1,3-Butadiene	15
Toluene	14
Chlorobenzene	3.7 J
n-Hexane	25
Cyclohexane	5.9 J
Tetrachloroethene	20
n-Heptane	14
cis-1,2-Dichloroethene	110
m,p-Xylene	130
2,2,4-Trimethylpentane	8.3 J
1,3-Dichlorobenzene	5.3 J B
Ethanol	160
Acetone	520
Benzene	9.9
1,1,1-Trichloroethane	6.8 J
Methylene Chloride	12 J
Carbon disulfide	5.8 J
1,1-Dichloroethane	3.7 J
1,1-Dichloroethene	9
Trichlorofluoromethane	6.3 J
Dichlorodifluoromethane	24 J
Freon TF	43
Methyl Ethyl Ketone	26
Trichloroethene	260
2-Chlorotoluene	29
1,2,4-Trimethylbenzene	5.0 J

Analyte	SV-9
Ethylbenzene	27
1,3-Butadiene	110
Toluene	21
n-Hexane	88
Cyclohexane	10
Tetrachloroethene	16
n-Heptane	39
cis-1,2-Dichloroethene	13
m,p-Xylene	73
2,2,4-Trimethylpentane	7.0 J
1,3-Dichlorobenzene	5.5 J
Ethanol	140
Acetone	220
Chloroform	18
Benzene	42
Carbon disulfide	9.3 J
Methyl Ethyl Ketone	35
Trichloroethene	77
2-Chlorotoluene	19
1,2,4-Trimethylbenzene	4.3 J

Analyte	SV-4
1,3-Butadiene	66
Toluene	32
n-Hexane	23
Acetone	5300 E
Methyl Ethyl Ketone	100

Analyte	SV-3
1,3-Butadiene	98
Toluene	73
n-Hexane	97
n-Heptane	39
Acetone	4700 E
Benzene	120
Methyl Ethyl Ketone	130

Analyte	SV-15
Ethylbenzene	16
1,3-Butadiene	1.8 J
Toluene	130
n-Hexane	21
Tetrachloroethene	8.1 J
n-Heptane	10
m,p-Xylene	53
2,2,4-Trimethylpentane	7.8 J
1,3-Dichlorobenzene	6.6 J B
Ethanol	130
Acetone	720
Benzene	4.2 J
Methylene Chloride	7.6 J
Carbon disulfide	38
Methyl Ethyl Ketone	95
Trichloroethene	9.2 J
2-Chlorotoluene	16
1,2,4-Trimethylbenzene	4.3 J

Analyte	SV-1
1,3-Butadiene	250
Toluene	47
n-Hexane	310
Cyclohexane	23
n-Heptane	97
m,p-Xylene	31
2,2,4-Trimethylpentane	14
Acetone	430
Benzene	71
Methyl Ethyl Ketone	170
Xylene, o-	12
1,2,4-Trimethylbenzene	18

Analyte	SV-14
Ethylbenzene	4.2 J
1,3-Butadiene	5.7
Toluene	140
n-Hexane	38
Tetrachloroethene	4.7 J
n-Heptane	9.3
m,p-Xylene	11 J
2,2,4-Trimethylpentane	10
Ethanol	250
Acetone	1200 D
Benzene	5.2 J
Carbon disulfide	52
tert-Butyl alcohol	62 J
Methyl Ethyl Ketone	110
2-Chlorotoluene	4.0 J
1,2,4-Trimethylbenzene	4.7 J

Analyte	SV-13
Ethylbenzene	14
1,3-Butadiene	120
Toluene	63
n-Hexane	160
Cyclohexane	6.7 J
Tetrachloroethene	6.9 J
n-Heptane	34
m,p-Xylene	34
2,2,4-Trimethylpentane	10
1,3-Dichlorobenzene	5.6 J
Ethanol	160
Acetone	650
Benzene	13
Carbon disulfide	60
Methyl Ethyl Ketone	100
Trichloroethene	13
2-Chlorotoluene	9.5

Analyte	SV-12
Ethylbenzene	6.9 J
1,3-Butadiene	89
Toluene	41
n-Hexane	60
Cyclohexane	6.2 J
Tetrachloroethene	16
n-Heptane	28
m,p-Xylene	17 J
Ethanol	120
Acetone	290
Benzene	19
Carbon disulfide	54
Methyl Ethyl Ketone	39
Trichloroethene	2.7 J
2-Chlorotoluene	6.5 J
1,2,4-Trimethylbenzene	5.4 J

Analyte	SV-5
1,3-Butadiene	190
Toluene	190
n-Hexane	150
Cyclohexane	18
Tetrachloroethene	95
n-Heptane	84
m,p-Xylene	36
Carbon tetrachloride	630
Acetone	2400 E
Chloroform	19
Benzene	140
Carbon disulfide	53
Methyl Ethyl Ketone	130
Trichloroethene	13
Xylene, o-	10
1,2,4-Trimethylbenzene	15

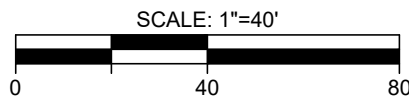
Analyte	SV-10
Ethylbenzene	4.2 J
1,3-Butadiene	89
Toluene	39
n-Hexane	55
Cyclohexane	4.7 J
Tetrachloroethene	8.8 J
n-Heptane	16
m,p-Xylene	8.9 J
2,2,4-Trimethylpentane	4.2 J
Ethanol	99
Acetone	230
Benzene	12
Carbon disulfide	11 J
Methyl Ethyl Ketone	26
2-Chlorotoluene	3.7 J

Analyte	SV-11
Ethylbenzene	8.5
1,3-Butadiene	4.5
Toluene	130
n-Hexane	230
Cyclohexane	6.4 J
Tetrachloroethene	70
n-Heptane	22
Methyl tert-butyl ether	150
m,p-Xylene	21 J
2,2,4-Trimethylpentane	13
1,3-Dichlorobenzene	9.5 J B
Ethanol	230
Acetone	2000 D
Benzene	8.3
Carbon disulfide	240
tert-Butyl alc alcohol	87 J
Methyl Ethyl Ketone	210
Trichloroethene	4.4 J
2-Chlorotoluene	6.2 J

- LEGEND:**
- PROPERTY BOUNDARY
 - SV-7 - SOIL VAPOR POINT (ALL SAMPLES COLLECTED 13 FT-BGS)
 - BCP SITE BOUNDARY
 - Carbon tetrachloride 41 - EXCEEDS NYSDOH MATRIX A LOWER THRESHOLD VALUE

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

REFERENCE
SITE INFORMATION IS TAKEN FROM BOUNDARY SURVEY BY OTHERS.



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.

© SESI CONSULTING ENGINEERS 2020
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS

dwg by: yy
chk by: JS
scale: 1" = 40
date: 12/07/2020

SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL

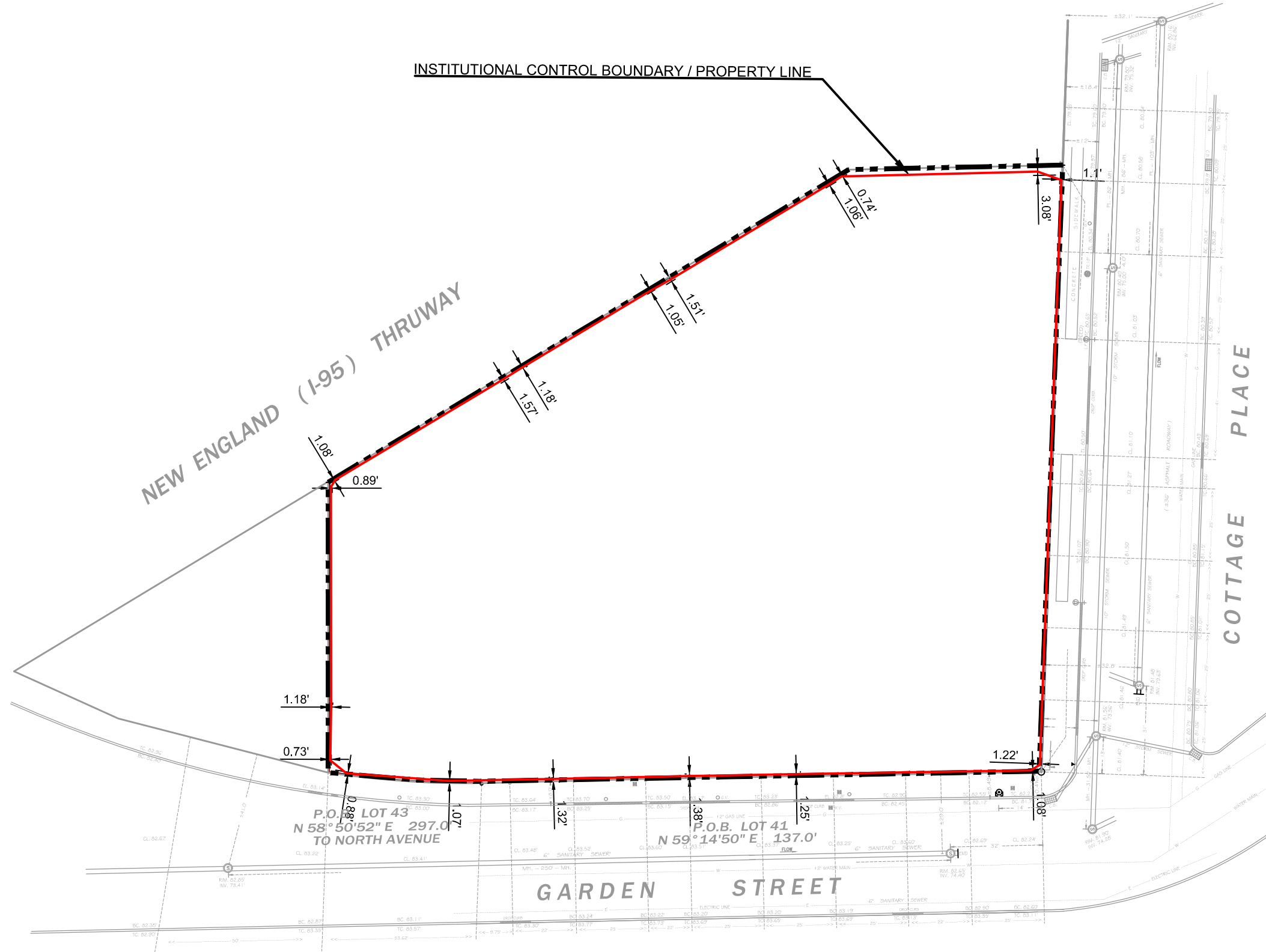
SESI
CONSULTING
ENGINEERS

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

project: COTTAGE - GARDEN AUTO REPAIR SITE
(BCP #360180)
NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.
drawing title: SITE MANAGEMENT PLAN
SOIL VAPOR SAMPLE LOCATIONS & RESULTS

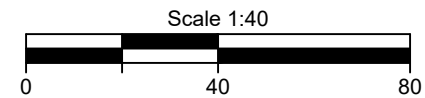
job no: 10491
drawing no:

FIG-2.5



LEGEND:

- INSTITUTIONAL CONTROL BOUNDARY / PROPERTY LINE
- SOE AS-BUILT LOCATION



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.

© SESI CONSULTING ENGINEERS D.P.C. 2020
 This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.

COTTAGE - GARDEN AUTO REPAIR SITE
 (BCP #360180)
 NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.

SITE MANAGEMENT PLAN
INSTITUTIONAL CONTROL BOUNDARIES

job no: 10491
 drawing no:

FIG-3.1

SESI
 CONSULTING ENGINEERS D.P.C.

SOILS / FOUNDATIONS
 SITE DESIGN
 ENVIRONMENTAL






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

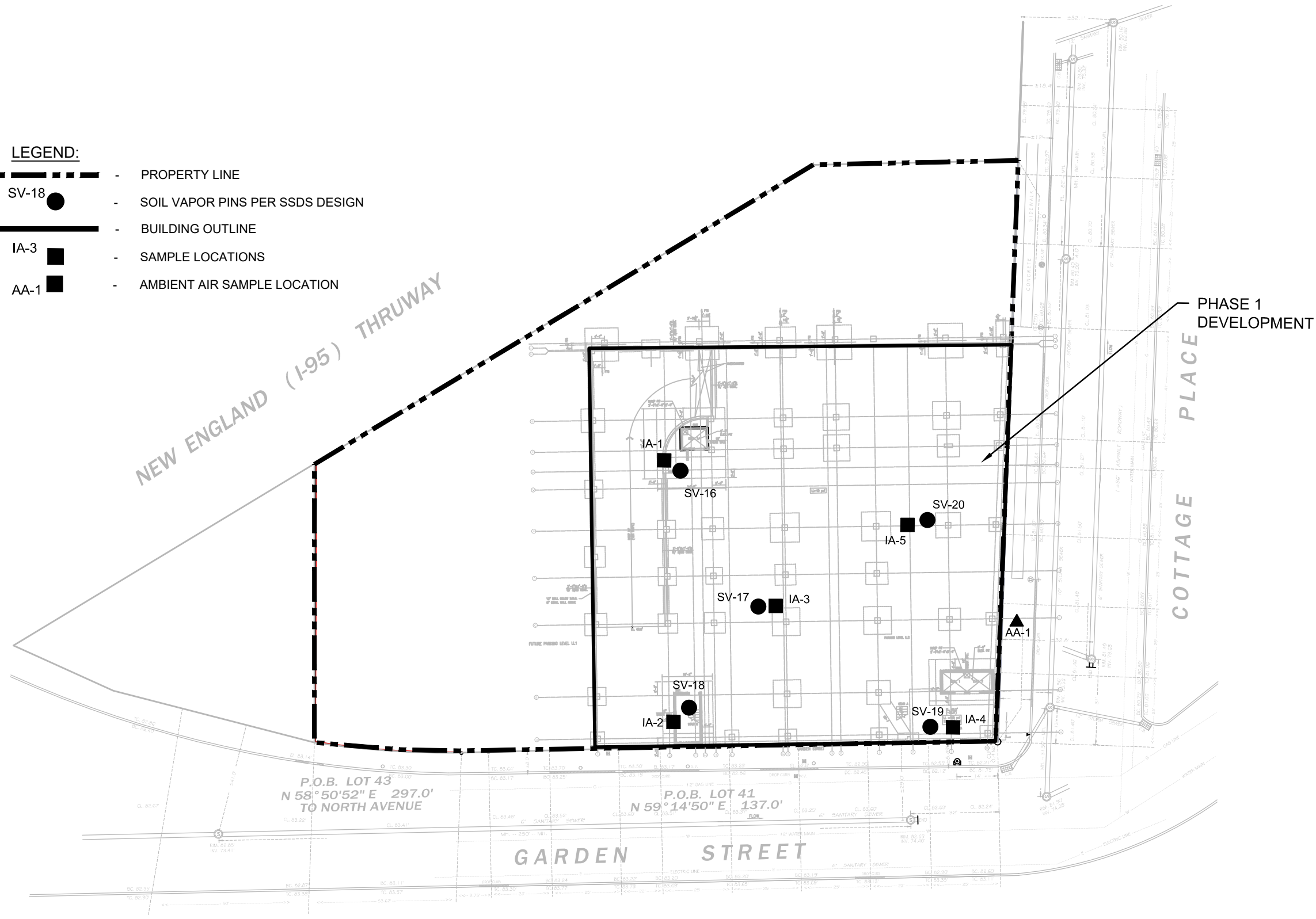
dwg by: aas
 chk by: SG
 scale: AS NOTED
 date: 09/17/2020

N:\ACAD\10491\SMP\10491 - FIG-5.1 - SOIL VAPOR SAMPLE LOCATIONS - PHASE 1.DWG 12/22/20 02:53:41PM, aas, LAYOUT:FIG-5.1



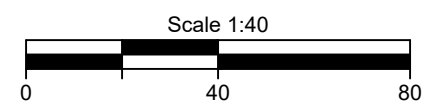
LEGEND:

-  - PROPERTY LINE
-  SV-18 - SOIL VAPOR PINS PER SSDS DESIGN
-  - BUILDING OUTLINE
-  IA-3 - SAMPLE LOCATIONS
-  AA-1 - AMBIENT AIR SAMPLE LOCATION



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.

© SESI CONSULTING ENGINEERS D.P.C. 2020
 This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS D.P.C. and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS D.P.C.



dwg by: aas
 chk by: SG
 scale: AS NOTED
 date: 12/22/2020

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

COTTAGE - GARDEN AUTO REPAIR SITE
 (BCP #360180)
 NEW ROCHELLE, WESTCHESTER COUNTY, N.Y.


SITE MANAGEMENT PLAN
PROPOSED SOIL VAPOR SAMPLE LOCATIONS

job no: 10491
 drawing no:


FIG-5.1


Appendix B:
Well Sampling Logs/Well Construction Log

LOW-FLOW GROUNDWATER SAMPLING LOG

Location: <u>Cottage - Garden Auto Repair Site</u>		Job Number: <u>11672B</u>			WELL I.D. : MW-3				
Personnel: <u>Christian Barletta</u>		Date: <u>2/26/2024</u>							
		PID: <u>0 PPM</u>							
Stickup? N	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
-	2"	5.6'	-	0.6'	5.0'	5.6'	5.6'		Peristaltic
Turbidity at collection (NTU):		~800	(Less than 5 NTU is desirable)		Duplicate Collected? Y			Filtered Sample N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
2.5	800	7.89	14	10000	29.58	419	1000+	0.6	Y
	805	8.41	13.81	9470	9.48	351	1000+	2.6	Y
	810	8	14	10000	15.91	454	1000+	4.6	Y
Well Dry									
	820	7.55	14	10000	17.8	492	1000+	5.6	Y
Well Dry									
	920	6.46	14	10000	14.05	495	800	5.2	Y
	923	6.43	14	10000	14.3	453	800	5.6	Y
Well Dry									
	940	5.99	14	10000	12.3	502	800	5.6	Y
Well Condition Summary									
Cover: Y		Bolts: Y		Concrete Pad OK: Y			Gripper: Y		
Sample Collection Information									
Sample Time:	0:00	Appearance: Cloudy		Filtered Sample Turbidity:			OTHER: Basic Smell (High pH)		
<small>Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.</small>									
<small>Notes/ Calculations: Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.</small>									
ABSORBENT SOCK									
Sock Length (ft) =		Capacity (Qt.) =			Present:	Y / N	Product Measured (Inches) :		
Sock Installation Date:				Sock Changed :		Y / N			
Sock Depth (Depth to sock mid point):									

LOW-FLOW GROUNDWATER SAMPLING LOG

Location: <u>Cottage - Garden Auto Repair Site</u>		Job Number: <u>11672B</u>			WELL I.D. : MW-4				
Personnel: <u>Christian Barletta</u>		Date: <u>2/26/2024</u>							
		PID: <u>0 PPM</u>							
Stickup? N	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
-	2"	6.5'	-	4	2.5	6.5'	6.5'		Peristaltic
Turbidity at collection (NTU):		~500	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample N	
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit
Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
2.5	900	7.05	13.61	10000	12.91	569	1000+	4	
	905	1.78	14	10000	13.86	598	800	5	
	910	3.43	14	10000	12.64	611	610	6	
Well Dry									
	1000	5.91	13.05	10000	16.4	607	800	6	
	1005	5.9	1.36	10000	14.06	601	800	6.5	
Well Dry									
	1030	5.4	14	10000	12.75	654	800	5.5	
	1035	5.28	14	10000	9.57	663	570	6	
	1040	5.23	14	10000	9.02	664	500	6.5	
Well Condition Summary									
Cover: Y		Bolts: Y		Concrete Pad OK: Y			Gripper: Y		
Sample Collection Information									
Sample Time:	0:00	Appearance: Cloudy			Filtered Sample Turbidity:			OTHER: Material Buildup Continued	
<small>Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.</small>									
<small>Notes/ Calculations: Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.</small>									
ABSORBENT SOCK									
Sock Length (ft) =		Capacity (Qt.) =			Present:	Y / N	Product Measured (Inches) :		
Sock Installation Date:					Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):									

	PROJECT NAME:	Cottage Garden			BORING ID/MONITORING WELL ID	MW-4			
	PROJECT LOCATION:	New Rochelle, NY			JOB NO.	11672			
	GROUND ELEVATION:								
BORING BY: Coastal	DATE STARTED	1/3/24	DEVELOPMENT PERIOD	10:00-10:30am	INSIDE CASING DIAMETER (in)	2'			
INSPECTOR: Christian Barletta	DATE COMPLETED	1/3/24	DEVELOPMENT METHOD	Purge	BOREHOLE DIAMETER (in)	2.25"			
NJ DEP PERMIT NO.:	DATE DEVELOPED	1/3/24	DEVELOPMENT RATE	1 gpm	INITIAL WATER LEVEL (ft):	5.5'			
WELL CONSTRUCTION	DEPTH (ft)	Sample	Blows on Spoon				REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
			0/6	6/12	12/18	18/24			
Depth (feet below grade) Top of Casing 0 Ground Surface 0 Top of Riser 2" Top of Seal 0 Top of Sand Pack 0 Top of Screen 5.5 Bottom of Screen 10.5 Bottom of Boring 10.5 Remarks	0						0-6" - Concrete	0	
Casing Type: Steel Cap Only	5						Brownish, c-f, SAND, Some Gravel, Little Silt, Trace Clay GW @ 5.5' bgs	0	
Well Cap: Steel								0	
Grout Type:								0	
Well Key:	10							0	
Riser Pipe: PVC								0	
Sand/Gravel Pack Size:	20							0	
Screen Size: 10 Slot								0	
	25							0	
	30							0	
	35							0	
	40						0		

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

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

Appendix C:

Lab Data



ANALYTICAL REPORT

Lab Number:	L2349472
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	Steven Gustems
Phone:	(973) 808-9050
Project Name:	COTTAGE PLACE
Project Number:	11672B
Report Date:	08/30/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2349472-01	MW-3	WATER	NEW ROCHELLE, NY	08/24/23 09:40	08/24/23
L2349472-02	DUP-MW	WATER	NEW ROCHELLE, NY	08/24/23 00:00	08/24/23
L2349472-03	TB20230824	WATER	NEW ROCHELLE, NY	08/24/23 00:00	08/24/23
L2349472-04	FB20230824	WATER	NEW ROCHELLE, NY	08/24/23 00:00	08/24/23

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly O'Neill

Title: Technical Director/Representative

Date: 08/30/23

ORGANICS

VOLATILES

Project Name: COTTAGE PLACE**Lab Number:** L2349472**Project Number:** 11672B**Report Date:** 08/30/23**SAMPLE RESULTS**

Lab ID: L2349472-01
 Client ID: MW-3
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 09:40
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/29/23 20:25
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	4.4		ug/l	2.5	0.70	1
Carbon tetrachloride	6.6		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	2.1		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.42	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.21	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.86		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	3.1		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	24		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.33	J	ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE PLACE

Lab Number: L2349472

Project Number: 11672B

Report Date: 08/30/23

SAMPLE RESULTS

Lab ID: L2349472-01
 Client ID: MW-3
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 09:40
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	6.8		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	12		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE PLACE**Lab Number:** L2349472**Project Number:** 11672B**Report Date:** 08/30/23**SAMPLE RESULTS**

Lab ID: L2349472-01

Date Collected: 08/24/23 09:40

Client ID: MW-3

Date Received: 08/24/23

Sample Location: NEW ROCHELLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

Total TIC Compounds	1.50	J	ug/l			1
Unknown	1.50	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	70		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	101		70-130

Project Name: COTTAGE PLACE**Lab Number:** L2349472**Project Number:** 11672B**Report Date:** 08/30/23**SAMPLE RESULTS**

Lab ID: L2349472-02
 Client ID: DUP-MW
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 00:00
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/28/23 16:41
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.80	J	ug/l	2.5	0.70	1
Carbon tetrachloride	0.36	J	ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	2.3		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.71		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	3.7		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	2.9		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE PLACE**Lab Number:** L2349472**Project Number:** 11672B**Report Date:** 08/30/23**SAMPLE RESULTS**

Lab ID: L2349472-02
 Client ID: DUP-MW
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 00:00
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	9.6		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	29		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.0	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE PLACE

Lab Number: L2349472

Project Number: 11672B

Report Date: 08/30/23

SAMPLE RESULTS

Lab ID: L2349472-02
 Client ID: DUP-MW
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 00:00
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	78		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

Project Name: COTTAGE PLACE**Lab Number:** L2349472**Project Number:** 11672B**Report Date:** 08/30/23**SAMPLE RESULTS**

Lab ID: L2349472-03
 Client ID: TB20230824
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 00:00
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/28/23 16:16
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE PLACE

Lab Number: L2349472

Project Number: 11672B

Report Date: 08/30/23

SAMPLE RESULTS

Lab ID: L2349472-03
 Client ID: TB20230824
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 00:00
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE PLACE**Lab Number:** L2349472**Project Number:** 11672B**Report Date:** 08/30/23**SAMPLE RESULTS**

Lab ID: L2349472-03
 Client ID: TB20230824
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 00:00
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
-------------------------------------	----	------	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	103		70-130

Project Name: COTTAGE PLACE**Lab Number:** L2349472**Project Number:** 11672B**Report Date:** 08/30/23**SAMPLE RESULTS**

Lab ID: L2349472-04
 Client ID: FB20230824
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 00:00
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 08/28/23 15:51
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE PLACE**Lab Number:** L2349472**Project Number:** 11672B**Report Date:** 08/30/23**SAMPLE RESULTS**

Lab ID: L2349472-04
 Client ID: FB20230824
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 00:00
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE PLACE

Lab Number: L2349472

Project Number: 11672B

Report Date: 08/30/23

SAMPLE RESULTS

Lab ID: L2349472-04
 Client ID: FB20230824
 Sample Location: NEW ROCHELLE, NY

Date Collected: 08/24/23 00:00
 Date Received: 08/24/23
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
-------------------------------------	----	------	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	105		70-130

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/28/23 08:40
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1821482-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/28/23 08:40
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1821482-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/28/23 08:40
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1821482-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/28/23 08:40
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-04 Batch: WG1821482-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	104		70-130

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/29/23 20:00
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1822026-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/29/23 20:00
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1822026-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/29/23 20:00
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1822026-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/29/23 20:00
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1822026-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE

Lab Number: L2349472

Project Number: 11672B

Report Date: 08/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1821482-3 WG1821482-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	90		90		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	120		110		39-139	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE

Lab Number: L2349472

Project Number: 11672B

Report Date: 08/30/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1821482-3 WG1821482-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	94		98		70-130	4		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	97		98		63-130	1		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	94		94		64-130	0		20
Acrylonitrile	96		97		70-130	1		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	98		97		36-147	1		20
Acetone	93		84		58-148	10		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	85		88		63-138	3		20
Vinyl acetate	180	Q	180	Q	70-130	0		20
4-Methyl-2-pentanone	87		92		59-130	6		20
2-Hexanone	81		84		57-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE

Lab Number: L2349472

Project Number: 11672B

Report Date: 08/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1821482-3 WG1821482-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	93		87		41-144	7		20
Hexachlorobutadiene	97		97		63-130	0		20
Isopropylbenzene	100		110		70-130	10		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	90		90		70-130	0		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	98		98		70-130	0		20
1,2,4-Trichlorobenzene	97		99		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	120		122		56-162	2		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE

Project Number: 11672B

Lab Number: L2349472

Report Date: 08/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-04 Batch: WG1821482-3 WG1821482-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	88		90		70-130	2		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		108		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	97		94		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE

Project Number: 11672B

Lab Number: L2349472

Report Date: 08/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1822026-3 WG1822026-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	130		120		62-150	8		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	90		91		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	100		100		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE

Lab Number: L2349472

Project Number: 11672B

Report Date: 08/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1822026-3 WG1822026-4								
Vinyl chloride	130		120		55-140	8		20
Chloroethane	140	Q	130		55-138	7		20
1,1-Dichloroethene	120		110		61-145	9		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		99		70-130	11		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	97		95		63-130	2		20
p/m-Xylene	110		110		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	95		96		64-130	1		20
Acrylonitrile	110		110		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	110		100		58-148	10		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	110		97		63-138	13		20
Vinyl acetate	180	Q	190	Q	70-130	5		20
4-Methyl-2-pentanone	92		87		59-130	6		20
2-Hexanone	84		84		57-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE

Lab Number: L2349472

Project Number: 11672B

Report Date: 08/30/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1822026-3 WG1822026-4								
Bromochloromethane	120		110		70-130	9		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	110		110		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	94		90		41-144	4		20
Hexachlorobutadiene	97		98		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	87		88		70-130	1		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	95		96		70-130	1		20
1,2,4-Trichlorobenzene	93		94		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	136		122		56-162	11		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE PLACE

Project Number: 11672B

Lab Number: L2349472

Report Date: 08/30/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1822026-3 WG1822026-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	88		86		70-130	2		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	113		114		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	106		106		70-130

Project Name: COTTAGE PLACE**Lab Number:** L2349472**Project Number:** 11672B**Report Date:** 08/30/23**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2349472-01A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-01B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-01C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-02A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-02B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-02C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-03A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-03B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-04A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-04B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2349472-04C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: COTTAGE PLACE
Project Number: 11672B

Lab Number: L2349472
Report Date: 08/30/23

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

EPA 522, EPA 537.1.

Non-Potable Water


EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page	Date Rec'd In Lab	ALPHA Job #	
		1 of 1	8/25/23	L2349472	
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-8193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Project Information		Deliverables	Billing Information
Client Information		Project Name: Cottage Place		<input type="checkbox"/> ASP-A	<input checked="" type="checkbox"/> Same as Client Info
Client: SEST		Project Location: New Rochelle NY		<input type="checkbox"/> EQUIS (1 File)	PO # 11672B
Address: 959 US 46 F13 S300		Project # 11672B		<input type="checkbox"/> Other	
Parsippany NJ 07054		(Use Project name as Project #) <input type="checkbox"/>		Regulatory Requirement	
Phone: 973 908 9050		Project Manager: Steve Gustems		<input type="checkbox"/> NY TOGS	<input type="checkbox"/> NY Part 375
Fax:		ALPHAQuote #:		<input checked="" type="checkbox"/> AWQ Standards	<input type="checkbox"/> NY CP-51
Email: 559@sesi.org		Turn-Around Time		<input type="checkbox"/> NY Restricted Use	<input type="checkbox"/> Other
		Standard <input checked="" type="checkbox"/> Due Date:		<input type="checkbox"/> NY Unrestricted Use	<input type="checkbox"/> NJ <input type="checkbox"/> NY
		Rush (only if pre approved) <input type="checkbox"/> # of Days:		<input type="checkbox"/> NYC Sewer Discharge	<input type="checkbox"/> Other:
These samples have been previously analyzed by Alpha <input type="checkbox"/>			ANALYSIS		Disposal Site Information
Other project specific requirements/comments:			VOCs Only		Please identify below location of applicable disposal facilities.
Please specify Metals or TAL.					Disposal Facility:
					<input type="checkbox"/> NJ <input type="checkbox"/> NY
					<input type="checkbox"/> Other:
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
49472-01	MW-3	08/24	940	GW	CB
02	DUP-MW			GW	CB
03	FB20230824				CB
04	FB20230824				CB
Preservative Code:		Container Code		Westboro: Certification No: MA935	
A = None		P = Plastic		Mansfield: Certification No: MA015	
B = HCl		A = Amber Glass		Container Type	
C = HNO ₃		V = Vial		Preservative	
D = H ₂ SO ₄		G = Glass			
E = NaOH		B = Bacteria Cup			
F = MeOH		C = Cube			
G = NaHSO ₄		O = Other			
H = Na ₂ S ₂ O ₅		E = Encore			
K/E = Zn Ac/NaOH		D = BOD Bottle			
O = Other					
		Relinquished By:		Received By:	
		Date/Time		Date/Time	
		08/24/23 1530		8-24-23 1925	
		8-24-23 1925		Anthony Green AUG 24 2023	
		Anthony Green		8/25/23 0405	
		8/25/23 0405		8/25/23 0405	

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



ANALYTICAL REPORT

Lab Number:	L2410276
Client:	Soils Engineering Services, Inc. 959 Route 46E Parsippany, NJ 07054
ATTN:	Steven Gustems
Phone:	(973) 808-9050
Project Name:	COTTAGE GARDEN
Project Number:	11672B
Report Date:	03/04/24

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2410276-01	MW-3	WATER	NEW ROCHELLE, NY	02/26/24 09:40	02/26/24
L2410276-02	MW-4	WATER	NEW ROCHELLE, NY	02/26/24 10:40	02/26/24
L2410276-03	DUP-MW022624	WATER	NEW ROCHELLE, NY	02/26/24 00:00	02/26/24
L2410276-04	FB20240226	WATER	NEW ROCHELLE, NY	02/26/24 09:00	02/26/24
L2410276-05	TB20240226	WATER	NEW ROCHELLE, NY	02/26/24 00:00	02/26/24

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2410276-01: The surrogate recoveries were outside the acceptance criteria for dibromofluoromethane (12%) and 1,2-dichloroethane-d4 (145%); however, re-analysis achieved similar results: dibromofluoromethane (20%) and 1,2-dichloroethane-d4 (140%). The results of the original analysis are reported.

L2410276-02: The surrogate recoveries were outside the acceptance criteria for dibromofluoromethane (44%) and 1,2-dichloroethane-d4 (149%); however, re-analysis achieved similar results: dibromofluoromethane (50%) and 1,2-dichloroethane-d4 (139%). The results of the original analysis are reported.

L2410276-03: The surrogate recoveries were outside the acceptance criteria for dibromofluoromethane (14%) and 1,2-dichloroethane-d4 (137%); however, re-analysis achieved similar results: dibromofluoromethane (20%) and 1,2-dichloroethane-d4 (140%). The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 03/04/24

ORGANICS

VOLATILES

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-01
 Client ID: MW-3
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 09:40
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 02/29/24 00:11
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN**Lab Number:** L2410276**Project Number:** 11672B**Report Date:** 03/04/24**SAMPLE RESULTS**

Lab ID: L2410276-01
 Client ID: MW-3
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 09:40
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.4		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.0	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-01
 Client ID: MW-3
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 09:40
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	145	Q	70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	12	Q	70-130

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-02
 Client ID: MW-4
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 10:40
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 02/29/24 00:36
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN

Lab Number: L2410276

Project Number: 11672B

Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-02
 Client ID: MW-4
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 10:40
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	27		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-02
 Client ID: MW-4
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 10:40
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatiles Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

Total TIC Compounds	1.63	J	ug/l			1
Unknown	1.63	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	149	Q	70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	44	Q	70-130

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-03
 Client ID: DUP-MW022624
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 00:00
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 02/29/24 01:00
 Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.22	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN

Lab Number: L2410276

Project Number: 11672B

Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-03
 Client ID: DUP-MW022624
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 00:00
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-03
 Client ID: DUP-MW022624
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 00:00
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l 1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	137	Q	70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	14	Q	70-130

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-04
 Client ID: FB20240226
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 09:00
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 02/28/24 11:56
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN**Lab Number:** L2410276**Project Number:** 11672B**Report Date:** 03/04/24**SAMPLE RESULTS**

Lab ID: L2410276-04
 Client ID: FB20240226
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 09:00
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-04
Client ID: FB20240226
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 09:00
Date Received: 02/26/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
-------------------------------------	----	------	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-05
 Client ID: TB20240226
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 00:00
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260D
 Analytical Date: 02/28/24 12:18
 Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN

Lab Number: L2410276

Project Number: 11672B

Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-05
 Client ID: TB20240226
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 00:00
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

SAMPLE RESULTS

Lab ID: L2410276-05
 Client ID: TB20240226
 Sample Location: NEW ROCHELLE, NY

Date Collected: 02/26/24 00:00
 Date Received: 02/26/24
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1
-------------------------------------	----	------	---

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/28/24 08:17
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1890173-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/28/24 08:17
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1890173-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/28/24 08:17
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1890173-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/28/24 08:17
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1890173-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/28/24 22:08
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1890647-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/28/24 22:08
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1890647-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/28/24 22:08
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1890647-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/l

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/28/24 22:08
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1890647-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1890173-3 WG1890173-4								
Methylene chloride	93		100		70-130	7		20
1,1-Dichloroethane	95		100		70-130	5		20
Chloroform	95		110		70-130	15		20
Carbon tetrachloride	96		110		63-132	14		20
1,2-Dichloropropane	90		100		70-130	11		20
Dibromochloromethane	90		100		63-130	11		20
1,1,2-Trichloroethane	91		110		70-130	19		20
Tetrachloroethene	99		120		70-130	19		20
Chlorobenzene	95		110		75-130	15		20
Trichlorofluoromethane	120		130		62-150	8		20
1,2-Dichloroethane	88		100		70-130	13		20
1,1,1-Trichloroethane	94		110		67-130	16		20
Bromodichloromethane	90		100		67-130	11		20
trans-1,3-Dichloropropene	88		93		70-130	6		20
cis-1,3-Dichloropropene	88		98		70-130	11		20
1,1-Dichloropropene	95		100		70-130	5		20
Bromoform	81		110		54-136	30	Q	20
1,1,1,2-Tetrachloroethane	82		110		67-130	29	Q	20
Benzene	98		110		70-130	12		20
Toluene	95		100		70-130	5		20
Ethylbenzene	94		100		70-130	6		20
Chloromethane	88		94		64-130	7		20
Bromomethane	110		120		39-139	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1890173-3 WG1890173-4								
Vinyl chloride	94		98		55-140	4		20
Chloroethane	97		150	Q	55-138	43	Q	20
1,1-Dichloroethene	97		110		61-145	13		20
trans-1,2-Dichloroethene	98		110		70-130	12		20
Trichloroethene	95		100		70-130	5		20
1,2-Dichlorobenzene	88		110		70-130	22	Q	20
1,3-Dichlorobenzene	89		110		70-130	21	Q	20
1,4-Dichlorobenzene	88		110		70-130	22	Q	20
Methyl tert butyl ether	84		100		63-130	17		20
p/m-Xylene	95		105		70-130	10		20
o-Xylene	95		105		70-130	10		20
cis-1,2-Dichloroethene	99		110		70-130	11		20
Dibromomethane	90		100		70-130	11		20
1,2,3-Trichloropropane	79		100		64-130	23	Q	20
Acrylonitrile	85		100		70-130	16		20
Styrene	95		105		70-130	10		20
Dichlorodifluoromethane	80		85		36-147	6		20
Acetone	79		96		58-148	19		20
Carbon disulfide	98		100		51-130	2		20
2-Butanone	74		92		63-138	22	Q	20
Vinyl acetate	84		100		70-130	17		20
4-Methyl-2-pentanone	74		87		59-130	16		20
2-Hexanone	69		86		57-130	22	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN

Lab Number: L2410276

Project Number: 11672B

Report Date: 03/04/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1890173-3 WG1890173-4								
Bromochloromethane	95		110		70-130	15		20
2,2-Dichloropropane	98		110		63-133	12		20
1,2-Dibromoethane	91		100		70-130	9		20
1,3-Dichloropropane	91		100		70-130	9		20
1,1,1,2-Tetrachloroethane	94		100		64-130	6		20
Bromobenzene	88		110		70-130	22	Q	20
n-Butylbenzene	88		100		53-136	13		20
sec-Butylbenzene	88		110		70-130	22	Q	20
tert-Butylbenzene	86		100		70-130	15		20
o-Chlorotoluene	88		100		70-130	13		20
p-Chlorotoluene	87		100		70-130	14		20
1,2-Dibromo-3-chloropropane	76		110		41-144	37	Q	20
Hexachlorobutadiene	92		100		63-130	8		20
Isopropylbenzene	86		110		70-130	24	Q	20
p-Isopropyltoluene	88		100		70-130	13		20
Naphthalene	82		100		70-130	20		20
n-Propylbenzene	88		100		69-130	13		20
1,2,3-Trichlorobenzene	88		100		70-130	13		20
1,2,4-Trichlorobenzene	87		100		70-130	14		20
1,3,5-Trimethylbenzene	88		100		64-130	13		20
1,2,4-Trimethylbenzene	87		110		70-130	23	Q	20
1,4-Dioxane	90		112		56-162	22	Q	20
p-Diethylbenzene	85		100		70-130	16		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1890173-3 WG1890173-4								
p-Ethyltoluene	88		100		70-130	13		20
1,2,4,5-Tetramethylbenzene	81		100		70-130	21	Q	20
Ethyl ether	120		140	Q	59-134	15		20
trans-1,4-Dichloro-2-butene	77		93		70-130	19		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	101		98		70-130
4-Bromofluorobenzene	92		97		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1890647-3 WG1890647-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		100		70-130	10		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	86		85		63-130	1		20
1,1,2-Trichloroethane	95		93		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	99		100		75-130	1		20
Trichlorofluoromethane	130		130		62-150	0		20
1,2-Dichloroethane	110		120		70-130	9		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	88		87		70-130	1		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	76		79		54-136	4		20
1,1,1,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	53		53		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1890647-3 WG1890647-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	160	Q	150	Q	55-138	6		20
1,1-Dichloroethene	120		120		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	99		99		70-130	0		20
Methyl tert butyl ether	110		120		63-130	9		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	130		140		58-148	7		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	110		120		63-138	9		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	92		100		59-130	8		20
2-Hexanone	100		110		57-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1890647-3 WG1890647-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	97		97		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	87		87		64-130	0		20
Bromobenzene	98		100		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	99		100		70-130	1		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	76		82		41-144	8		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	99		100		70-130	1		20
1,3,5-Trimethylbenzene	94		95		64-130	1		20
1,2,4-Trimethylbenzene	94		96		70-130	2		20
1,4-Dioxane	114		108		56-162	5		20
p-Diethylbenzene	95		97		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: COTTAGE GARDEN

Project Number: 11672B

Lab Number: L2410276

Report Date: 03/04/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1890647-3 WG1890647-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	97		97		70-130	0		20
Ethyl ether	110		120		59-134	9		20
trans-1,4-Dichloro-2-butene	64	Q	73		70-130	13		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	110		113		70-130
Toluene-d8	99		96		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	104		102		70-130

Project Name: COTTAGE GARDEN**Lab Number:** L2410276**Project Number:** 11672B**Report Date:** 03/04/24**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2410276-01A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-01B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-01C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-02A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-02B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-02C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-03A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-03B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-03C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-04A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-04B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-04C	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-05A	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)
L2410276-05B	Vial HCl preserved	A	NA		4.5	Y	Absent		NYTCL-8260(14)

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

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

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

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

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: COTTAGE GARDEN
Project Number: 11672B

Lab Number: L2410276
Report Date: 03/04/24

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270E: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B

EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables).

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.

EPA 522, EPA 537.1.

Non-Potable Water



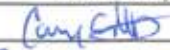


EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page		Date Rec'd in Lab	2/27/24	ALPHA Job # 12410276			
		1 of 1							
Project Information Project Name: Cottage Garden Project Location: New Rochelle, NY Project # 11672 B		Deliverables <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		Billing Information <input checked="" type="checkbox"/> Same as Client PO #					
Client Information Client: SESE Address: 959 US46 F13 S300 Parsippany NJ 07054 Phone: 973 808 9050 Fax: Email: SSG@SESE.ORG		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input checked="" type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:					
Turn-Around Time Standard <input checked="" type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days: 5									
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments:				ANALYSIS Total Bottles					
Please specify Metals or TAL.									
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials				
		Date	Time						
10276-01	MW-3	2/26/24	940	GW	CB	✓			
-02	MW-4	↓	1040	↓	CB	✓			
-03	DUP- MW 022624	↓	-	-	CB	✓			
-04	FB20240226	↓	900	DEwater	CB	✓			
-05	TB20240226	↓	-	Trip Blank	CB	✓			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type <input checked="" type="checkbox"/> V Preservative B			
		Relinquished By:		Date/Time		Received By:		Date/Time	
				2/26/24 17:20 2/26/24 18:55				2/26/24 17:20 2/26/24 18:56	
				2/26/24 2/27/24 0:30				2/26/24 22:00 2/27/24 00:30	
Form No: 01-25 HC (rev. 30-Sept-2013)		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)							

Appendix D:
NYSDEC IC Certification Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



	Site Details	Box 1	
Site No.	C360180		
Site Name Cottage-Garden Auto Repair Site			
Site Address: 20 Garden St., 26 Garden St. and 10 Cottage Place		Zip Code: 10801	
City/Town: New Rochelle			
County: Westchester			
Site Acreage: 0.988			
Reporting Period: April 30, 2023 to April 30, 2024			
		YES	NO
1.	Is the information above correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.			
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.			
5.	Is the site currently undergoing development?	<input checked="" type="checkbox"/>	
		Box 2	
		YES	NO
6.	Is the current site use consistent with the use(s) listed below? Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.	Are all ICs in place and functioning as designed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.			
A Corrective Measures Work Plan must be submitted along with this form to address these issues.			

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? YES NO

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? YES NO
(The Qualitative Exposure Assessment must be certified every five years)

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C360180**Box 3****Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
3-802-0101	Joseph Simone	Site Management Plan Monitoring Plan IC/EC Plan
Quarterly monitoring of groundwater. Soil vapor assessment.		
3-802-0102	Joseph Simone	Site Management Plan Monitoring Plan IC/EC Plan
Quarterly monitoring of groundwater. Soil vapor assessment.		
3-802-0103	Joseph Simone	Site Management Plan Monitoring Plan IC/EC Plan
Quarterly monitoring of groundwater. Soil vapor assessment.		
3-802-0104	Joseph Simone	Site Management Plan Monitoring Plan IC/EC Plan
Quarterly monitoring of groundwater. Soil vapor assessment.		
3-802-0105	Joseph Simone	Monitoring Plan IC/EC Plan Site Management Plan
Quarterly monitoring of groundwater. Soil vapor assessment.		
3-802-0106 (portion of)	Joseph Simone	Site Management Plan Monitoring Plan IC/EC Plan
Groundwater Monitoring Soil Vapor Assessment		

Box 4**Description of Engineering Controls**

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C360180

Box 6


SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Mark Stagg at 1763 Pitman Ave Bronx Ny 10466
print name print business address

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

5/28/2004
Date