G. C. Environmental, Inc.
CONSULTANTS CONTRACTORS

Automobile Club of New York / AAA
(Now Known AAA Northeast)
WESTCHESTER, NEW YORK

Periodic Review Report
(October 14, 2019 to October 14, 2020)

NYSDEC Site Number: 360095

Prepared for:
Automobile Club of New York
1415 Kellum Place
Garden City, New York 11530

Prepared by:
G. C. Environmental, Inc
22 Oak Street
Bay Shore, New York 11706
631-206-3700

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PROFESSIONAL ENGINEER CERTIFICATION

I, Dean Devoe P.E., certify that I am currently a New York State registered professional engineer as defined in 6 NYCRR Part 375 and that this Periodic Review Report (PRR) was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Signature, Registered Professional Engineer



Dean Devoe, P.E.
Printed Name, Registered Professional Engineer

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Periodic Review Report

1.0 INTRODUCTION

This document is required as an element of the remedial program at Automobile Club of New York (hereinafter referred to as the Site) under the New York State Inactive Hazardous Waste Disposal Site Remediation Program administered by New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with Order on Consent Index No. D3-0504-06-09, Site # 360095, which was executed on December 29, 2006.

This PRR covers the period October 14, 2019 thru October 14, 2020.

A Site Management Plan (SMP), dated April 2015, is in place for ongoing remedial activities. This PRR presents the results of monitoring activities outlined in the SMP.

1.1 Summary of Site Contamination and Remedial History

The Site was previously occupied by W.S. Verplanck Coal, Feed & Building Materials, lumber sheds, Yonkers Fuel & Builders Corp. for coal storage, a gasoline tank on the southern portion of the Site which were used by Yonkers Builders Supply Co, and as a factory by Melrose Salvage Co. for the collecting, baling and shipping of waste paper. The Site has been utilized as an automotive repair facility since 1975.

The Site was remediated in accordance with the NYSDEC-approved SC/IRM Work Plan, dated May 11, 2007.

An Interim Remedial Measure (IRM) was conducted in 2009 which consisted of excavating contaminated soil exceeding restricted commercial SCOs to a depth of 4.5 feet in the area by the former dry well.

The IRM remedial activities were completed at the Site in January 2009 as detailed in Section 2.2.

1.2 Effectiveness of the Remedial Program and Compliance

The remedial activities completed at the Site have been effective, based on the results of air/groundwater/soil monitoring.

No areas of non-compliance with the SMP have been identified.

1.3 Recommendations

Groundwater sampling results were compared with the previous sampling results. Based on sampling results, GCE recommends groundwater sampling events should be discontinued.

Based on air sample results, it appears that the SVE system is removing VOCs, but the requirement listed in the SVE work plan is not achieved. Therefore, GCE recommended further investigation of potential strategies to expedite the SVE termination.

GCE does not recommend any change to the frequency for submittal of PRRs.

The requirements for discontinuing site management have not been met at this time.

2.0 SITE OVERVIEW

2.1 Site Description

The Site is located at 101 Westmoreland Avenue, White Plains, Westchester County, New York and is identified as Block 1, Lot 1 in the City of White Plains, Westchester County. The Site is situated on an approximately 0.206-acre area bounded by Metro North Railroad tracks to the north, Westmoreland Avenue/commercial property – 90 Westmoreland Avenue to the south, commercial property – 87 Westmoreland Avenue to the east, and multi-story residential property – 121 Westmoreland Avenue to the west (see Figure 1)

- Site Characterization and Interim Remedial Measures (IRM) Work Plan, dated May 11, 2007 (the SC/IRM Work Plan.).

- Revised Site Characterization Report, dated November 11, 2013 (the SC Report).

Below is a summary of site conditions when the RI was performed in 2007 through 2009.

<u>Soil</u>

- In 2007, soil surrounding the former dry well was further delineated and additional borings were installed and sampled at the Site. Six (6) soil borings, B-12 through B-17 were installed in that area and soil samples from these borings were analyzed. The results from B-12, advanced through the concrete pad covering the former dry well (6 inches away from B-1), detected PCE at 14 mg/kg. All other samples were either non-detect or below standards except for B-15 and B-14, which contained low concentrations of PCE. The sampling also determined that the area by the former dry well contained old fill material in the top two (2) feet. In 2008, three additional soil borings were installed, B-18 through B-20. Soil samples from soil borings B-12 through B-20 were obtained

and analyzed. All the samples were either non-detected or detected below the regulatory standards.

- In January 2009, the IRM was conducted which included excavating contaminated soil from the area of the former dry well. In February and March 2009, as part of the SC investigation, four (4) additional soil borings were installed (B-21 through B-24) in the parking lot on the northeast side of the Site. Petroleum hydrocarbons found in soil samples from B21 through B-24 were mostly below regulatory standards. Soil samples from B-23 and B-24 contained a few SVOCs, (benzo(a) anthracene, Benzo (b)fluoranthene, benzo(k)fluoranthene and chrysene), above regulatory standards but only in the fill material (0 to 3 feet below grade). The soil below this interval was found to be clean.

Site-Related Groundwater

Groundwater samples from the central portion of the Site located close to and down-gradient from the dry well contained PCE and its breakdown products, but at concentrations below 5 ug/l, which is the applicable groundwater standard. Concentrations of PCE were found to increase to the north and east and were highest in MW-6 and MW-9 (13 to 27 ug/l) along the northern boundary and in MW-2 and MW-3 (16 to 20 ug/l) along the eastern boundary of the Site. These data indicate that the main source(s) of PCE in groundwater are located off-site. 1,1,1-TCA and its breakdown products (1,1-DCA and 1,1-DCE) increase to the east and southwest and are highest in MW-2 (57 ug/l) along the eastern boundary of the Site and in MW-7 and MW-8 (100 to 240 ug/l) along the southwestern boundary of the Site. This data along with the soil vapor data discussed in the next section, are indicative of 1,1,1-TCA originating off-site. During the last sampling round of the SC work in 2009, petroleum hydrocarbons were found in MW-9, located down-gradient of the removed USTs. However, the concentration of BTEX (2 ug/l) was detected below groundwater standards. This data indicated that the source of petroleum contamination was most likely the former/removed USTs that were located near soil boring B-5. The data also indicated that the petroleum plume was limited and moving slowly in the northwest direction, along the general direction of groundwater flow. The area beneath the building was essentially clean of petroleum products by 2009. During the 2009 SC investigation, petroleum hydrocarbons were detected in the groundwater sample taken from soil boring B-21, located in the parking lot along the northern boundary, about 25 feet to the east and cross-gradient of the location of the former UST area. The total BTEX concentrations (2 ug/l) were far below the groundwater standard, but the sample did contain concentrations of 1,2,4-trimethylbenzene (23 ug/l), 1,3,5-trimethylbenzene (12 ug/l) and naphthalene (64 ug/l) all of which exceed their respective groundwater standard. The source of this impact is not known and most likely is located off-site, on property located to the north of the Site.

Site-Related Soil Vapor Intrusion

Low BTEX concentrations, ranging between 40.38 and 247.26 mcg/m^3 were detected in

the soil vapor samples and in the indoor and outdoor ambient air samples conducted as part of the 2009 SC. Concentrations of BTEX detected in the deep soil vapor probe SS-7. SS-7 is located down-gradient of the removed USTs. The concentration of 1,1,1-TCA detected in SS-9 indicates that 1,1,1-TCA most likely originated from up-gradient off-site sources. In addition, SS-9 contained breakdown products of 1,1,1-TCA, namely 1,1-DCE (83.37 ug/m^3) and 1,1-DCA (33.22 ug/m^3), which were not detected in any other soil vapor samples. The PCE concentration detected in SS-9 was also elevated, suggesting an off-site (up-gradient) contribution of PCE to the groundwater. The concentration of PCE (6,785 ug/m^3) in SS-3 indicates that potential source of PCE is located in the area of SS-3, which is proposed to be addressed by installation of the SVE system in this area.

The results of the 2009 SC investigation found that the former dry well was a small local source of chlorinated solvents from historical operations.

Underground Storage Tanks

- In 2007, the 550-gallon waste oil UST was tightness tested, closed, and abandoned in place.

2.2 Remedial History

The Site was remediated in accordance with the NYSDEC-approved SC/IRM Work Plan, dated May 11, 2007.

The following is a summary of the Remedial Actions performed at the Site:

1. Excavation of soil/fill exceeding restricted commercial SCOs to a depth of 4.5 feet in the area by the former dry well.

2. Development and implementation of a SMP for long term management of remaining contamination as required by the Environmental Easement, which includes plans for: (1) ICs and ECs, (2) monitoring, (3) operation and maintenance and (4) reporting;

3. Installation of the soil vapor extraction (SVE) system.

The IRM remedial activities were completed at the Site in January 2009.

3.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

This section describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site. The implemented remedy

includes source removal, construction and maintenance of a soil cover system, install SVE unit system. The implemented remedy includes SVE system monitoring, construction and maintenance of a soil cover system, and groundwater monitoring.

3.1 Performance

In 2007 the 550-gallon waste oil UST was tightness tested, closed and abandoned in place.

The contaminated soil removal was accomplished through an IRM that removed the contaminated soil to the depth of approximately 4.5 feet in the area of the dry well.

The SVE was installed at the exterior rear of the building at the western portion of the Site adjacent to the exterior auto detailing area.

An Environmental Easement was filed that will require compliance with the SMP and the ECs and ICs.

3.2 Effectiveness

The cover system is a permanent control, and the quality and integrity of this system is inspected at defined, regular intervals. Exposure to remaining contamination in soil/fill at the Site is prevented by a soil cover system placed over the Site. Soil vapor sampling is performed on a periodic basis to assess the performance of the remedy.

Groundwater monitoring is also performed on a periodic basis to assess the performance of the remedy. All monitoring well sampling activities are recorded in a field book and a groundwater-sampling log. Other observations (e.g., well integrity, etc.) is noted on the well sampling log. The well sampling log serves as the inspection form for the groundwater monitoring well network.

3.3 Protectiveness

The implemented remedy achieves the remedial action objective to protect human health and the environment. The impacted soil removed during the source removal action was transported offsite for disposal at a permitted disposal facility. This action of removing the impacted material from the Site effectively removed the source of contamination from the environment and eliminated human exposure.

Groundwater sampling and analysis is performed to monitor the concentration of residual compounds in groundwater at the Site. The results of the sampling and analysis indicate that the contamination is likely from offsite sources.

The results further indicate the concentrations of VOCs in onsite groundwater have been substantially reduced compared to historical levels. These conditions indicate it is

unlikely that VOCs have migrated or will migrate offsite. Human exposure is not an issue due to the absence of a pathway for human contact with, or use of, the impacted groundwater under the conditions of the restricted commercial use of the Site.

4.0 IC/EC COMPLIANCE REPORT

4.1 Institutional Controls

A series of ICs is required to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and, (3) limit the use and development of the Site to commercial or industrial use only. Adherence to these ICs on the Site will be required by the Environmental Easement and will be implemented under this SMP. These ICs are:

- Compliance with the Environmental Easement and this SMP by the Grantor and the Grantor's successors and assigns;
- All ECs must be operated and maintained as specified in this SMP;
- All ECs on the Controlled Property must be inspected at a frequency and in a manner defined in the SMP.
- Soil vapor and other environmental or public health monitoring must be performed as defined in this SMP;
- Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in this SMP;

ICs that are identified in the Environmental Easement may not be discontinued without an amendment to or extinguishment of the Environmental Easement.

The Site has a series of ICs in the form of site restrictions. Adherence to these ICs will be required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The property may only be used for commercial or industrial use provided that the long-term ECs and ICs included in this SMP are employed.
- The property may not be used for a higher level of use, such as unrestricted and restricted residential use, without additional remediation and amendment of the Environmental Easement, as approved by the NYSDEC;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with this SMP;

- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;

- The potential for vapor intrusion must be evaluated for any buildings developed on site, and any potential impacts that are identified must be monitored or mitigated;

- Vegetable gardens and farming on the property are prohibited;

- The site owner or remedial party will submit to NYSDEC a written statement that certifies, under penalty of perjury, that: (1) controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Controlled Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable.

4.2 Engineering Controls

Soil Cover

Exposure to remaining contamination in soil/fill at the Site is prevented by a soil cover system placed over the Site. The building slab and pavement will act as a site cover for residual contaminated soils that exceed soil clean up objectives for the site use.

The Excavation Work Plan outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection and maintenance of this cover are provided in the Monitoring Plan included in Section 4 of the SMP.

Soil Vapor Extraction System

Since contaminated soil vapor exists beneath the Site, an EC is required to protect human Since contaminated soil vapor exists beneath the Site, an EC is required to protect human health and the environment. The Site has the following primary ECs, as described in the followings.

4.3 Corrective Measures

The IC/EC described above are fully in place and effective. Therefore, no corrective measures are proposed at this time.

4.4 IC/EC Certification

The NYSDEC Institutional and Engineering Controls (IC/EC) Certification Form is provided as Appendix A.

5.0 MONITORING PLAN COMPLIANCE REPORT

5.1 Components of the Monitoring Plan

The Monitoring Plan describes the measures for evaluating the performance and effectiveness of the remedy to reduce or mitigate contamination at the Site, the soil cover system, and all affected Site media identified below. The SMP contains details of the Site Monitoring Plan. Components of the monitoring plan are summarized below.

Table: Monitoring/Inspection Schedule

Monitoring Program	Frequency*	Matrix	Analysis
SVE System	Monthly	SVE Technician	Field
Cover System	Monthly	Field Technician	Field
Groundwater	Quarterly for 1st year, semi annually thereafter, annually since Sep, 2018	Groundwater	VOCs/SVOCs

*The frequency of events will be conducted as specified until otherwise approved by NYSDEC and NYSDOH.

5.1.1 Cover System Monitoring

The cover system is a permanent control and the quality and integrity of this system will be inspected at defined, regular intervals. Exposure to remaining contamination in soil/fill at the Site is prevented by a soil cover system placed over the Site. The building slab and pavement act as a site cover for residual contaminated soils that exceed soil clean up objectives for the site use.

5.1.2 Groundwater Monitoring

Groundwater monitoring was performed on a periodic basis to assess the performance of the remedy.

The network of monitoring wells has been installed to monitor both up-gradient and down-gradient groundwater conditions at the Site. The network of on-site wells has been designed based on the following criteria:

The sampling frequency may be modified with the approval NYSDEC. The SMP will be modified to reflect changes in sampling plans approved by NYSDEC.

Groundwater monitoring frequency has changed as annually since September 2018 with an approval of the NYSDEC.

5.1.3 Sampling Protocol

All monitoring well sampling activities will be recorded in a field book and a groundwater-sampling log.

5.1.4 Site-Wide Inspection

Site-wide inspections are performed on a regular schedule at a minimum of once a year.

5.2 Summary of Monitoring Data

5.2.1 Summary of Cover System Monitoring

The routine inspection of the cover system was conducted by GCE personnel. The building slab and pavement act as a site cover for residual contaminated soils that exceed soil clean up objectives for the site use. The cover system was not breached, penetrated or temporarily removed, and any underlying remaining contamination was not disturbed during the system inspection. Nevertheless, surficial cracks in the floor were observed near the remediation work area (Photo 12) but not at the SVE well location (Photo 11) and therefore are not contributing to any contaminant detections in the soil vapor (Please see attached Photolog).

5.2.2 Summary of Groundwater Monitoring

Groundwater monitoring data for 2020 and prior sampling events is summarized in Table 2. During 2020 sampling event, groundwater samples were collected at seven (7) existing monitoring well locations (MW-2 through MW-8) at the Subject Site. During this investigation, MW-1 was clogged, and no sample was collected. Due to limited access to the MW-9, groundwater sample was not able to be collected from this location. The seven (7) on-site monitoring wells were sampled via disposable bailer and analyzed for VOCs/SVOCs. The results are compared to New York State Department of Environmental Conservation (NYSDEC)-Technical & Operational Guidance Series (TOGS) Ambient Water Quality Standards. Figure 2 shows the monitoring well locations.

The lab analytical results dated August 28, 2020 was compared with the previous lab analytical results dated September 26, 2019 and findings are described as follows: The lab analytical results dated August 28, 2020 indicates that 1,1,1-Trichloroethane concentration in MW-2, MW-3, MW-4, MW-5, MW-6, and MW-8 were increased at an

average 2-6 ug/l, in MW-2 at an average of 17 ug/l; in MW-7 was decreased at an average 5 ug/l. Tetrachloroethene concentration in MW-3 and MW-6 were increased at an average 1-4 ug/l; in MW-2, MW-4, and MW-5 decreased at an average of 1-4 ug/l; in MW-7 and MW-8 remained the same.

Two compounds of SVOCs at moderate level were found in MW-6 and MW-7 as shown in Table 2: Summary of Groundwater Samples Analytical Data Results and Graphic 2 and Figure 3: Exceedances Groundwater Sample Results.

5.2.3 Summary of Air Sampling Monitoring

Air samples were collected at four (4) locations in the SVE system: at the SVE system blower discharge (SP-1), at the discharge of the GAC vessel (SP-2) when the SVE system was running and at the each SVE wells (SV-1 and SV-2) taken at the repair shop area when the SVE system was shutdown. The air samples were collected using SUMMA canisters over an elapsed time of 1 hour. The air samples were boxed and shipped to the Phoenix Environmental Laboratories (PEL), a New York State ELAP-approved laboratory for analysis of VOC using EPA Method TO-15. PID readings were 0.00 ppm at all sampling locations. Air samples were collected quarterly.

Within the approval of the NYSDEC, mass calculations were calculated based on the target compounds of 1,1,1-Trichloroethane, Tetrachloroethene, Trichloroethene and their break down compounds of 1,1-Dichloroethane, 1,1-Dichloroethene, Cis-1,2-Dichloroethene, Trans-1,2-Dichloroethene, and Vinyl Chloride.

Air samples were collected October 2019 at an average flow rate of approximately 50 cfm (approximately 72,000 cu. ft/day) the SVE system was estimated to be removing approximately 0.23 lbs of total VOC per period; in January 2020 approximately 0.03 lbs of total VOC per period; in April 2020 approximately 0.23 lbs of total VOC per period; in January 2020 approximately 0.03 lbs of total VOC per period; in September 2020 approximately 0.22 lbs of total VOC per period. See Table 1: Summary of Air Samples Analytical Data Results and Graphic 1.

5.2.4 Inspections

Inspections of all remedial components installed at the Site were conducted at the frequency specified in the SMP Monitoring Plan and Operation and Maintenance Plan of this SMP. At a minimum, a site-wide inspection was conducted annually. Inspections of remedial components will also be conducted when a breakdown of any treatment system component has occurred or whenever a severe condition has taken place, such as an erosion or flooding event that may affect the ECs. Inspections were conducted in accordance with the procedures set forth in the Monitoring Plan of this SMP.

The Site Inspection Form and Soil Cover System Inspection Form are provided as Appendix B. Photographs taken during the inspection are provided in Appendix C. The

results of the inspection and site monitoring data will be evaluated as part of the EC/IC certification.

5.3 Comparison with Remedial Objectives

The following discussion details the trends in each well for groundwater sampling and soil vapor points.

Groundwater samples were collected at seven (7) existing monitoring well locations (MW-2 through MW-8) at the Subject Site.

The lab analytical results dated August 28, 2020 was compared with the previous lab analytical results dated September 26, 2019 and findings are described as follows: The lab analytical results dated August 28, 2020 indicates that 1,1,1-Trichloroethane concentration in MW-2, MW-3, MW-4, MW-5, MW-6, and MW-8 were increased at an average 2-6 ug/l, in MW-2 at an average of 17 ug/l; in MW-7 was decreased at an average 5 ug/l. Tetrachloroethene concentration in MW-3 and MW-6 were increased at an average 1-4 ug/l; in MW-2, MW-4, and MW-5 decreased at an average of 1-4 ug/l; in MW-7 and MW-8 remained the same. Two compounds of SVOCs at moderate level were found in MW-6 and MW-7 as shown in Table 2: Summary of Groundwater Samples Analytical Data Results and Graphic 2.

Air samples were collected at four (4) locations in the SVE system: at the SVE system blower discharge (SP-1), at the discharge of the GAC vessel (SP-2) and at the each SVE wells (SV-1 and SV-2) taken at the repair shop area. Air samples were collected October 2019 at an average flow rate of approximately 50 cfm (approximately 72,000 cu. ft/day) the SVE system was estimated to be removing approximately 0.23 lbs of total VOC per period; in January 2020 approximately 0.03 lbs of total VOC per period; in April 2020 approximately 0.23 lbs of total VOC per period; in January 2020 approximately 0.03 lbs of total VOC per period; in September 2020 approximately 0.22 lbs of total VOC per period. See Table 1: Summary of Air Samples Analytical Data Results and Graphic 1.

Based on these results, it appears that the SVE system is removing VOCs.

5.4 Monitoring Deficiencies

Due to MW-1 and MW-9 were not accessible, no sampling was performed at this location. The trailer located on the MW-9 cannot be moved and MW-1 that was clogged during 2020 sampling event will be fixed.

5.5 Conclusions and Recommendations for Changes

Groundwater sampling results were compared with the previous sampling results.

The concentration of 1,1,1-Trichloroethane in monitoring wells were changed at average of 2-6 ug/l, an d17 ug/l for one monitoring well. The concentration of Tetrachloroethene

were changed at average of 1-4 ug/l. Based on these results, GCE recommends groundwater sampling events should be discontinued.

Based on air sample results, it appears that the SVE system is removing VOCs, but the requirement listed in the SVE work plan is not achieved. Therefore, GCE recommended further investigation of potential strategies to expedite the SVE termination.

6.0 OPERATION & MAINTENANCE PLAN COMPLIANCE REPORT

This Operation and Maintenance Plan describes the measures necessary to operate, monitor and maintain the mechanical components of the remedy selected for the Site. This Operation and Maintenance Plan.

- Includes the steps necessary to allow individuals unfamiliar with the Site to operate and maintain the SVE system;
- Includes an operation and maintenance contingency plan; and,
- Will be updated periodically to reflect changes in site conditions or the manner in which the SVE systems are operated and maintained.

6.1 General System Monitoring

The general system operations include routine process monitoring, performance monitoring, and compliance monitoring.

6.1.1 Process Monitoring

Process monitoring includes measurement of flow rates, vacuums/pressures, vapor concentrations, within the SVE process streams.

6.1.2 Performance Monitoring

Vapor concentrations are measured in the SVE process via field PID measurement and/or vapor samples for laboratory analysis. Vapor concentrations, vacuums/pressures, flow rates, temperatures are measured at wellheads and vapor probes. The performance monitoring data is used in conjunction with the process monitoring data to estimate the vapor mass removal rates, total mass removed by the SVE system, and provide data regarding vapor concentrations remaining in the subsurface.

6.1.3 Compliance Monitoring

Compliance monitoring data has a specific purpose to satisfy the air and water discharge

permit requirements.

6.1.3.1 Groundwater Level Monitoring

A key aspect to the operation strategy will be regular monitoring of the Site groundwater levels.

6.1.3.2 Well Field Optimization

VOC mass removal rates are maximized as much as possible by focusing on SVE wells within areas of higher vapor concentration/vapor production.

6.1.3.3 Soil Sampling

Soil cores are collected and field-screened for total organic vapors at discrete intervals using a PID and jar vapor-headspace methods. Screening results will be considered when selecting the soil interval to be submitted for laboratory analysis of VOCs by USEPA Method 8260.

No soil samples were collected during this period.

6.1.3.4 Data Evaluation

Process and performance monitoring data will be entered into a spreadsheet to track trends in the data.

6.1.3.5 Status Reporting

General status reporting will be conducted on a quarterly basis. The status reports will detail: Total mass removed, Process parameters recorded during site visits and downloaded via the telemetry system, flow, pressure, vacuum, and total VOC measurements collected in the field at the SVE wellheads, soil temperatures and heating performance, laboratory sample results and the associated laboratory and data validation reports, SVE discharge monitoring results, any system outages and corrective measures taken, scheduled maintenance, reconfiguration, or system optimization events.

6.1.3.6 SVE Shutdown Protocol

Determination of when the remedial objectives have been met will be based on air samples collected from soil vapor monitoring points and soil vapors collected in all the sub slab area.

6.2 Summary of Operation & Maintenance Data

6.2.1 General System Monitoring

The general system operations included routine process monitoring, performance monitoring, and compliance monitoring were in place.

During April inspection, it was identified that the system was not in operation due to blower motor stopped working. Due to system was not operational, May and June monthly inspections were not able to be performed, and the July quarterly inspection was postponed to August. On June 30, 2020, the new blower was installed.

6.2.2.1 Process Monitoring

Process monitoring includes measurement of flow rates, vacuums/pressures, and vapor concentrations, within the SVE process streams were performed. System Operational Inspection logs are in place and are maintained (Appendix B).

6.2.2.2 Performance Monitoring

Measurement of vapor concentrations in the SVE process were performed with PID readings and collecting air samples. Measurement of vapor concentrations, vacuums/pressures, flow rates, temperatures at wellheads and vapor probes were performed.

6.2.2.3 Compliance Monitoring

An air emissions permit was obtained from the WCDH. Wastewater was placed in drums and will be disposed off according to the regulatory requirements.

6.2.2.3.1 Groundwater Level Monitoring

Groundwater level measurements in all the on-site monitoring wells were conducted. Depth to groundwater was measured using a Solinst oil/water interface probe equipped with a fiberglass measuring tape (Table 5).

6.2.2.3.2 Soil Sampling

During this period, no soil samples were collected.

6.2.2.3.3 Data Evaluation

Process and performance monitoring data were entered into a spreadsheet to track trends in the data (Appendix B).

6.2.2.3.4 Status Reporting

General status reporting was conducted on a quarterly basis and sent to NYSDEC. The report includes total mass removed, process parameters recorded during site visits and downloaded via the telemetry system, flow, pressure, vacuum, and total VOC measurements collected in the field at the SVE wellheads, soil temperatures and heating performance, laboratory sample results and the associated laboratory and data validation reports, SVE discharge monitoring results, any system outages and corrective measures taken, scheduled maintenance, reconfiguration, or system optimization events.

6.2.2.3.5 SVE Shutdown Protocol

Determination of when the remedial objectives have been met will be based on air samples collected from soil vapor monitoring points and soil vapors collected in all the sub slab area. Table 5: Summary of Mass Removal.

As we were unable to achieve the desired results listed in the SVE work plan dated 2015, GCE prepared SVE system evaluation work plan to assist to determine the current site condition and move forward with a new strategy.

7.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

7.1 Compliance with SMP

All requirements of the SMP (IC/EC, monitoring) have been complied with for the reporting.

7.2 Performance and Effectiveness of the Remedy

The results of the groundwater monitoring suggest that overall groundwater quality is improving and that concentrations of VOCs are decreasing with time. The data indicate that concentrations of VOCs decreased substantially in the source area. Groundwater analytical results further suggest that the remedial objective to minimize or eliminate exposure pathways or significant risks to the public or the environment under the conditions of the contemplated use of the Site (i.e. Restricted Commercial) have been satisfied. Therefore, the remedy continues to achieve remedial goals established for this Site.

7.3 Future PRR Submittals

The frequency of submittal of future PRRs will remain on an annual basis.

8.0 IC AND EC CERTIFICATION FORM

The NYSDEC Institutional and Engineering Control Certification Form for the Site is presented in Appendix A.

LIST OF TABLES

Table 1-1 Air Sampling Results **G. C. Environmental, Inc.** 101 Westmoreland Avenue, White Plains, NY 10606 GCE Project No:05-003-00	Lab Sample Id Collection Date Client Id Matrix		CE51951 10/30/2019 SVE-1 Air		CE51952 10/30/2019 SVE-2 Air		CE51953 10/30/2019 SP-1 Air		CE51954 10/30/2019 SP-2 Air	
	CAS	Units	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles (TO15) By TO15										
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	71-55-6	ug/m3	45.6	1.00	15.5	1.00	47.8	1.00	2.07	1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane	79-00-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane	75-34-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene	75-35-4	ug/m3	0.31	0.20	< 0.20	0.20	0.35	0.20	3.28	0.20
1,2,4-Trichlorobenzene	120-82-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene	95-63-6	ug/m3	20.7	1.00	30.8	1.00	33.9	1.00	23.6	1.00
1,2-Dibromoethane(EDB)	106-93-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene	95-50-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane	107-06-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-dichloropropane	78-87-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene	108-67-8	ug/m3	11.2	1.00	8.3	1.00	19.8	1.00	6.44	1.00
1,3-Butadiene	106-99-0	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene	541-73-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene	106-46-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane	123-91-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone(MBK)	591-78-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene	622-96-8	ug/m3	16.6	1.00	18.5	1.00	29.2	1.00	12.1	1.00
4-Isopropyltoluene	99-87-6	ug/m3	2.41	1.00	< 1.00	1.00	5.07	1.00	< 1.00	1.00
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/m3	1.11	1.00	1.67	1.00	< 1.00	1.00	< 1.00	1.00
Acetone	67-64-1	ug/m3	82.1	1.00	179	5.01	5.67	1.00	5.03	1.00
Acrylonitrile	107-13-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene	71-43-2	ug/m3	< 1.00	1.00	1.08	1.00	< 1.00	1.00	< 1.00	1.00
Benzyl chloride	100-44-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane	75-27-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform	75-25-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane	74-83-9	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide	75-15-0	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	56-23-5	ug/m3	0.48	0.20	0.41	0.20	0.4	0.20	< 0.20	0.20
Chlorobenzene	108-90-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane	75-00-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform	67-66-3	ug/m3	5.42	1.00	< 1.00	1.00	5.07	1.00	< 1.00	1.00
Chloromethane	74-87-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cis-1,2-Dichloroethene	156-59-2	ug/m3	< 0.20	0.20	0.2	0.20	0.31	0.20	< 0.20	0.20
cis-1,3-Dichloropropene	10061-01-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane	110-82-7	ug/m3	1.44	1.00	3.13	1.00	< 1.00	1.00	< 1.00	1.00
Dibromochloromethane	124-48-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluoromethane	75-71-8	ug/m3	3.12	1.00	1.59	1.00	2.14	1.00	2.34	1.00
Ethanol	64-17-5	ug/m3	9.32	1.00	15.5	1.00	4.93	1.00	3.99	1.00
Ethyl acetate	141-78-6	ug/m3	< 1.00	1.00	4.14	1.00	< 1.00	1.00	2.01	1.00
Ethylbenzene	100-41-4	ug/m3	3.37	1.00	5.47	1.00	2.72	1.00	1.65	1.00
Heptane	142-82-5	ug/m3	23.7	1.00	48.7	1.00	< 1.00	1.00	< 1.00	1.00
Hexachlorobutadiene	87-68-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane	110-54-3	ug/m3	1.93	1.00	1.86	1.00	1.22	1.00	< 1.00	1.00
Isopropylalcohol	67-63-0	ug/m3	2.6	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Isopropylbenzene	98-82-8	ug/m3	< 1.00	1.00	1.27	1.00	1.76	1.00	< 1.00	1.00

m,p-Xylene	179601-23-1	ug/m3	16.6	1.00	25.3	1.00	16.5	1.00	9.72	1.00
Methyl Ethyl Ketone	78-93-3	ug/m3	14.9	1.00	20.4	1.00	3.71	1.00	2.23	1.00
Methyl tert-butyl ether(MTBE)	1634-04-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride	75-09-2	ug/m3	4.1	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00
n-Butylbenzene	104-51-8	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
o-Xylene	95-47-6	ug/m3	10.6	1.00	14	1.00	12.6	1.00	6.9	1.00
Propylene	115-07-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene	135-98-8	ug/m3	< 1.00	1.00	< 1.00	1.00	1.83	1.00	< 1.00	1.00
Styrene	100-42-5	ug/m3	3.96	1.00	7.36	1.00	3.14	1.00	2.45	1.00
Tetrachloroethene	127-18-4	ug/m3	443	1.25	190	0.25	548	1.25	25	0.25
Tetrahydrofuran	109-99-9	ug/m3	< 1.00	1.00	< 1.00	1.00	42.1	1.00	16.3	1.00
Toluene	108-88-3	ug/m3	13.3	1.00	21.4	1.00	2.03	1.00	< 1.00	1.00
Trans-1,2-Dichloroethene	156-60-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene	10061-02-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	79-01-6	ug/m3	6.18	0.20	1.11	0.20	5.53	0.20	0.2	0.20
Trichlorofluoromethane	75-69-4	ug/m3	1.61	1.00	1.02	1.00	< 1.00	1.00	< 1.00	1.00
Trichlorotrifluoroethane	76-13-1	ug/m3	1.1	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride	75-01-4	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20

Result Detected

Table 1-2 Air Sampling Results **G. C. Environmental, Inc.** **101 Westmoreland Avenue,** **White Plains, NY 10606** **GCE Project No:05-003-00**	Lab Sample Id Collection Date Client Id Matrix CAS	Units	CF23595 1/29/2020 SP-2 Air Result	RL	CF23596 1/29/2020 SVE-1 Air Result	RL	CF23597 1/29/2020 SP-1 Air Result	RL	CF23598 1/29/2020 SVE-2 Air Result	RL
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	71-55-6	ug/m3	< 1.00	1.00	14.4	1.00	8.89	1.00	11.5	1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane	79-00-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane	75-34-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene	75-35-4	ug/m3	0.5	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene	120-82-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene	95-63-6	ug/m3	6.83	1.00	37.6	1.00	14.5	1.00	39.2	1.00
1,2-Dibromoethane(EDB)	106-93-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene	95-50-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane	107-06-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-dichloropropane	78-87-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene	108-67-8	ug/m3	1.8	1.00	11.3	1.00	4.59	1.00	12.1	1.00
1,3-Butadiene	106-99-0	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene	541-73-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene	106-46-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane	123-91-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone(MBK)	591-78-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	148	1.00
4-Ethyltoluene	622-96-8	ug/m3	4.23	1.00	28	1.00	11.3	1.00	27.2	1.00
4-Isopropyltoluene	99-87-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/m3	< 1.00	1.00	12.8	1.00	< 1.00	1.00	21.9	1.00
Acetone	67-64-1	ug/m3	8.9	1.00	838	15.0	8.21	1.00	1,040	15.0
Acrylonitrile	107-13-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene	71-43-2	ug/m3	< 1.00	1.00	5.68	1.00	1.31	1.00	7.47	1.00
Benzyl chloride	100-44-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane	75-27-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform	75-25-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane	74-83-9	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide	75-15-0	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	56-23-5	ug/m3	< 0.20	0.20	0.26	0.20	< 0.20	0.20	0.31	0.20
Chlorobenzene	108-90-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane	75-00-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform	67-66-3	ug/m3	< 1.00	1.00	1.62	1.00	< 1.00	1.00	< 1.00	1.00
Chloromethane	74-87-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cis-1,2-Dichloroethene	156-59-2	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene	10061-01-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane	110-82-7	ug/m3	< 1.00	1.00	8.77	1.00	1.18	1.00	13.1	1.00
Dibromochloromethane	124-48-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluoromethane	75-71-8	ug/m3	1.28	1.00	2.34	1.00	1.23	1.00	2.99	1.00
Ethanol	64-17-5	ug/m3	9.08	1.00	37.7	1.00	9.08	1.00	426	5.01
Ethyl acetate	141-78-6	ug/m3	< 1.00	1.00	27.5	1.00	< 1.00	1.00	56.5	1.00
Ethylbenzene	100-41-4	ug/m3	2.97	1.00	43.8	1.00	4.86	1.00	51.2	1.00
Heptane	142-82-5	ug/m3	2.89	1.00	24	1.00	3.39	1.00	64.3	1.00
Hexachlorobutadiene	87-68-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane	110-54-3	ug/m3	2.82	1.00	14.1	1.00	2.32	1.00	17.9	1.00
Isopropylalcohol	67-63-0	ug/m3	1.58	1.00	27.5	1.00	1.93	1.00	39.3	1.00
Isopropylbenzene	98-82-8	ug/m3	< 1.00	1.00	2.83	1.00	< 1.00	1.00	3.19	1.00
m,p-Xylene	179601-23-1	ug/m3	13.4	1.00	125	1.00	17.7	1.00	148	1.00
Methyl Ethyl Ketone	78-93-3	ug/m3	2.66	1.00	116	1.00	3.21	1.00	204	5.01
Methyl tert-butyl ether(MTBE)	1634-04-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride	75-09-2	ug/m3	5.73	3.00	4.96	3.00	< 3.00	3.00	6.04	3.00
n-Butylbenzene	104-51-8	ug/m3	< 1.00	1.00	3.73	1.00	1.86	1.00	3.37	1.00
o-Xylene	95-47-6	ug/m3	3.58	1.00	36.5	1.00	6.64	1.00	42.7	1.00
Propylene	115-07-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene	135-98-8	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene	100-42-5	ug/m3	1.06	1.00	7.62	1.00	1.27	1.00	9.07	1.00
Tetrachloroethene	127-18-4	ug/m3	10.4	0.25	149	0.25	91.5	0.25	136	0.25
Tetrahydrofuran	109-99-9	ug/m3	6.81	1.00	152	5.01	22.2	1.00	162	5.01
Toluene	108-88-3	ug/m3	22.7	1.00	708	5.01	18.9	1.00	1,020	15.0
Trans-1,2-Dichloroethene	156-60-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene	10061-02-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	79-01-6	ug/m3	< 0.20	0.20	1.26	0.20	0.79	0.20	< 0.20	0.20
Trichlorofluoromethane	75-69-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichlorotrifluoroethane	76-13-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride	75-01-4	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20

Result Detected

Table 1-3-Air Sampling Results **G. C. Environmental, Inc.** **101 Westmoreland Avenue,** **White Plains, NY 10606** **GCE Project No:05-003-00**	Lab Sample Id Collection Date Client Id Matrix CAS	Units	CF82916 4/30/2020 SP-1 Air Result	RL	CF82917 4/30/2020 SP-2 Air Result	RL	CF82918 4/30/2020 SV-1 Air Result	RL	CF82919 4/30/2020 SV-2 Air Result	RL
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	71-55-6	ug/m3	< 1.00	1.00	< 1.00	1.00	47.9	1.00	51.4	1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane	79-00-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane	75-34-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene	75-35-4	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene	120-82-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene	95-63-6	ug/m3	44.8	1.00	44.8	1.00	94.8	1.00	58	1.00
1,2-Dibromoethane(EDB)	106-93-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene	95-50-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane	107-06-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-dichloropropane	78-87-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene	108-67-8	ug/m3	10.7	1.00	10.7	1.00	31.9	1.00	16.8	1.00
1,3-Butadiene	106-99-0	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene	541-73-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene	106-46-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane	123-91-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone(MBK)	591-78-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene	622-96-8	ug/m3	38.9	1.00	38.9	1.00	110	1.00	58.5	1.00
4-Isopropyltoluene	99-87-6	ug/m3	1.55	1.00	1.55	1.00	1.33	1.00	1.17	1.00
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Acetone	67-64-1	ug/m3	8.97	1.00	8.97	1.00	518	15.0	148	5.01
Acrylonitrile	107-13-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene	71-43-2	ug/m3	6.32	1.00	6.32	1.00	101	1.00	46.6	1.00
Benzyl chloride	100-44-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane	75-27-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform	75-25-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane	74-83-9	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide	75-15-0	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	56-23-5	ug/m3	< 0.20	0.20	< 0.20	0.20	0.31	0.20	0.3	0.20
Chlorobenzene	108-90-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane	75-00-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform	67-66-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloromethane	74-87-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cis-1,2-Dichloroethene	156-59-2	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene	10061-01-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane	110-82-7	ug/m3	1.77	1.00	1.77	1.00	176	4.99	72.9	1.00
Dibromochloromethane	124-48-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluoromethane	75-71-8	ug/m3	< 1.00	1.00	< 1.00	1.00	2.21	1.00	2.12	1.00
Ethanol	64-17-5	ug/m3	102	1.00	102	1.00	891	15.0	420	5.01
Ethyl acetate	141-78-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Ethylbenzene	100-41-4	ug/m3	20.7	1.00	20.7	1.00	160	1.00	75.5	1.00
Heptane	142-82-5	ug/m3	9.71	1.00	9.71	1.00	368	5.00	144	1.00
Hexachlorobutadiene	87-68-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane	110-54-3	ug/m3	8.42	1.00	8.42	1.00	373	5.00	171	5.00
Isopropylalcohol	67-63-0	ug/m3	8.28	1.00	8.28	1.00	17.8	1.00	9.78	1.00
Isopropylbenzene	98-82-8	ug/m3	2.11	1.00	2.11	1.00	13.6	1.00	6.14	1.00
m,p-Xylene	179601-23-1	ug/m3	110	1.00	110	1.00	629	4.99	252	1.00
Methyl Ethyl Ketone	78-93-3	ug/m3	2.6	1.00	2.6	1.00	73.1	1.00	20.4	1.00
Methyl tert-butyl ether(MTBE)	1634-04-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride	75-09-2	ug/m3	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00
n-Butylbenzene	104-51-8	ug/m3	5.18	1.00	5.18	1.00	5.82	1.00	5.29	1.00
o-Xylene	95-47-6	ug/m3	35.2	1.00	35.2	1.00	222	4.99	93.3	1.00
Propylene	115-07-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
sec-Butylbenzene	135-98-8	ug/m3	2.01	1.00	2.01	1.00	< 1.00	1.00	1.69	1.00
Styrene	100-42-5	ug/m3	27.1	1.00	27.1	1.00	20.7	1.00	18.4	1.00
Tetrachloroethene	127-18-4	ug/m3	2.37	0.25	2.37	0.25	348	1.25	387	1.25
Tetrahydrofuran	109-99-9	ug/m3	11.7	1.00	11.7	1.00	< 1.00	1.00	< 1.00	1.00
Toluene	108-88-3	ug/m3	70.8	1.00	70.8	1.00	1,190	15.0	505	5.01
Trans-1,2-Dichloroethene	156-60-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene	10061-02-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	79-01-6	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane	75-69-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichlorotrifluoroethane	76-13-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride	75-01-4	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20

Result Detected

Table 1-4 Air Sampling Results

G. C. Environmental, Inc.
101 Westmoreland Avenue,
White Plains, NY 10606

GCE Project No:05-003-00

	Lab Sample Id		CG75383		CG75384		CG75385		CG75386	
	Collection Date		9/11/2020		9/11/2020		9/11/2020		9/11/2020	
	Client Id		SV-2		SP-2		SP-1		SV-1	
	Matrix		Air		Air		Air		Air	
	CAS	Units	Result	RL	Result	RL	Result	RL	Result	RL
VOCs										
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	71-55-6	ug/m3	115	1.00	4.02	1.00	97.1	1.00	51.7	1.00
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane	79-00-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane	75-34-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene	75-35-4	ug/m3	0.57	0.20	6.66	0.20	0.48	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene	120-82-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene	95-63-6	ug/m3	58.5	1.00	47.5	1.00	45.2	1.00	45.2	1.00
1,2-Dibromoethane(EDB)	106-93-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene	95-50-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane	107-06-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-dichloropropane	78-87-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene	108-67-8	ug/m3	21.6	1.00	10.5	1.00	13.5	1.00	10.7	1.00
1,3-Butadiene	106-99-0	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene	541-73-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dichlorobenzene	106-46-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane	123-91-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone(MBK)	591-78-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene	622-96-8	ug/m3	14.8	1.00	9.09	1.00	9.97	1.00	10.5	1.00
4-Isopropyltoluene	99-87-6	ug/m3	6.09	1.00	2.73	1.00	4.19	1.00	3.33	1.00
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/m3	6.51	1.00	29	1.00	2.15	1.00	5.2	1.00
Acetone	67-64-1	ug/m3	634	29.9	190	5.01	44.4	1.00	127	5.01
Acrylonitrile	107-13-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene	71-43-2	ug/m3	1.09	1.00	1.28	1.00	< 1.00	1.00	1.82	1.00
Benzyl chloride	100-44-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane	75-27-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform	75-25-2	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane	74-83-9	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide	75-15-0	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride	56-23-5	ug/m3	0.41	0.20	< 0.20	0.20	0.38	0.20	0.48	0.20
Chlorobenzene	108-90-7	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane	75-00-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform	67-66-3	ug/m3	5.03	1.00	< 1.00	1.00	4.64	1.00	1.72	1.00
Chloromethane	74-87-3	ug/m3	1.12	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cis-1,2-Dichloroethene	156-59-2	ug/m3	0.56	0.20	0.63	0.20	0.45	0.20	0.41	0.20
cis-1,3-Dichloropropene	10061-01-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane	110-82-7	ug/m3	1.22	1.00	< 1.00	1.00	1.59	1.00	3.11	1.00
Dibromochloromethane	124-48-1	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluoromethane	75-71-8	ug/m3	3.5	1.00	2.45	1.00	2.61	1.00	2.22	1.00
Ethanol	64-17-5	ug/m3	16.3	1.00	10.8	1.00	16.4	1.00	86.4	5.01
Ethyl acetate	141-78-6	ug/m3	6.41	1.00	< 1.00	1.00	1.88	1.00	6.19	1.00
Ethylbenzene	100-41-4	ug/m3	287	4.99	40.7	1.00	15	1.00	16.1	1.00
Heptane	142-82-5	ug/m3	1.02	1.00	9.99	1.00	4.05	1.00	15.4	1.00
Hexachlorobutadiene	87-68-3	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane	110-54-3	ug/m3	1.42	1.00	< 1.00	1.00	1.76	1.00	4.9	1.00
Isopropylalcohol	67-63-0	ug/m3	13.7	1.00	4.05	1.00	< 1.00	1.00	10.1	1.00
Isopropylbenzene	98-82-8	ug/m3	2.65	1.00	1.38	1.00	1.35	1.00	1.45	1.00
m,p-Xylene	179601-23-1	ug/m3	206	1.00	120	1.00	50.3	1.00	54.7	1.00
Methyl Ethyl Ketone	78-93-3	ug/m3	38.3	1.00	78.7	1.00	17	1.00	21.5	1.00
Methyl tert-butyl ether(MTBE)	1634-04-4	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00

Methylene Chloride	75-09-2	ug/m3	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00	< 3.00	3.00
n-Butylbenzene	104-51-8	ug/m3	12.7	1.00	9.27	1.00	10.9	1.00	10.1	1.00
o-Xylene	95-47-6	ug/m3	54.7	1.00	36.3	1.00	16.6	1.00	17.4	1.00
Propylene	115-07-1	ug/m3	1.57	1.00	< 1.00	1.00	2.12	1.00	2.75	1.00
sec-Butylbenzene	135-98-8	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene	100-42-5	ug/m3	8.68	1.00	19.3	1.00	8.73	1.00	8.3	1.00
Tetrachloroethene	127-18-4	ug/m3	807	1.25	28	0.25	643	1.25	344	1.25
Tetrahydrofuran	109-99-9	ug/m3	101	1.00	6.96	1.00	53.1	1.00	29.4	1.00
Toluene	108-88-3	ug/m3	43.3	1.00	267	5.01	24.6	1.00	51.2	1.00
Trans-1,2-Dichloroethene	156-60-5	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene	10061-02-6	ug/m3	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	79-01-6	ug/m3	6.82	0.20	0.42	0.20	8	0.20	2.15	0.20
Trichlorofluoromethane	75-69-4	ug/m3	1.34	1.00	1.28	1.00	1.29	1.00	1.19	1.00
Trichlorotrifluoroethane	76-13-1	ug/m3	< 1.00	1.00	< 1.00	1.00	1	1.00	< 1.00	1.00
Vinyl Chloride	75-01-4	ug/m3	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20

Result Detected

Note: Due to soil samples were mixed by an error, vapor samples from SV-1 and SP-2 were switched.

Table 2-1: Groundwater Results
G. C. Environmental, Inc.
101 Westmoreland Avenue,
White Plains, NY 10606

Project Id : 05-003-00

	Lab Sample Id	Units	TOGS-WQ/GA	CE19562 9/26/2019 MW-2 Ground Water		CE19563 9/26/2019 MW-3 Ground Water		CE19564 9/26/2019 MW-4 Ground Water		CE19565 9/26/2019 MW-5 Ground Water		CE19566 9/26/2019 MW-6 Ground Water		CE19567 9/26/2019 MW-7 Ground Water		CE19568 9/26/2019 MW-8 Ground Water	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles By SW8260C																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	71-55-6	ug/L	5	4.5	1.0	3.8	1.0	6.4	1.0	5.1	1.0	3.3	1.0	32	1.0	9.9	1.0
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,1,2-Trichloroethane	79-00-5	ug/L	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	75-34-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethene	75-35-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	1.4	1.0	< 1.0	1.0
1,1-Dichloropropene	563-58-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene	87-61-6	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	96-18-4	ug/L	0.04	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene	120-82-1	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	95-63-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	96-12-8	ug/L	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane	106-93-4	ug/L	0.0006	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	95-50-1	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	107-06-2	ug/L	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	78-87-5	ug/L	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	108-67-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	541-73-1	ug/L	3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	142-28-9	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	106-46-7	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	594-20-7	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	95-49-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone	591-78-6	ug/L	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Isopropyltoluene	527-84-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	106-43-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-pentanone	108-10-1	ug/L	NS	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acetone	67-64-1	ug/L	50	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25
Acrylonitrile	107-13-1	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Benzene	71-43-2	ug/L	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	108-86-1	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	74-97-5	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	75-27-4	ug/L	50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Bromoform	75-25-2	ug/L	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromomethane	74-83-9	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon Disulfide	75-15-0	ug/L	NS	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon tetrachloride	56-23-5	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	108-90-7	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chloroethane	75-00-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chloroform	67-66-3	ug/L	7	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chloromethane	74-87-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,2-Dichloroethene	156-59-2	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane	124-48-1	ug/L	50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Dibromomethane	74-95-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	75-71-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	100-41-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	87-68-3	ug/L	0.5	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Isopropylbenzene	98-82-8	ug/L	5	1.3	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylene	179601-23-1	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl ethyl ketone	78-93-3	ug/L	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Methyl t-butyl ether (MTBE)	1634-04-4	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	75-09-2	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Naphthalene	91-20-3	ug/L	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	104-51-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	103-65-1	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	95-47-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene	99-87-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	135-98-8	ug/L	5	1.4	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	100-42-5	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-Butylbenzene	98-06-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	127-18-4	ug/L	5	23	1.0	11	1.0	2	1.0	2.6	1.0	8.3	1.0	< 1.0	1.0	1.1	1.0
Tetrahydrofuran (THF)	109-99-9	ug/L	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	108-88-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Total Xylenes	1330-20-7	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	156-60-5	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	110-57-6	ug/L	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Trichloroethene	79-01-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	75-69-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane	76-13-1	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl chloride	75-01-4	ug/L	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Semivolatiles, SIM By SW8270D (SIM)																	
Acenaphthylene	208-96-8	ug/L	NS	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Benz(a)anthracene	56-55-3	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(a)pyrene	50-32-8	ug/L	NS	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(b)fluoranthene	205-99-2	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(ghi)perylene	191-24-2	ug/L	NS	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Benzo(k)fluoranthene	207-08-9	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Chrysene	218-01-9	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Dibenz(a,h)anthracene	53-70-3	ug/L	NS	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47

Hexachlorobenzene	118-74-1	ug/L	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04
Hexachlorobutadiene	87-68-3	ug/L	0.5	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Hexachlorocyclopentadiene	77-47-4	ug/L	5	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Nitrobenzene	98-95-3	ug/L	0.4	< 0.38	0.38	< 0.38	0.38	< 0.38	0.38	< 0.38	0.38	< 0.38	0.38	< 0.38	0.38	< 0.38	0.38
Phenanthrene	85-01-8	ug/L	50	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Semivolatiles, Full Scan By SW8270D																	
1,2,4-Trichlorobenzene	120-82-1	ug/L	NS	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
1,2-Dichlorobenzene	95-50-1	ug/L	NS	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8
1,2-Diphenylhydrazine	122-66-7	ug/L	NS	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
1,3-Dichlorobenzene	541-73-1	ug/L	3	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8
1,4-Dichlorobenzene	106-46-7	ug/L	NS	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8
2,4-Dinitrotoluene	121-14-2	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2,6-Dinitrotoluene	606-20-2	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Chloronaphthalene	91-58-7	ug/L	10	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Methylnaphthalene	91-57-6	ug/L	NS	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Nitroaniline	88-74-4	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
3,3'-Dichlorobenzidine	91-94-1	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
3-Nitroaniline	99-09-2	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Bromophenyl phenyl ether	101-55-3	ug/L	NS	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Chloroaniline	106-47-8	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NS	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Nitroaniline	100-01-6	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Acenaphthene	83-32-9	ug/L	20	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Anthracene	120-12-7	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Benzidine	92-87-5	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Benzo(ghi)perylene	191-24-2	ug/L	NS	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Benzoic acid	65-85-0	ug/L	NS	< 47	47	< 47	47	< 47	47	< 47	47	< 47	47	< 47	47	< 47	47
Benzyl Alcohol	100-51-6	ug/L	NS	< 19	19	< 19	19	< 19	19	< 19	19	< 19	19	< 19	19	< 19	19
Benzyl butyl phthalate	85-68-7	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Bis(2-chloroethyl)ether	111-44-4	ug/L	1	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
Bis(2-chloroisopropyl)ether	39638-32-9	ug/L	NS	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
Bis(2-ethylhexyl)phthalate	117-81-7	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Dibenzofuran	132-64-9	ug/L	NS	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Diethyl phthalate	84-66-2	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Dimethylphthalate	131-11-3	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Di-n-butylphthalate	84-74-2	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Di-n-octylphthalate	117-84-0	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Fluoranthene	206-44-0	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Fluorene	86-73-7	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Hexachloroethane	67-72-1	ug/L	5	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Isophorone	78-59-1	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Naphthalene	91-20-3	ug/L	10	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
N-Nitrosodimethylamine	62-75-9	ug/L	NS	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
N-Nitrosodi-n-propylamine	621-64-7	ug/L	NS	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
N-Nitrosodiphenylamine	86-30-6	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Pyrene	129-00-0	ug/L	50	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

Table 2-2-GW Results G. C. Environmental, Inc. 101 Westmoreland Avenue, White Plains, NY 10606 Project Id : 05-003-00	Lab Sample Id Collection Date Client Id Matrix CAS	Units	TOGS-WQ/GA	CG65207 8/28/2020 MW-2 Ground Water		CG65208 8/28/2020 MW-3 Ground Water		CG65209 8/28/2020 MW-4 Ground Water		CG65210 8/28/2020 MW-5 Ground Water		CG65211 8/28/2020 MW-6 Ground Water		CG65212 8/28/2020 MW-7 Ground Water		CG65213 8/28/2020 MW-8 Ground Water	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles By SW8260C																	
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	71-55-6	ug/L	5	21	1.0	5.9	1.0	8.9	1.0	8.6	1.0	6.1	1.0	27	5.0	16	1.0
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,1,2-Trichloroethane	79-00-5	ug/L	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	75-34-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethene	75-35-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	1.8	1.0	< 1.0	1.0
1,1-Dichloropropene	563-58-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene	87-61-6	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	96-18-4	ug/L	0.04	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2,4-Trichlorobenzene	120-82-1	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	95-63-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	96-12-8	ug/L	0.04	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dibromoethane	106-93-4	ug/L	0.0006	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,2-Dichlorobenzene	95-50-1	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	107-06-2	ug/L	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	78-87-5	ug/L	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	108-67-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	541-73-1	ug/L	3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	142-28-9	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene	106-46-7	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	594-20-7	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	95-49-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone	591-78-6	ug/L	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Isopropyltoluene	527-84-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	106-43-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-pentanone	108-10-1	ug/L	NS	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acetone	67-64-1	ug/L	50	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25
Acrylonitrile	107-13-1	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Benzene	71-43-2	ug/L	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	108-86-1	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	74-97-5	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	75-27-4	ug/L	50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Bromoform	75-25-2	ug/L	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromomethane	74-83-9	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon Disulfide	75-15-0	ug/L	NS	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon tetrachloride	56-23-5	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	108-90-7	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chloroethane	75-00-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chloroform	67-66-3	ug/L	7	1.6	1.0	1.3	1.0	1.2	1.0	1.1	1.0	1.4	1.0	1.4	1.0	< 1.0	1.0
Chloromethane	74-87-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,2-Dichloroethene	156-59-2	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene	10061-01-5	ug/L	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane	124-48-1	ug/L	50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Dibromomethane	74-95-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	75-71-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	100-41-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	87-68-3	ug/L	0.5	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Isopropylbenzene	98-82-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylene	179601-23-1	ug/L	NS	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl ethyl ketone	78-93-3	ug/L	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Methyl t-butyl ether (MTBE)	1634-04-4	ug/L		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylene chloride	75-09-2	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Naphthalene	91-20-3	ug/L	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	104-51-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	103-65-1	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	95-47-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene	99-87-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	135-98-8	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	100-42-5	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-Butylbenzene	98-06-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	127-18-4	ug/L	5	19	1.0	15	1.0	1.8	1.0	2.3	1.0	9	1.0	< 1.0	1.0	1.1	1.0
Tetrahydrofuran (THF)	109-99-9	ug/L	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	108-88-3	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Total Xylenes	1330-20-7	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	156-60-5	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,3-Dichloropropene	10061-02-6	ug/L	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	110-57-6	ug/L	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Trichloroethene	79-01-6	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	75-69-4	ug/L	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane	76-13-1	ug/L	5	1	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl chloride	75-01-4	ug/L	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Semivolatiles, SIM By SW8270D (SIM)																	
Acenaphthylene	208-96-8	ug/L	NS	< 0.48	0.48	< 0.49	0.49	< 0.48	0.48	< 0.48	0.48	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Benz(a)anthracene	56-55-3	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	0.03	0.02	< 0.02	0.02
Benzo(a)pyrene	50-32-8	ug/L	NS	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(b)fluoranthene	205-99-2	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(ghi)perylene	191-24-2	ug/L	NS	< 0.48	0.48	< 0.49	0.49	< 0.48	0.48	< 0.48	0.48	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Benzo(k)fluoranthene	207-08-9	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Chrysene	218-01-9	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	0.02	0.02	< 0.02	0.02
Dibenz(a,h)anthracene	53-70-3	ug/L	NS	< 0.48	0.48	< 0.49	0.49	< 0.48	0.48	< 0.48	0.48	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Hexachlorobenzene	118-74-1	ug/L	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04
Hexachlorobutadiene	87-68-3	ug/L	0.5	< 0.48	0.48	< 0.49	0.49	< 0.48	0.48	< 0.48	0.48	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Hexachlorocyclopentadiene	77-47-4	ug/L	5	< 0.48	0.48	< 0.49	0.49	< 0.48	0.48	< 0.48	0.48	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Indeno(1,2,3-cd)pyrene	193-39-5	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Nitrobenzene	98-95-3	ug/L	0.4	< 0.38	0.38	< 0.39	0.39	< 0.38	0.38	< 0.38	0.38	0.56	0.38	< 0.38	0.38	< 0.38	0.38

Phenanthrene	85-01-8	ug/L	50	< 0.48	0.48	< 0.49	0.49	< 0.48	0.48	< 0.48	0.48	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Semivolatiles, Full Scan By SW8270D																	
1,2,4-Trichlorobenzene	120-82-1	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
1,2-Dichlorobenzene	95-50-1	ug/L	NS	< 2.9	2.9	< 2.9	2.9	< 2.9	2.9	< 2.9	2.9	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8
1,2-Diphenylhydrazine	122-66-7	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
1,3-Dichlorobenzene	541-73-1	ug/L	3	< 2.9	2.9	< 2.9	2.9	< 2.9	2.9	< 2.9	2.9	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8
1,4-Dichlorobenzene	106-46-7	ug/L	NS	< 2.9	2.9	< 2.9	2.9	< 2.9	2.9	< 2.9	2.9	< 2.8	2.8	< 2.8	2.8	< 2.8	2.8
2,4-Dinitrotoluene	121-14-2	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2,6-Dinitrotoluene	606-20-2	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Chloronaphthalene	91-58-7	ug/L	10	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Methylnaphthalene	91-57-6	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Nitroaniline	88-74-4	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
3,3'-Dichlorobenzidine	91-94-1	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
3-Nitroaniline	99-09-2	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Bromophenyl phenyl ether	101-55-3	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Chloroaniline	106-47-8	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Nitroaniline	100-01-6	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Acenaphthene	83-32-9	ug/L	20	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Anthracene	120-12-7	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Benzidine	92-87-5	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Benzo(ghi)perylene	191-24-2	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Benzoic acid	65-85-0	ug/L	NS	< 48	48	< 49	49	< 48	48	< 48	48	< 47	47	< 47	47	< 47	47
Benzyl Alcohol	100-51-6	ug/L	NS	< 19	19	< 19	19	< 19	19	< 19	19	< 19	19	< 19	19	< 19	19
Benzyl butyl phthalate	85-68-7	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Bis(2-chloroethoxy)methane	111-91-1	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Bis(2-chloroethyl)ether	111-44-4	ug/L	1	< 0.96	0.96	< 0.97	0.97	< 0.95	0.95	< 0.95	0.95	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
Bis(2-chloroisopropyl)ether	108-60-1	ug/L	5	< 0.96	0.96	< 0.97	0.97	< 0.95	0.95	< 0.95	0.95	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
Bis(2-ethylhexyl)phthalate	117-81-7	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Dibenzofuran	132-64-9	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Diethyl phthalate	84-66-2	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Dimethylphthalate	131-11-3	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Di-n-butylphthalate	84-74-2	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Di-n-octylphthalate	117-84-0	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Fluoranthene	206-44-0	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Fluorene	86-73-7	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Hexachloroethane	67-72-1	ug/L	5	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Isophorone	78-59-1	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Naphthalene	91-20-3	ug/L	10	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
N-Nitrosodimethylamine	62-75-9	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
N-Nitrosodi-n-propylamine	621-64-7	ug/L	NS	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
N-Nitrosodiphenylamine	86-30-6	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Pyrene	129-00-0	ug/L	50	< 4.8	4.8	< 4.9	4.9	< 4.8	4.8	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

G. C. Environmental, Inc.
101 Westmoreland Avenue,White Plains, New York
Table 3-PID Readings, October 2019 thru October 2020

Monitoring Points Onsite	Unit	PID Level Measurement October 2019	PID Level Measurement January 2020	PID Level Measurement April 2020	PID Level Measurement September 2020
SP-1 (Blower Discharge)	ppm	0.00	0.00	0.00	0.00
SP-2 (Discharge of the Carbon Vessel)	ppm	0.00	0.00	0.00	0.00
SV-1 (SVE -1)	ppm	0.00	0.00	0.00	0.00
SV-2 (SVE -2)	ppm	0.00	0.00	0.00	0.00

Note:
ppm: part per million

G. C. Environmental, Inc.
101 Westmoreland Avenue,White Plains, New York
Table 4-Depth of GW, October 2019 thru October 2020

Monitoring Wells Onsite	Unit	GW Level Measurement October 2019	GW Level Measurement January 2020	GW Level Measurement April 2020	GW Level Measurement September 2020
MW-1	ft	27.7	28.1	28.1	N/A
MW-2	ft	26.2	26.8	26.2	26.4
MW-3	ft	26.2	26.7	26.1	25.5
MW-4	ft	27.1	28.2	27.8	27.8
MW-5	ft	27.8	28.1	28.2	28.2
MW-6	ft	27.7	27.9	28.1	28.11
MW-7	ft	27	27.2	27.5	27.7
MW-8	ft	27.6	27.9	28.4	28.51
MW-9	ft	N/A	N/A	N/A	N/A

Note: MW-9 is not accesible.
In September, MW-1 was clogged.

G. C. Environmental, Inc.
101 Westmoreland Avenue,White Plains, New York
Table 5-Mass Removal Table, October 2019 thru October 2020
Target Compounds

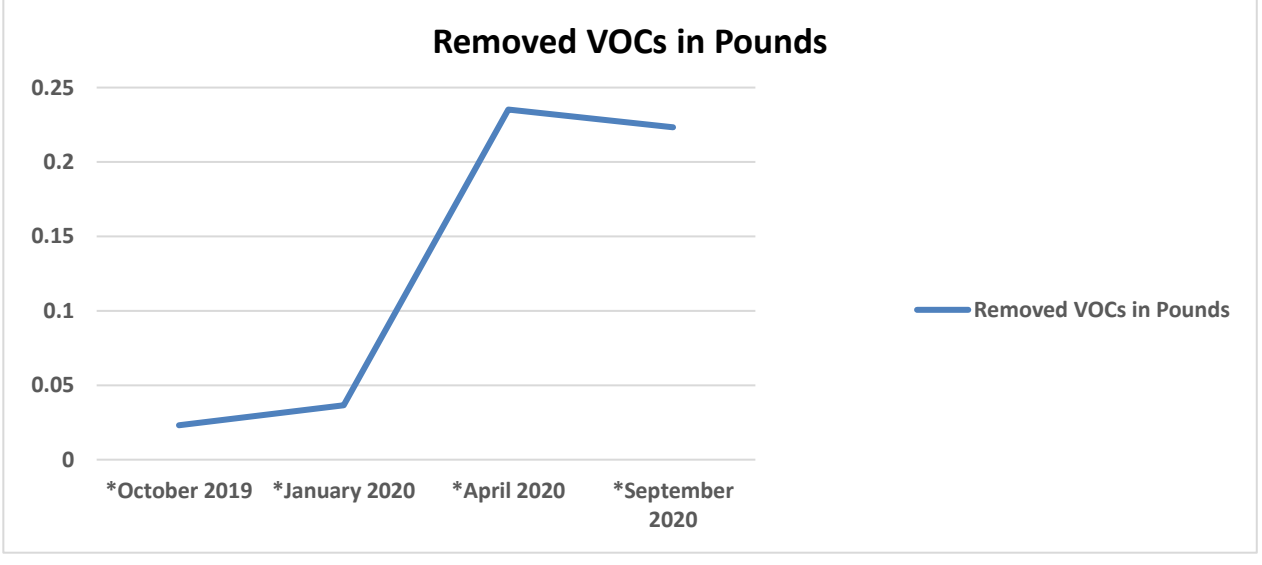
Monitoring Wells Onsite	Mass Emission Rate of Contaminant Lbs/day -Influent SP1	Mass Emission Rate of Contaminant Lbs/day- Effluent SP2	Days in Period	Pounds VOCs Removed During Period
July 2019 - October 2019	0.002716489	0.000148146	90	0.231150883
October 2019 - January 2020	0.000466604	6.52E-05	91	0.036528338
January 2020 - April 2020	0.002613708	2.85E-05	91	0.235253462
April 2020 - September 2020	0.003377458	0.000100847	70	0.223225585

LIST OF GRAPHICS

Graphic 1 - AAA - Removed VOCs in Pounds

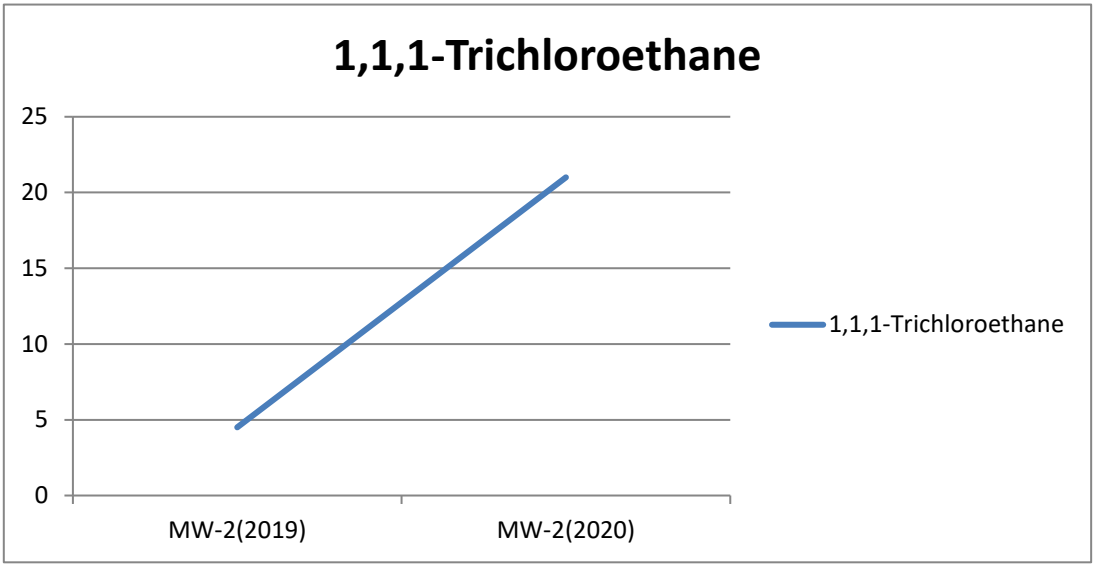
Target Compounds	**Break Down Compounds**
1,1,1-Trichloroethane	1,1-Dichloroethane
Tetrachloroethene	1,1-Dichloroethene
Trichloroethene	Cis-1,2-Dichloroethene
	Trans-1,2-Dichloroethene
	Vinyl Chloride

Sampling Month	**Removed VOCs in Pounds**
*October 2019	0.023115083
*January 2020	0.036528338
*April 2020	0.23523462
*September 2020	0.223225585

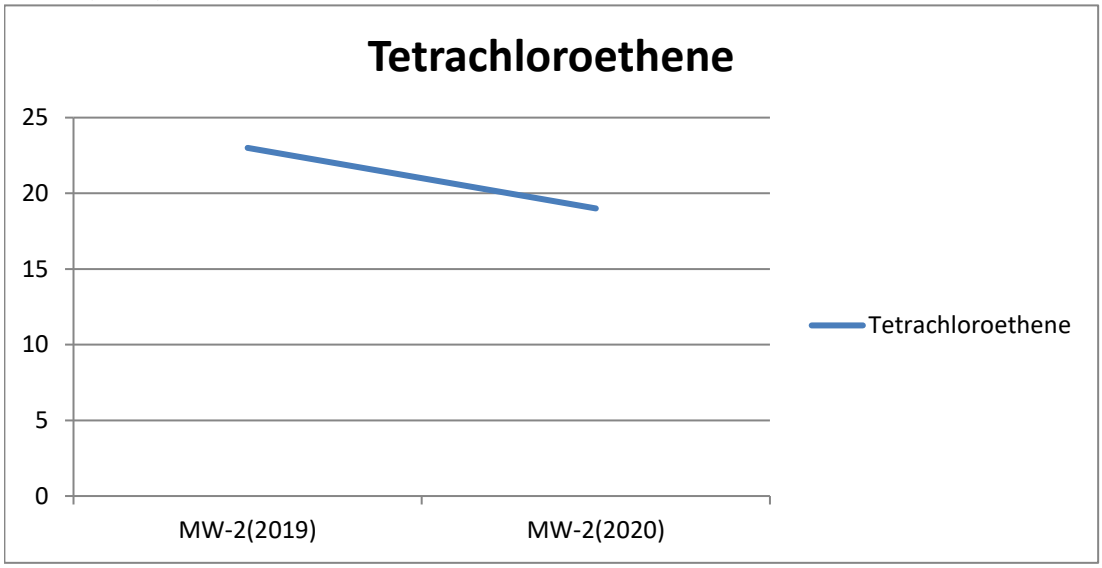


Graphic 2-1 - AAA
1,1,1-Trichloroethane /Tetrachloroethene (ug/l) in Groundwater (MW-2)

	1,1,1-Trichloroethane
MW-2(2019)	4.5
MW-2(2020)	21

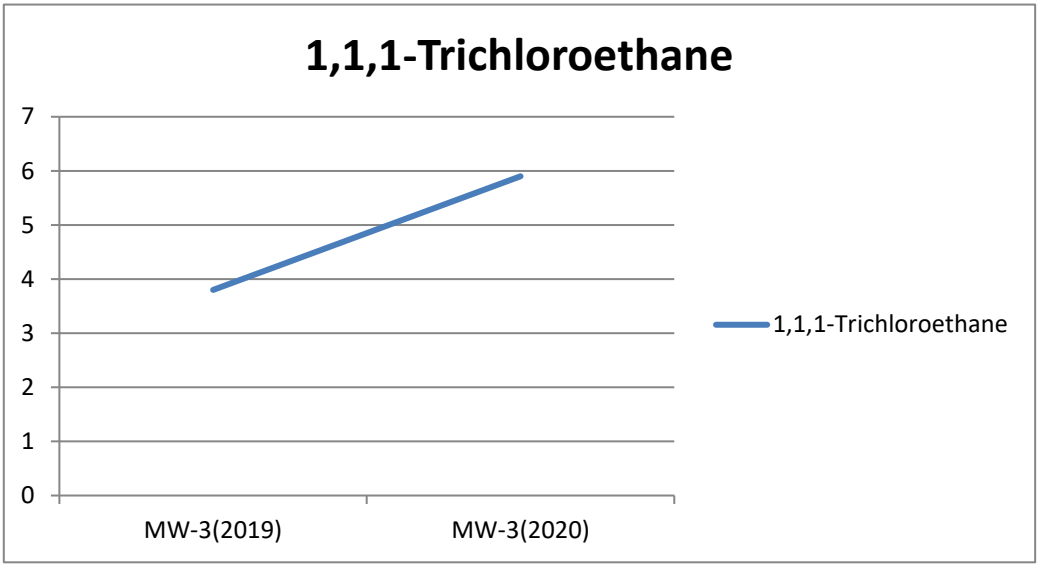


	Tetrachloroethene
MW-2(2019)	23
MW-2(2020)	19

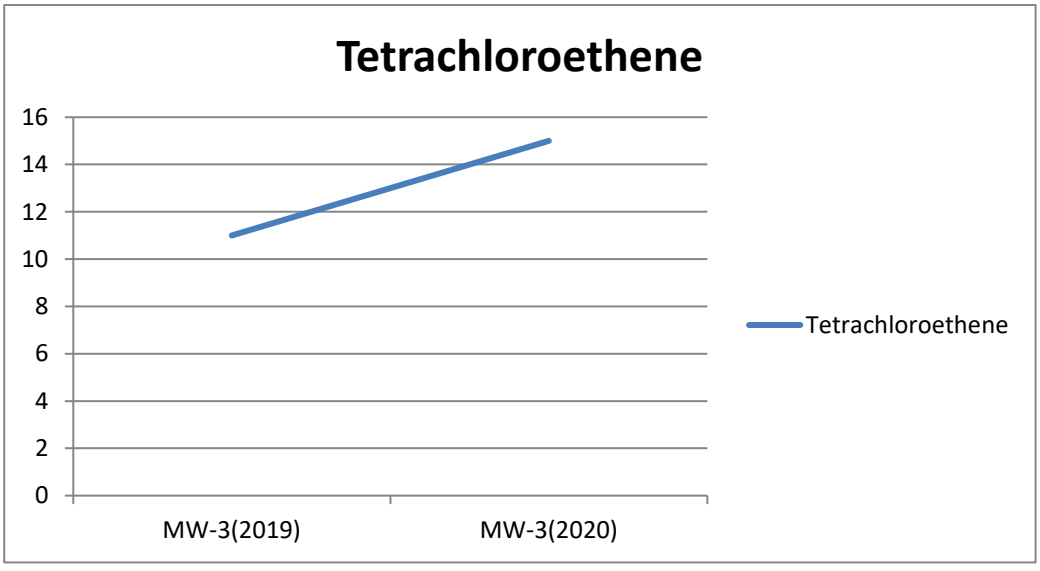


Graphic 2-2 - AAA
1,1,1-Trichloroethane /Tetrachloroethene (ug/l) in Groundwater (MW-3)

	1,1,1-Trichloroethane
MW-3(2019)	3.8
MW-3(2020)	5.9



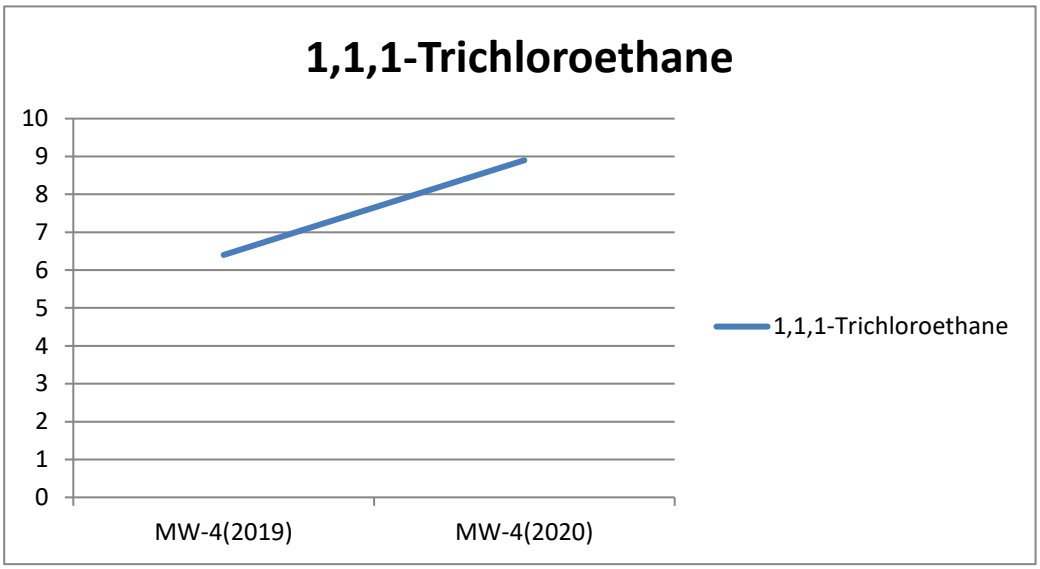
	Tetrachloroethene
MW-3(2019)	11
MW-3(2020)	15



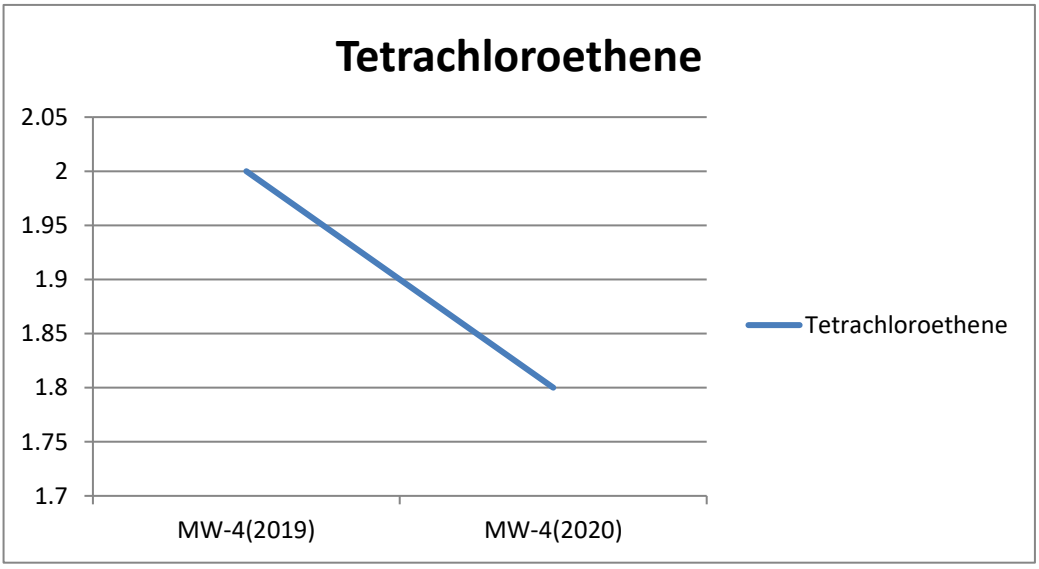
Graphic 2-3 - AAA

1,1,1-Trichloroethane /Tetrachloroethene (ug/l) in Groundwater (MW-4)

	1,1,1-Trichloroethane
MW-4(2019)	6.4
MW-4(2020)	8.9



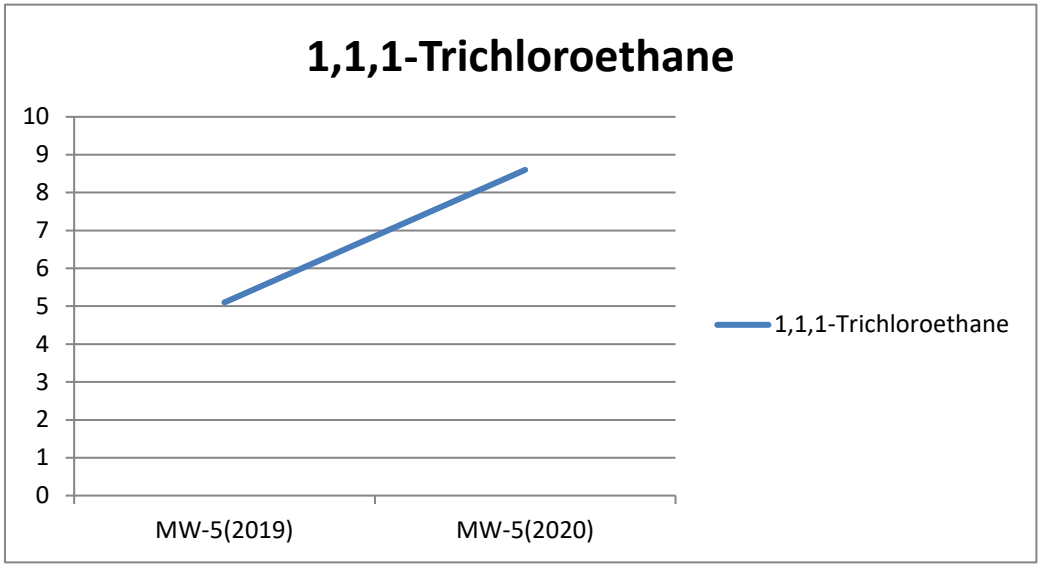
	Tetrachloroethene
MW-4(2019)	2
MW-4(2020)	1.8



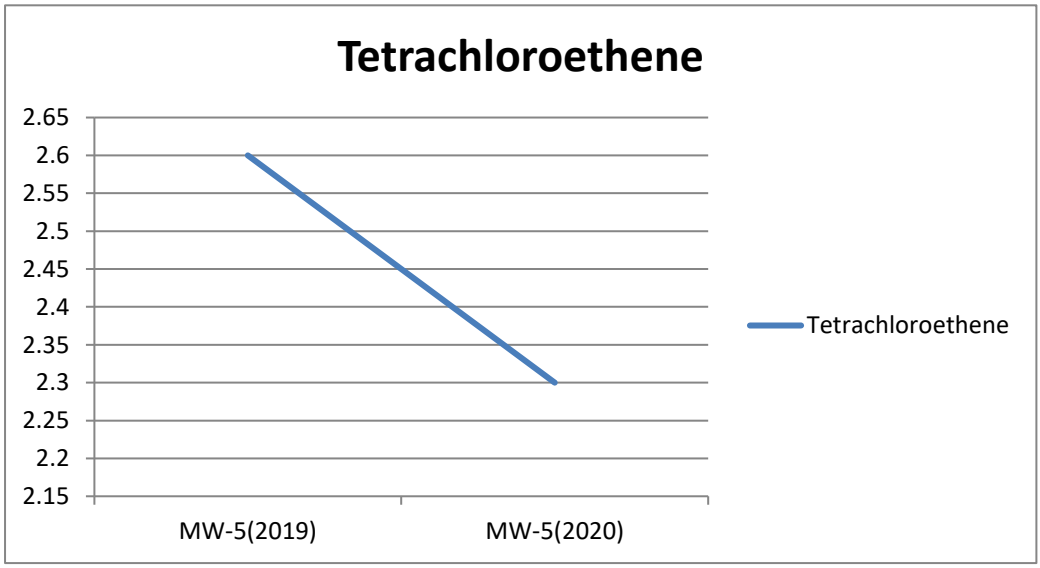
Graphic 2-4- AAA

1,1,1-Trichloroethane /Tetrachloroethene (ug/l) in Groundwater (MW-5)

	1,1,1-Trichloroethane
MW-5(2019)	5.1
MW-5(2020)	8.6



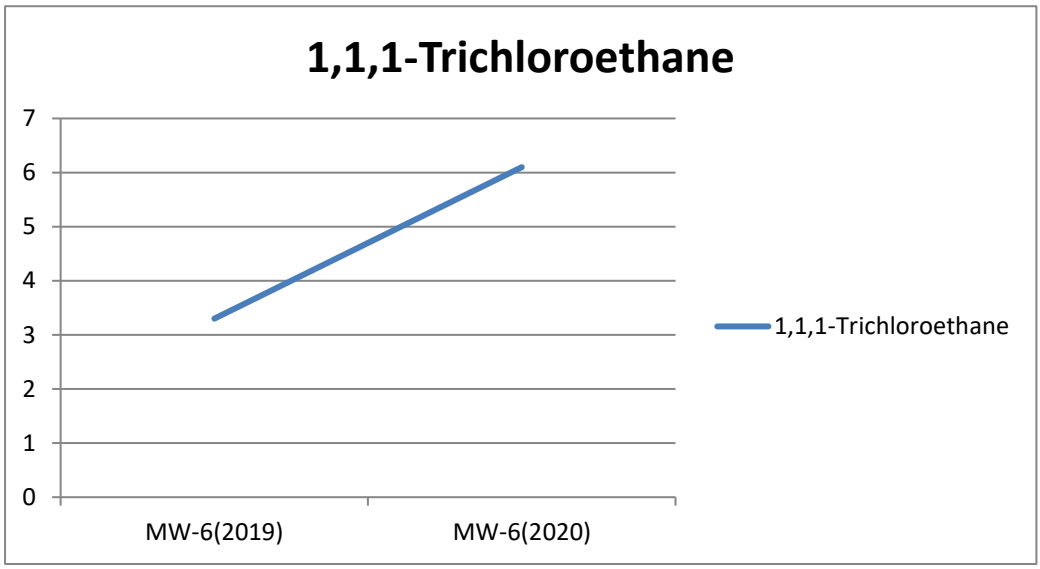
	Tetrachloroethene
MW-5(2019)	2.6
MW-5(2020)	2.3



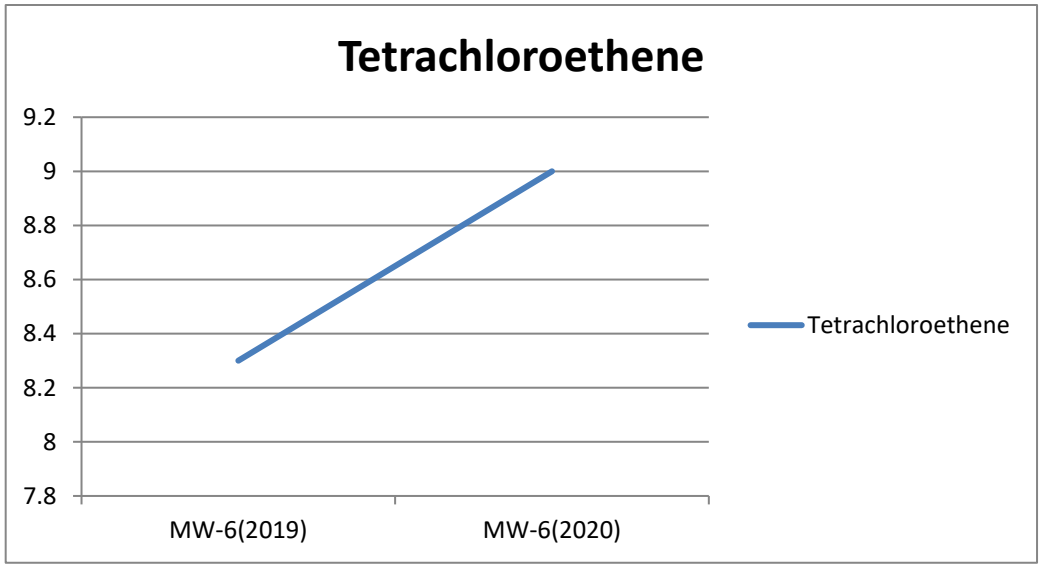
Graphic 2-5 - AAA

1,1,1-Trichloroethane /Tetrachloroethene (ug/l) in Groundwater (MW-6)

	1,1,1-Trichloroethane
MW-6(2019)	3.3
MW-6(2020)	6.1



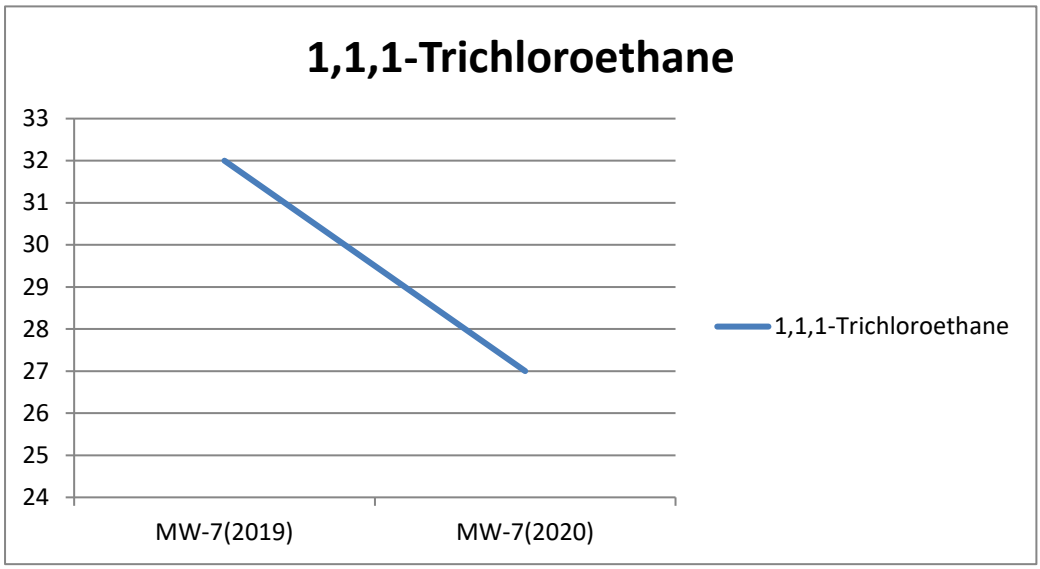
	Tetrachloroethene
MW-6(2019)	8.3
MW-6(2020)	9



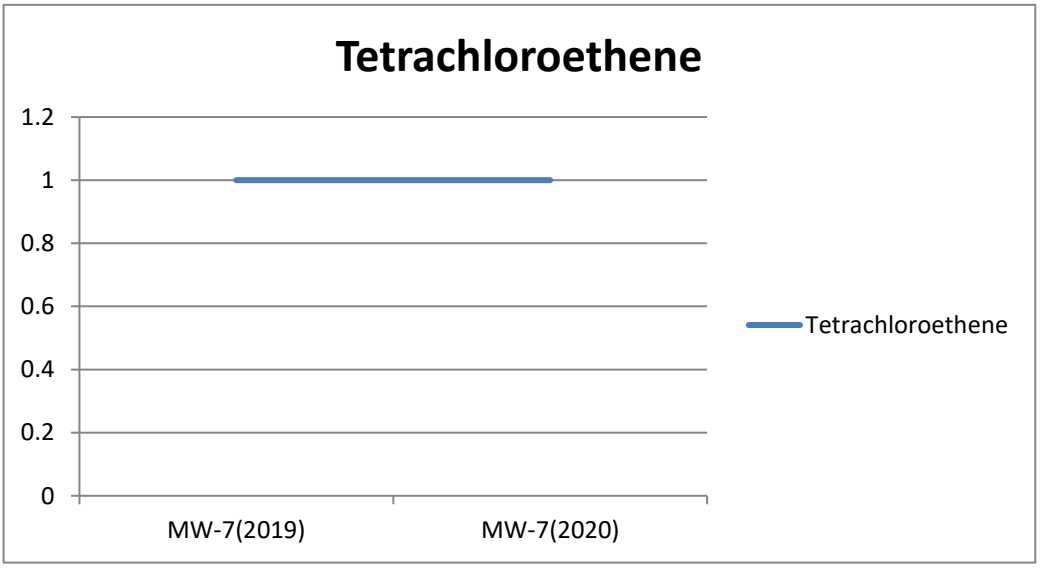
Graphic 2-6 - AAA

1,1,1-Trichloroethane /Tetrachloroethene (ug/l) in Groundwater (MW-7)

	1,1,1-Trichloroethane
MW-7(2019)	32
MW-7(2020)	27



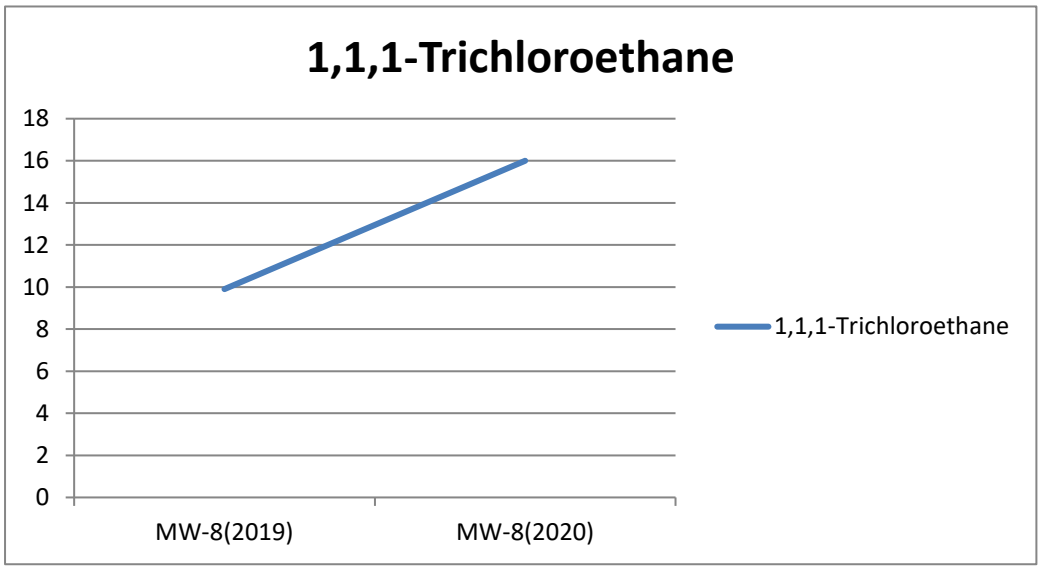
	Tetrachloroethene
MW-7(2019)	1
MW-7(2020)	1



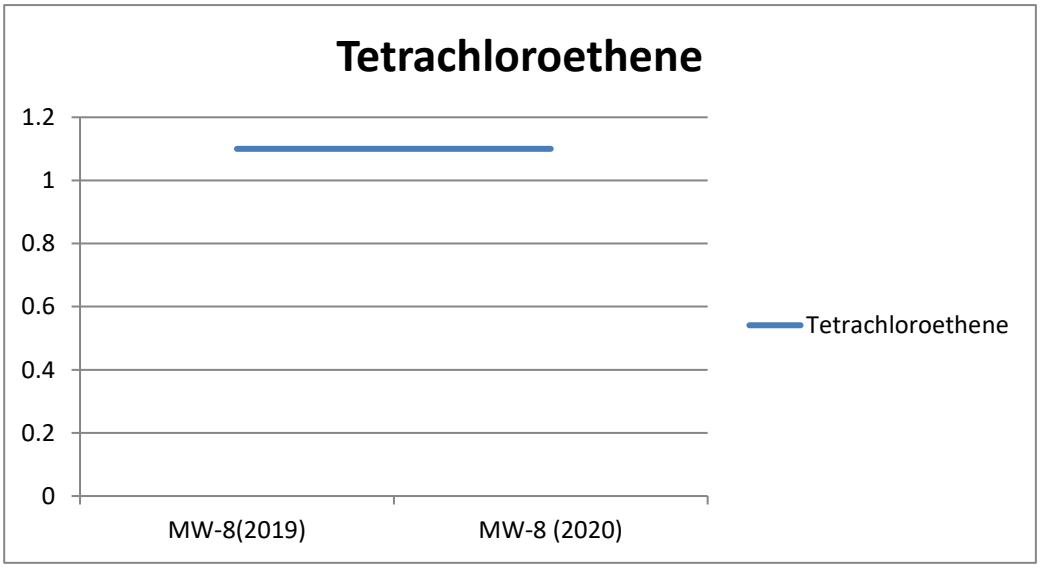
Graphic 2-7 - AAA

1,1,1-Trichloroethane /Tetrachloroethene (ug/l) in Groundwater (MW-8)

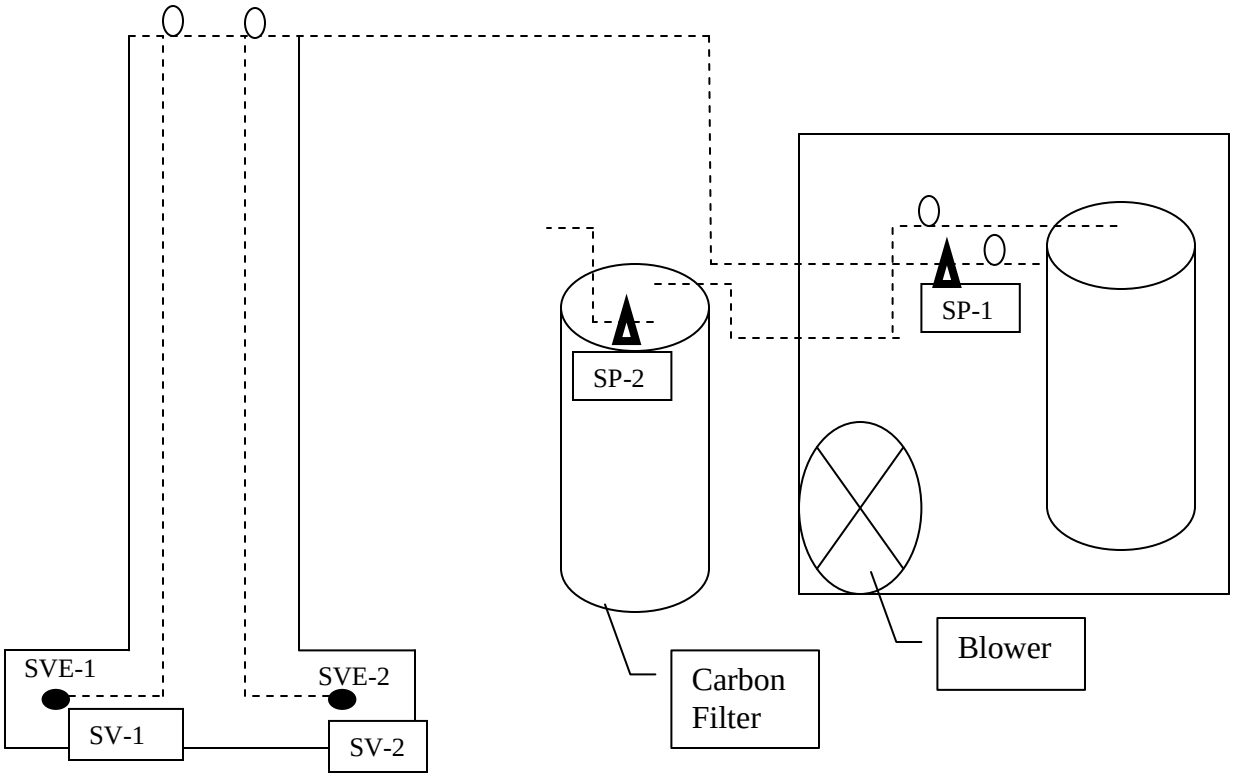
	1,1,1-Trichloroethane
MW-8(2019)	9.9
MW-8(2020)	16



	Tetrachloroethene
MW-8(2019)	1.1
MW-8 (2020)	1.1



LIST OF FIGURES



LEGEND:

- Soil Vapor Extraction Wells
- Manifold Vacuum Gauges
- System Piping
- Air Sampling Locations

Note: Drawings is not scaled. All locations are approximate.

G. C. Environmental, Inc.
CONSULTANTS CONTRACTORS

22 OAK STREET
BAY SHORE, NEW YORK 11706

TEL: (631) 206-3700
FAX: (631) 206-3729

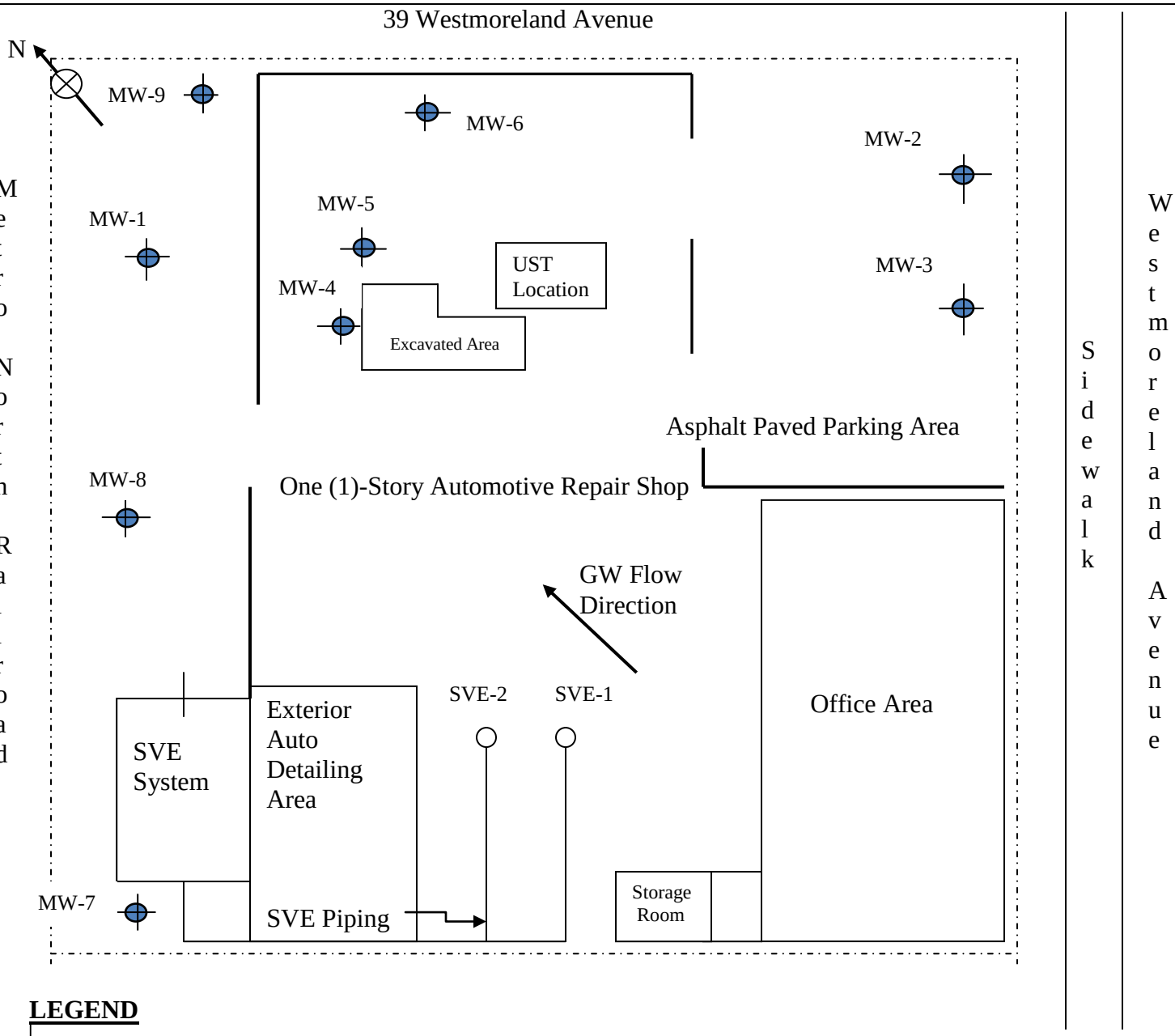
BASIC SVE SYSTEM/AIR SAMPLING DIAGRAM

101 WESTMORELAND AVENUE
WHITE PLAINS, NY 10606

GCE PROJECT NO.: 05-003-00

FIGURE 1

SVE SYTEM/
AIR SAMPLING
DIAGRAM



LEGEND

- Monitoring Well Location
- Soil Vapor Extraction Point
- Property Line

Note: Drawings is not scaled. All locations are approximate.

G. C. ENVIRONMENTAL, INC
CONSULTANTS CONTRACTORS

22 OAK STREET
BAY SHORE, NEW YORK 11706

TEL: (631) 206-3700
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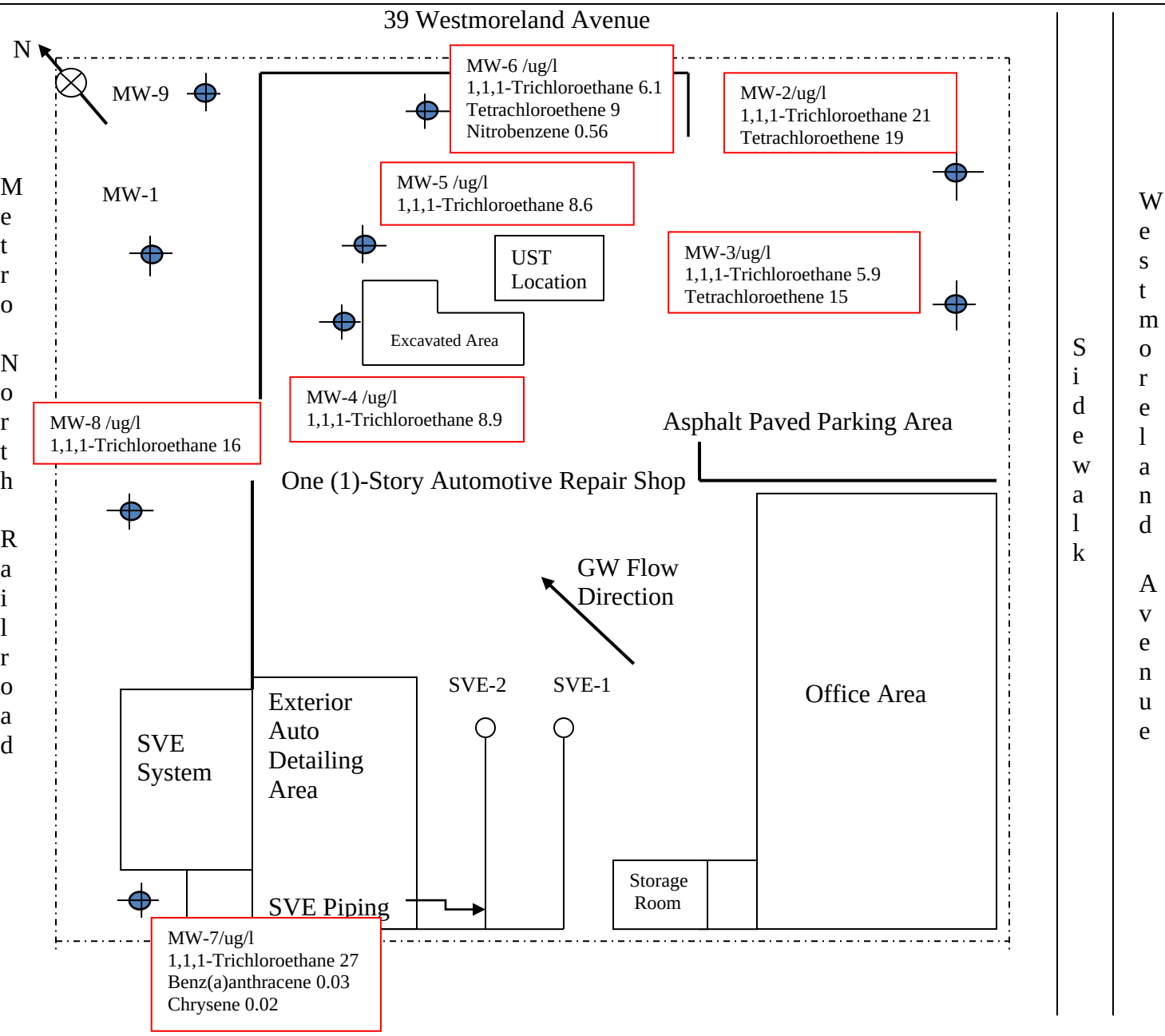
SITE MAP

101 WESTMORELAND AVENUE
WHITE PLAINS, NY 10606

GCE PROJECT NO.: 05-003-00

FIGURE 2

SITE MAP



LEGEND

- Monitoring Well Location
- Soil Vapor Extraction Point
- Property Line

Note: Drawings is not scaled. All locations are approximate.

G. C. ENVIRONMENTAL, INC
CONSULTANTS CONTRACTORS

22 OAK STREET
BAY SHORE, NEW YORK 11706

TEL: (631) 206-3700
FAX: (631) 206-3729

EXCEEDANCES
GW RESULTS

101 WESTMORELAND AVENUE
WHITE PLAINS, NY 10606

GCE PROJECT NO.: 05-003-00

FIGURE 3

EXCEEDANCES
GW RESULTS

APPENDIX A

NYSDEC Institutional and Engineering Controls 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. 360095

Site Name Automobile Club of New York

Site Address: 101 Westmoreland Avenue Zip Code: 10606
City/Town: White Plains
County: Westchester
Site Acreage: 0.200

Reporting Period: October 14, 2019 to October 14, 2020

	YES	NO
1. Is the information above correct?	X	
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?		X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X
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?		X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	
7. Are all ICs in place and functioning as designed?	X	

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.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 360095 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
125.82-1-1	Automobile Club of New York, Inc.	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

The property may be used for commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv);

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;

Monitoring must be performed as defined in the SMP;

All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

Box 4

Description of Engineering Controls

Parcel	Engineering Control
125.82-1-1	Cover System Air Sparging/Soil Vapor Extraction

Site Cover

Soil Vapor Extraction System

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 compete.

YES	NO
X	☐

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
X	☐

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. 360095

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 Robert Walters (print name) at 1415 Kellum Place, Garden City, NY 11530 (print business address),

am certifying as Remedial Party/Owner (Owner or Remedial Party)

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

Robert Walters — 11/9/20

Signature of Owner, Remedial Party, or Designated Representative — Date

Rendering Certification Robert Walters, Treasurer

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 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 Dean Devoe (print name) at G.C.Environmental,Inc. 22 Oak Street,Bay Shore,NY 11706 (print business address),

am certifying as a Qualified Environmental Professional for the Now Known as AAA Northeast Automotive Club of New York (Owner or Remedial Party)



Dean Devoe

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

11/17/20

Date

APPENDIX B

SVE Inspection System/Cover System Monitoring Forms

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
Scott Mladyna	11/26/19	-54	-54	-52	-52	50	-	-0	0	-0	0	GCE	.15

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	11/26/19
Field Technician Name:	Scott Mlodynia

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			Miniscule water
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.		✓		
Take picture of all vacuum gauges.	✓			-52/-54
Take picture of the CFM gauge.	✓			50
Take picture of the PID Readings at all points.	✓			.00
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	11/26/19
Field Technician Name:	Scott Mlodynia

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed outside the building footprint?		✓		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
Scott Miodyna	12/19/19	Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
		-35	-50	-52	-52	50	—	0.00	0.00	0.00	0.00		frozen water accumulation

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	12/19/19
Field Technician Name:	Scott Mlodynia

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			Water was frozen.
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			
Take picture of the CFM gauge.	✓			50.
Take picture of the PID Readings at all points.	✓			.00
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	12/19/19
Field Technician Name:	Scott Mlodynia

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed outside the building footprint?		✓		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
Scott Mlodyma	2-24-20	54	54	52	52	50	--	0.00	0.00	0.00	0.00	——	Water accumul[illegible]

G. C. Environmental, Inc. 101 Westmoreland Ave., White Plains, New York (AAA) Soil Vapor Extraction System Cover System Monitoring Log	
Inspection Date:	2-24-20
Field Technician Name:	Scott Mlodyma

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		√		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		√		
Any underlying remaining contamination is disturbed the building footprint?		√		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		√		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		√		
Any underlying remaining contamination is disturbed outside the building footprint?		√		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	2-24-20
Field Technician Name:	Scott Mlodynia

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.				Water accumulation was observed.
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			
Take picture of the CFM gauge.	✓			50 CFM
Take picture of the PID Readings at all points.	✓			0.00 at all points
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
Scott [illegible]	4.30.20	0.0	0.0	0.0	0.0	0.00	—	0.0	0.0	0.0	0.0	GCI	None

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	4.30.20
Field Technician Name:	Scott Mlodynia

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	X			Donot work properly; There is dont see issue
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	X			0.0 - not working properly.
Check all switches for proper operation. Check all wiring for loose connections.	X			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	X			No water
Check for loose fittings and bolts.	X			
Check moisture separator for pressure drop across filter/moisture demister.	X			
Take picture of all vacuum gauges.	X			0.00 - Issue; not working
Take picture of the CFM gauge.	X			0.00
Take picture of the PID Readings at all points.	X			0.00 ppm
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	X			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	Scott Mlodynia
Field Technician Name:	4/30/20

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		X		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		X		
Any underlying remaining contamination is disturbed the building footprint?		X		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		X		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		X		
Any underlying remaining contamination is disturbed outside the building footprint?		X		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
Scott Mladya	4/30/20	0	0	0	0	0 0		0	0	0	0		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	4.30.20
Field Technician Name:	Scott Modyna

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			The system was not operational.
Take picture of the CFM gauge.	✓			//
Take picture of the PID Readings at all points.	✓			
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	4.30.20
Field Technician Name:	Scott Molina

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed outside the building footprint?		✓		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
Scott [illegible]	7.24.20	49	50	50	50	50	—	0.	0.	0.	0.0		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	7.24.20
Field Technician Name:	Scott Mlodya

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			49-50 inch.
Take picture of the CFM gauge.	✓			5 CFM
Take picture of the PID Readings at all points.	✓			0.00
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	4.26.19
Field Technician Name:	Scott Mobyla

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed outside the building footprint?		✓		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
[illegible] Taylor	8.28.20	49	50	50	50	50		0.	0	0	0		1/3 of drum

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	8.28.20
Field Technician Name:	Fulya Toylular

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			1/3
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			49-50
Take picture of the CFM gauge.	✓			50
Take picture of the PID Readings at all points.	✓			0.00
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	8.28.20
Field Technician Name:	Tolya Taylor

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?				
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		No changes
Any underlying remaining contamination is disturbed outside the building footprint?		✓		No changes

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
Scott Mladyn	9.29.20	-50	-50	50	50	50	—	0.	0.0	0.0	0.0		—

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	9.29.20
Field Technician Name:	

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			
Take picture of the CFM gauge.	✓			50
Take picture of the PID Readings at all points.	✓			0.00
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			In the secure fusion

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	9.29.20
Field Technician Name:	

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed outside the building footprint?		✓		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
Scott Medina	4.30.20	Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
		0.0	0.0	0.0	0.0	0.00	—	0.0	0.0	0.0	0.0	GCI	None

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	4.30.20
Field Technician Name:	Scott Mlodynia

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	X			Donot work properly; There is dont see issue
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	X			0.0 - not working properly.
Check all switches for proper operation. Check all wiring for loose connections.	X			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	X			No water
Check for loose fittings and bolts.	X			
Check moisture separator for pressure drop across filter/moisture demister.	X			
Take picture of all vacuum gauges.	X			0.00 - Issue; not working
Take picture of the CFM gauge.	X			0.00
Take picture of the PID Readings at all points.	X			0.00 ppm
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	X			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	Scott Mlodynia
Field Technician Name:	4/30/20

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		X		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		X		
Any underlying remaining contamination is disturbed the building footprint?		X		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		X		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		X		
Any underlying remaining contamination is disturbed outside the building footprint?		X		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
Scott Mladya	4/30/20	0	0	0	0	00		0	0	0	0		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	4.30.20
Field Technician Name:	Scott Modyna

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			The system was not operational.
Take picture of the CFM gauge.	✓			//
Take picture of the PID Readings at all points.	✓			
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	4.30.20
Field Technician Name:	Scott Molina

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed outside the building footprint?		✓		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
Scott Mladja	7.24.20	49	50	50	50	50	—	0.	0.	0.	0.0		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	7.24.20
Field Technician Name:	Scott Mlodya

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			49-50 inch.
Take picture of the CFM gauge.	✓			5 CFM
Take picture of the PID Readings at all points.	✓			0.00
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	4.26.19
Field Technician Name:	Scott Mobyla

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed outside the building footprint?		✓		

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
[illegible] Taylor	8.28.20	49	50	50	50	50		0.	0	0	0		1/3 of drum

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	8.28.20
Field Technician Name:	Fulya Toylular

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			1/3
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			49-50
Take picture of the CFM gauge.	✓			50
Take picture of the PID Readings at all points.	✓			0.00
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	8.28.20
Field Technician Name:	Tolya Taylor

Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?				
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		No changes
Any underlying remaining contamination is disturbed outside the building footprint?		✓		No changes

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Soil Vapor Operation Log

Field Tecnician	Inspection Date	Vacuum Pressure Readings (Inches of water)				Flow Rate Reading (cfm)	Temperat. reading	PID readings (ppm)				Operator	Water level within moisture seperator drum
		Blower	Exhaust	SVE-1	SVE-2			Blower Exhaust	GAC Exhaust	SVE-1	SVE-2		
Scott Mladyr	9.09.20	-50	-50	50	50	50	—	0.	0.0	0.0	0.0		—

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
SVE System & Cover System Monitoring Checklist

Inspection Date:	9.29.20
Field Technician Name:	

SVE System & Cover System Monitoring Checklist

	Yes	No	N/A	Notes
Check vacuum gauges to ensure that max. vacuum is not exceeded.	✓			
Inspect air filter on optional CFM gauge for moisture. Drain high vacuum switch.	✓			
Check all switches for proper operation. Check all wiring for loose connections.	✓			
Check water level within the moisture separator drum. Check operation of optional transfer pump.	✓			
Check for loose fittings and bolts.	✓			
Check moisture separator for pressure drop across filter/moisture demister.	✓			
Take picture of all vacuum gauges.	✓			
Take picture of the CFM gauge.	✓			50
Take picture of the PID Readings at all points.	✓			0.00
Take picture of the cover system (concrete and asphalt sub-slab) at all areas within and outside the building footprint.	✓			In the secure fusion

G. C. Environmental, Inc.
101 Westmoreland Ave., White Plains, New York (AAA)
Soil Vapor Extraction System
Cover System Monitoring Log

Inspection Date:	9.29.20
Field Technician Name:	

Cover System Monitoring Checklist

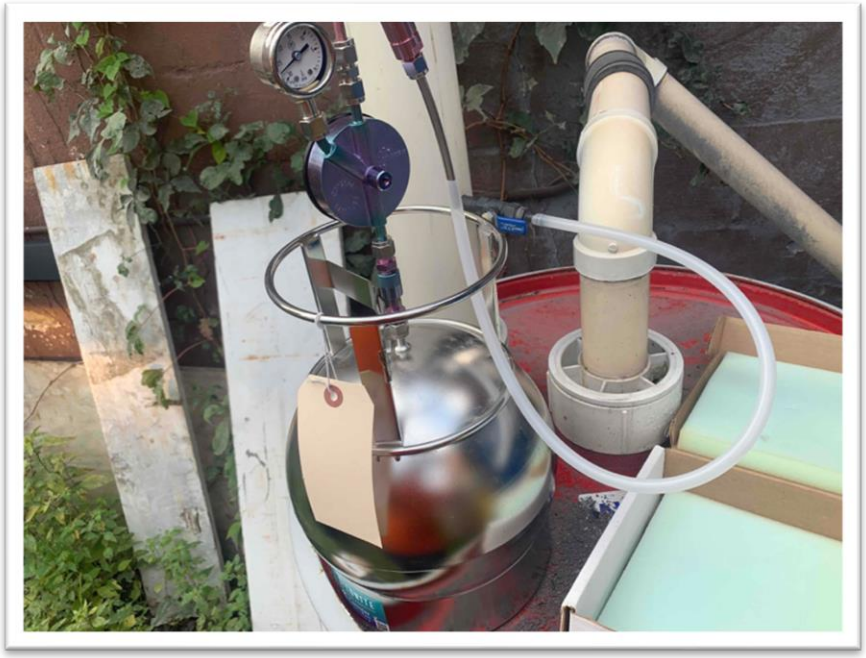
	Yes	No	N/A	Notes
Is the cover system (concrete sub-slab within the building footprint) breached and/or penetrated?		✓		
Is the cover system (concrete sub-slab within the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed the building footprint?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) breached and/or penetrated?		✓		
Is the cover system (asphalt sub-slab in all areas outside the building footprint) temporarily removed?		✓		
Any underlying remaining contamination is disturbed outside the building footprint?		✓		

APPENDIX C
Photolog

SVE System Design Work- Photolog



1. Air sampling at the SVE point by using suma-canister



2. Air sampling at the discharge of the carbon vessel

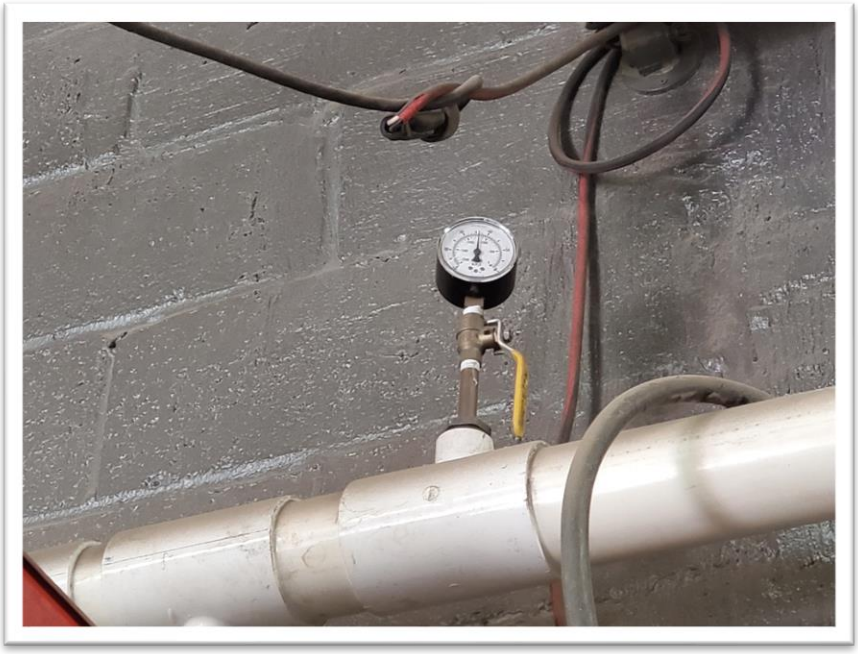
by using suma-canister



5. CFM reading at the SVE system unit



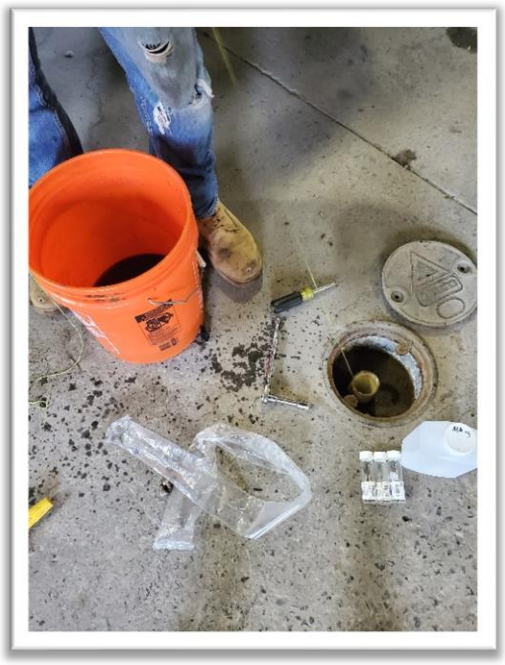
6. Vacuum gauges of the SVE system in the repair shop area



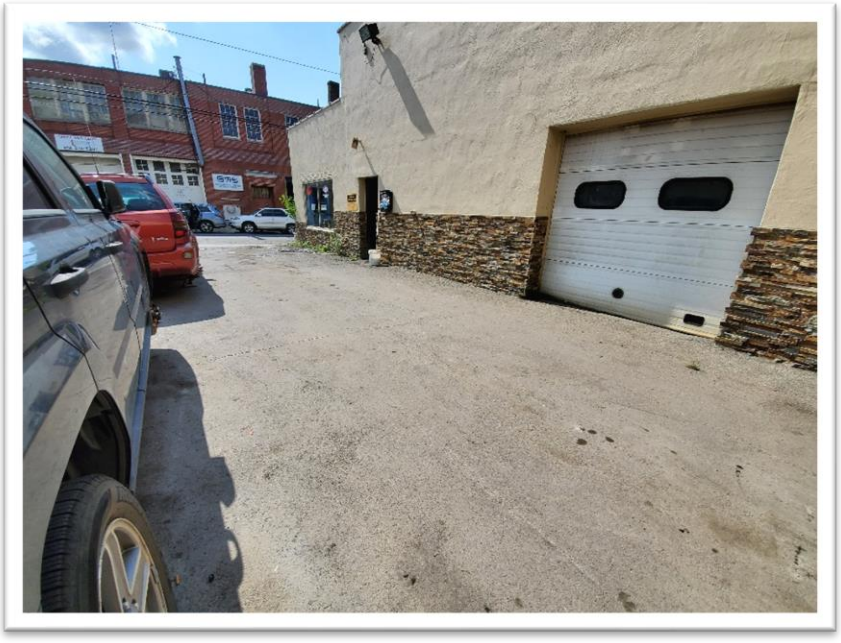
7. Vacuum gauge of the SVE system in the repair shop area



8. Vacuum gauges of the SVE system unit



9. Groundwater sampling



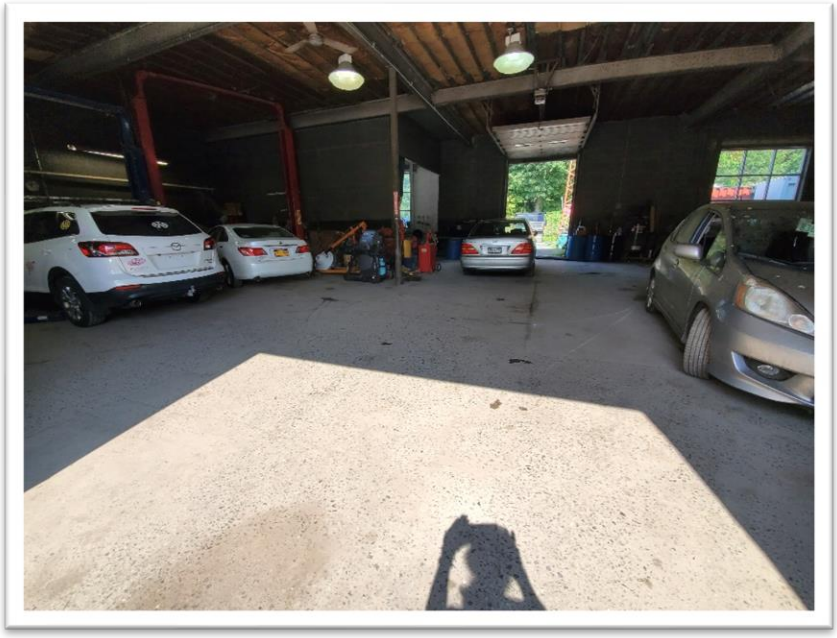
10. A View from the exterior portion of the site

(sub-slab area)



11. A View from the interior portion of the site

(SVE wells location - sub-slab)



12. A View from the interior portion of the site

(garage area -sub-slab)

APPENDIX D
WCDOH Air Permit

Westchester gov.com

George Latimer
County Executive

Sherlita Amler, M.D.
Commissioner of Health

June 27, 2018

Dean Devoe, PE
22 Oak Street
Bayshore, NY 11706

RE: Permit to Construct
Emission Points: EP-1
RJT Motor Services
101 Westmoreland Avenue
White Plains

Dear Mr. Devoe:

Forwarded herewith, please find a Permit to Construct a Source of Air Contamination issued for the above premise by the Westchester County Department of Health pursuant to Chapter 873, Article XIII, Section 873.1303.1 of the Laws of Westchester County under Permit Number # **52-8465.**

Your attention is directed to the installation description, expiration date and conditions of approval.

Please be advised that the applicant is responsible for the proper maintenance and operation of the above-referenced installation in such a manner that it will not exceed the emission limits or contravene the provisions of applicable State and County Air Pollution Control Regulations. Proper training of personnel in the operation of this equipment should be arranged for with the manufacturer or supplier of the equipment.

Upon construction of this source of air contamination, please return to this Department the Westchester County Department of Health application **form A** with the "completion of works" section filled out along with a copy of the Westchester County Department of Health Bureau of Environmental Quality **form B1** with items **34** and **55 completed** and two (2) sets of plans marked "as-built".

Very truly yours,

Natasha Court

Natasha Court, P.E.
Associate Engineer
Bureau of Environmental Quality

NC:AC:sbz

cc: Jim Clifford – Director Automobile Club of New York
Damon Amadio, PE – White Plains
Maria Antoniou, P.E., NYSDEC-WP
File

REDUCE REUSE RECYCLE

Department of Health
145 Huguenot Street
New Rochelle, New York 10801 Telephone: (914) 813-5161 Fax: (914) 813-5158

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
145 HUGUENOT STREET
NEW ROCHELLE, NEW YORK 108001
SHERLITA AMLER, M.D., COMMISSIONER OF HEALTH

EMISSION POINT: EP-1 **PERMIT NUMBER: 52-8465**

PERMIT TO CONSTRUCT
A SOURCE OF AIR CONTAMINATION

Approval is hereby given for the installation of an air contamination source pursuant to the provisions of Chapter 873, Article XIII, Section 873.1303.1 of the Laws of Westchester County.

OWNER/OPERATOR	Jim Clifford - Director	**INSTALLATION ADDRESS**
NAME:	Automobile Club of New York	RJT Motorist Services
ADDRESS:	1415 Kellum Place	101 Westmoreland Avenue
	Garden, NY 11530	White Plains, NY 10606

Description: To construct one (1) remediation system vapor extraction system consisting of one (1) 55 gallon General Carbon – Geotech activated carbon unit vented to the exterior via a 2HP vacuum fan rated at 150 cfm equipped with 2 sample H2 sports (inlet and outlet), monthly sampling schedule to determine breakthrough/maintenance/readings, taken with PID.

Conditions:

1. Deviation from the approved application shall void this Permit. Application for a Certificate to Operate shall be made in writing to the Department within thirty (30) days of the date of completion of the air contamination source and in accordance with this Permit.

2. This Permit may be suspended or revoked, as provided by the Laws of Westchester County, if this source of air contamination is maintained or operated other than in compliance with provisions of Chapter 873, Article XIII of the Laws of Westchester County, or of the air pollution control regulations contained in 6NYCRR.

3. That the professional engineer supervising such construction shall certify to the Department in writing that the constructed facilities have been under his supervision and that the works have been fully completed in accordance with approved specifications and plans.

4. That the construction of this source of air contamination be in accordance with approved plans A001 and dated May 1, 2018.

5. That the emission from this source of air contamination shall not exceed those set forth on the attached Appendix A.

FOR THE COMMISSIONER
Natasha Court, P.E.
Associate Engineer
Bureau of Environmental Quality

Certificate Issued: **June 27, 2018**
Certificate Expires: **September 30, 2018**

Westchester gov.com

George Latimer
County Executive

Sherlita Amler, M.D.
Commissioner of Health

September 6, 2018

Dean Devoe, PE
22 Oak Street
Bayshore, NY 11706

RE: Certificate to Operate
Emission Point: EP-1
RJT Motor Services
101 Westmoreland Avenue
White Plains

Dear Mr. Devoe:

Forwarded herewith, please find a Certificate to Operate a Source of Air Contamination issued for the above premise by the Westchester County Department of Health pursuant to Chapter 873, Article XIII, Section 873.1306.1 of the Laws of Westchester County under **Permit Number 52-8493.**

Your attention is directed to the installation description, expiration date and conditions of approval.

Please be advised that the applicant is responsible for the proper maintenance and operation of the above-referenced installation in such a manner that it will not exceed the emission limits or contravene the provisions of applicable State and County Air Pollution Control Regulations. Proper training of personnel in the operation of this equipment should be arranged for with the manufacturer or supplier of the equipment.

Respectfully,

Natasha Court

Natasha Court, P.E.
Associate Engineer
Bureau of Environmental Quality

NC:AC:sbz

cc: Jim Clifford – Automobile Club of NY
Damon Amadio, PE – Building Inspector
Maria Antoniou, P.E., NYSDEC-WP
File

REDUCE REUSE RECYCLE

Department of Health
145 Huguenot Street
New Rochelle, New York 10801 Telephone: (914) 813-5161 Fax: (914) 813-5158

WESTCHESTER COUNTY DEPARTMENT OF HEALTH
NEW ROCHELLE, NEW YORK 10801
SHERLITA AMLER, MD, COMMISSIONER

EMISSION POINT: EP-1 **PERMIT NUMBER : 52-8493**

CERTIFICATE TO OPERATE A SOURCE OF AIR CONTAMINATION

Approval is hereby given for the operation of an air contamination source pursuant to the provisions of Chapter 873, Article XIII, Section 873.1306.1 of the Laws of Westchester County.

OWNER/OPERATOR:	Jim Clifford - Director	**INSTALLATION ADDRESS:**
NAME:	Automobile Club of New York	RJT Motorist Services
ADDRESS:	1415 Kellum Place	101 Westmoreland Avenue
	Garden, NY 11530	White Plains, NY 10606

DESCRIPTION: To operate one (1) remediation system vapor extraction system consisting of one (1) 55 gallon General Carbon – Geotech activated carbon unit vented to the exterior via a 2HP vacuum fan rated at 150 cfm equipped with 2 sample H2S ports (inlet and outlet), monthly sampling schedule to determine breakthrough/maintenance/readings, taken with PID.

CONDITIONS:

1. This source of contamination shall be operated in compliance with the provisions of Chapter 873, Article XIII, of the Laws of Westchester County and the air pollution control regulations contained in Title 6 (Environmental Conservation) of the Official compilation of Codes, Rules and Regulations of the State of New York.

2. This Certificate may be suspended or revoked, as provided by the Laws of Westchester County, if this source of air contamination is maintained or operated other than in compliance with provisions of Chapter 873, Article XIII of the Laws of Westchester County, or of the air pollution control regulations contained in Title 6 (Environmental Conservation) of the Official compilation of Codes, Rules and Regulations of the State of New York.

3. Air contaminants collected by air cleaning devices shall be handled and disposed of in a manner whereby they will not be introduced in the outer air.

4. That the construction or modification of this source of air contamination is in accordance with plans dated July 26, 2018 and marked "as-built"

5. That the emission from this source of air contamination shall not exceed those set forth on the attached Appendix A.

FOR THE COMMISSIONER

Natasha Court, P.E.
Associate Engineer
Bureau of Environmental Quality

Certificate Issued: September 6, 2018

Certificate Expires: December 31, 2021

THIS APPROVAL IS NOT TRANSFERABLE-PLEASE POST

APPENDIX E
SVE Evaluation Work Plan