PERIODIC REVIEW REPORT
July 2022

Cornerstone Site B1
3100 Third Avenue
Bronx, NY
Site #C203044

Prepared for:

CS MELROSE SITE B, LLC
1865 Palmer Avenue, Suite 203
Larchmont, New York 10538

Prepared by:

CA RICH Geology Services, D.P.C.
17 Dupont Street
Plainview, New York 11803

July 13, 2022

New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau B
625 Broadway, Albany, NY 12207-2942

Attn: Sadique Ahmed,
Environmental Engineer 1

Re: Periodic Review Report 2021-2022
Cornerstone Site B1
3100 Third Avenue
Bronx, NY
BCP #C203044

Dear Mr. Ahmed:

Enclosed please find the Periodic Review Report for 2022 for the above-referenced location prepared by CA RICH Geology Services, D.P.C. If you have any questions pertaining to this report, please feel free to contact the undersigned.

Sincerely,

CA RICH CONSULTANTS, INC

Jason T. Cooper, PG
Vice President

cc: Sarita Wagh, NYSDOH
Document Repository
Ecc: Debbie Kenyon, CS Melrose Site B LLC
Nick Papakostopoulos C and C Managers
Karen Tyll, Tyll Engineering and Consulting P.C.

Table of Contents

FIGURES

TABLES

APPENDICIES

EXECUTIVE SUMMARY

The following Periodic Review Report (PRR) has been prepared by CA RICH Geology Services, D.P.C. (CA RICH) on behalf of CS Melrose Site B LLC for the Cornerstone Site B1 development. The property is located at 3100 Third Avenue, in the Bronx, New York (hereinafter referred to as "Site"). This document was prepared in accordance with the Site Management Plan (SMP) dated July 19, 2010 (Ref. 1) under Brownfield Cleanup Program (BCP) Agreement, Index Number W2-1126-08-10; Site #C203044.

Cornerstone Site B1 is identified as Block: 2364; Lots: 45 and 9058 on the Bronx Borough Tax Map. Prior to development of the Site, the property was identified as Block: 2364; Lots: 45, 49, 70, and the air rights over p/o 58. The BCP redevelopment portion of the site is comprised of Lots 45 and 70. The Site occupies an area approximately 16,028 square feet and is bounded by a vacant lot to the north, East 158th Street to the south, a small wedged vacant lot and Brook Avenue to the east, and Third Avenue to the west. The Site is located in an area consisting of mixed residential and commercial use. The Site was historically utilized as a store, upholstery business and an undertaker. Circa 1969, the building was also developed as a dry cleaner. In 1989, the building operated as a medical center and a dry cleaner. Lot 70 was historically used as the backyard of the dry cleaner and a community garden. An aerial photograph from Google Earth illustrating the Site location is enclosed as Figure 1 (Property Location Map). A Site Plan is enclosed as Figure 2.

Cornerstone Site B1 was redeveloped into an affordable housing complex with commercial space on the first floor. The building consists of 100% affordable, 107-unit mixed-income/mixed-use rental building. The building is approximately 136,700 square feet (sf), of which approximately 8,500 sf. is commercial space and approximately 1,200 sf. is community facility space. The remainder of the Site contains residential and accessory uses, including approximately 41 parking spaces (approximately 16,000 sf) and a community room for residents (approximately 1,100 sf). Redevelopment activities occurred from 2009 to 2011.

A Remedial Investigation (RI) was conducted at the Site between June and October 2007, and in April 2009 (Ref. 2). In addition, a pre-design investigation was conducted in May and June 2009 (Ref. 3). The RI and pre-design investigation identified the following areas of concern: tetrachloroethylene (PCE or perc) in the subsurface soils, groundwater and soil vapor at the Site, several Semi-Volatile Organic Compounds (SVOCs) and select metals in the subsurface soils at the Site, and select metals in the groundwater beneath the Site. Remedial work was conducted in

accordance with the approved Remedial Action Work Plan (RAWP) dated July 2009 (Ref. 4). The Final Engineering Report (FER), dated November 2010 (Ref. 5), documents the results of remedial action after its completion. After completion of the remedial work, some residual soil and groundwater contamination was left in the subsurface at the Site. The SMP (Ref. 1) was prepared to manage the residual contamination at the Site in perpetuity or until extinguishment of the Environmental Easement in accordance with 6 NYCRR Part 375. The NYSDEC issued a Certificate of Completion (COC) in December 2010 after approving the FER (Ref. 5) and SMP. All reports associated with the Site can be viewed by contacting the NYSDEC or its successor agency managing environmental issues in New York State.

An active groundwater pump and treat system that is comprised of four groundwater pumping wells currently operates on-site. The groundwater from these pumping wells is treated on-site with granular activated carbon and discharged into the New York City sewer system. The remedial program has proven to be effective in reducing PCE concentrations in the groundwater beneath the Site; as such, monitoring wells MW-3, MW-5, and MW-11 are no longer sampled; however, they are gauged for depth to water.

At this time, the Site is in compliance with all major elements of the SMP (Ref. 1). The PRR is due on an annual basis with the next PRR submittal scheduled for July 2023. The requirements for discontinuing site management have not yet been met.

1.0 INTRODUCTION

The following Periodic Review Report has been prepared by CA RICH on behalf of CS Melrose Site B LLC for the Cornerstone Site B1 property located at 3100 Third Avenue in the Bronx, New York (hereinafter referred to as the "Site") (see Figure 1). This document was prepared in accordance with the SMP dated July 19, 2010 (Ref. 1) under Brownfield Cleanup Program (BCP) Agreement, Index Number W2-1126-08-10; Site #C203044.

1.1 Site Description

Cornerstone Site B1 is identified as Block: 2364; Lots: 45 and 9058 on the Bronx Borough Tax Map. Prior to development of the Site, the property was identified as Block: 2364; Lots: 45, 49, 70, and air rights over p/o 58. The Site occupies an area approximately 16,028 square feet and is bounded by a vacant lot to the north, East 158th Street to the south, a small wedged vacant lot and Brook Avenue to the east, and Third Avenue to the west. The Site is located in an area consisting of mixed residential and commercial use. The Site was historically utilized as a store, upholstery business and an undertaker. Circa 1969, the building was also developed as a dry cleaner. In 1989, the building operated as a medical center and a dry cleaner. Lot 70 was historically used as the backyard of the dry cleaner and a community garden. An aerial photograph from Google Earth illustrating the Site location is enclosed as Figure 1 (Property Location Map). A Site Plan is enclosed as Figure 2.

1.2 Current Site Usage

Cornerstone Site B1 was redeveloped into an affordable housing complex with commercial space on the first floor. The building consists of 100% affordable, 107-unit mixed-income/mixed-use rental building. The building is approximately 136,700 square feet (sf.), of which approximately 8,500 sf. is commercial space and approximately 1,200 sf. is community facility space. The remainder of the Site contains residential and accessory uses, including approximately 41 parking spaces (approximately 16,000 sf) and a community room for residents (approximately 1,100 sf.). Redevelopment activities occurred from 2009 to 2011.

2.0 SITE HISTORY

Historical records indicate that Block: 2364; Lot: 45 was originally developed circa 1951 with a single story building with a basement. According to the Phase I Environmental Site Assessment (ESA) dated March 5, 2004 prepared by Pressly and Associates, Inc. (Ref.6), the building was utilized as a store, upholstery business and an undertaker. Circa 1969, the building was also developed as a dry cleaner. In 1989, the building operated as a medical center and a dry cleaner. Lot 70 was historically used as the backyard of the dry cleaner and a community garden. The Phase I ESA concluded the following:

- A dry cleaner operated on the Site in and around the period between 1969 and 1989. The dry cleaner was not identified in the Resource Conservation and Recovery Act (RCRA) database or spill files and probably pre-dated those databases. However, due to past experience with the poor housekeeping operations of these types of facilities, it was recommended that a groundwater investigation be conducted to evaluate the potential presence of dry cleaning solvents in the subsurface on the southern side of the building.
- All reported spills within 1/8 mile of the Site were of small volume and on land, therefore, not likely to impact the Site.
- Although medium radon levels were reported for Bronx County basements, the basement area is currently not occupied.

Based on the findings of the Phase I ESA, a Remedial Investigation (RI) (Ref. 2) was conducted for the Site. The RI was performed to characterize the nature and extent of contamination at the Site. Since the applicant entered into the BCP as a Volunteer, they are only responsible for investigating on-site issues. However, as the planned redevelopment for this Site includes the adjacent Lot 49, the RI was conducted at the Site (Lots 45 and 70) as well as at its adjacent lot (Lot 49). It is noted that the redevelopment area also includes an air rights parcel as part of Lot 58; but, as this parcel is an air rights parcel it was not included in the RI. All three lots (45, 49, and 70) are referred to in the RI as the “Study Area”. The investigation was conducted between June and October 2007, and in April 2009. In addition, a pre-design investigation was conducted in May and June 2009 (Ref. 3). The results of the RI and pre-design investigation are described in detail in the following Reports:

Document	Date
Remedial Investigation Report, CA RICH	April 2009
Groundwater Investigation and Design Report, CA RICH	September 2009; Revised November 2009

Generally, the RI and pre-design investigation determined that there had been a release of tetrachloroethene (PCE) to the subsurface soils at the Site. The data indicated that PCE is present below the portions of the former building foundation that were tested, but is most concentrated below the southern portion of the former building, which was formerly used as a dry cleaning facility. Elevated levels of several Semi-Volatile Organic Compounds (SVOCs) commonly referred to as Polynuclear Aromatic Hydrocarbons or "PAHs" and select metals were detected in the soil throughout the Site and in the adjacent Lot 49 at varying depths. There were also four pesticide detections above Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) (Ref. 7). One polychlorinated biphenyl (PCB) Aroclor (1242) also exceeded the Part 375 Unrestricted Use SCOs. In addition, elevated levels of PCE, acetone, methyl ethyl ketone (MEK), toluene, and xylene were measured in the soil vapor throughout the Site. The levels of acetone and toluene may have been related to a portion of the Site that was once occupied by an undertaker.

As rainwater infiltrates into the soils at the Site, some of the PCE has migrated into the groundwater. PCE was detected above NYSDEC Technical and Operational Guidance Series (TOGS) (Ref. 8) in the overburden and fractured bedrock at on-site monitoring wells MW-7, MW-8, MW-1 and off-site wells MW-2A, MW-5, and MW-6.

Below is a summary of Site conditions when the RI was performed in 2007 and 2009:

Soil

VOCs – Several Volatile Organic Compounds (VOCs) were detected in the soils within the Study Area. PCE was detected in soil samples collected below the basement floor of the former building at concentrations ranging from 3.6 to 49 ug/kg. Detections of MEK (a.k.a. 2-butanone) and acetone were also recorded. None of these detections, however, exceeded the Part 375 Unrestricted Use SCOs (Ref. 7).

SVOCs – Numerous SVOCs were detected in the soils within the Study Area. The compounds that exceeded the Part 375 Unrestricted Use SCOs were: benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene.

Metals – Several metals were detected in the subsurface soils within the Study Area. Of these occurrences, the detections of barium, cadmium, calcium, copper, magnesium, lead, mercury, silver, and zinc in the soils within the Study Area exceeded the Part 375 Unrestricted Use SCOs.

Pesticides – Several pesticides were detected in the soils within the Study Area. These included dieldrin, endrin, endosulan sulfate, DDE, DDD, and DDT. Of these, dieldrin exceeded the Part 375 Unrestricted Use SCOs in the shallow, zero to one foot deep samples only. The pesticides dieldrin, 4,4'-DDE, 4,4'-DDD, and 4,4'-DDT exceeded Part 375 Unrestricted Use SCOs throughout the Study Area.

PCBs – There were two detections of polychlorinated biphenyls (PCBs), Aroclors 1242 and 1254, within the Study Area. The detection of Aroclor 1242 exceeded the Part 375 Unrestricted Use SCOs.

Below is a summary of Site conditions when the pre-design investigation was performed in 2009:

Soil

VOCs – Ethyl benzene, isopropylbenzene, naphthalene, PCE, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m,p-Xylene, and o-Xylene were detected in the soil/fill materials. PCE detections ranged from 0.85 to 55.4 ug/kg. These detections were significantly below Part 375 Unrestricted Use SCOs.

PCE detections ranged from 0.85 to 55.4 ug/kg. These detections were significantly below Part 375 Unrestricted Use SCOs.

SVOCs – Phenol, acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, 1,1'-Biphenyl, carbazole, chrysene, dibenzo(a,h)anthracene, dimethyl phthalate, bis(2-Ethylhexyl)phthalate, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, 2-Methylnapthalene,

naphthalene, phenanthrene, and pyrene were detected in the soil/fill materials. These detections were significantly below Part 375 Unrestricted Use SCOs.

Pesticides – Alpha-Chlordane, gamma-Chlordane, 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT were detected in the soil/fill materials. The detections of 4,4'-DDT and 4,4'-DDD in sample MW-6A (8 feet) and 4,4'-DDT in sample MW-9 (17 feet) exceeded the Part 375 Unrestricted Use SCOs.

PCBs – Aroclor 1260 was detected in sample MW-2A. This detection was significantly below Part 375 Unrestricted Use SCOs.

Metals – Aluminum, arsenic, barium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, potassium, vanadium, and zinc were detected in the soil/fill materials. The detections of chromium in samples MW-2A, MW-6A (8 feet), MW-7 (5 feet), MW-8 (16 feet), MW-9 (17 feet), and MW-10 (5 feet); lead in samples MW-7 (5 feet) and MW-9 (17 feet); mercury in sample MW-7 (5 feet); and, zinc in sample MW-8 (16 feet) exceeded the Part 375 Unrestricted Use SCOs.

Site-Related Groundwater

Below is a summary of Site conditions when the RI was performed in 2007 and 2009:

VOCs – Two VOCs, PCE and chloroform, were detected above NYSDEC TOGS Class GA groundwater standards (Ref. 8). Chloroform was detected above NYSDEC TOGS in monitoring wells MW-1, MW-3, and MW-4. PCE was detected above the NYSDEC TOGS in monitoring wells MW-1, MW-2, MW-3, and MW-5. Overall, the PCE detections ranged from 4 to 7,900 ug/L.

Metals – There were six metals that exceeded NYSDEC TOGS groundwater standards in the Study Area; iron, magnesium, manganese, selenium, sodium, and thallium.

Below is a summary of Site conditions when the pre-design investigation was performed in 2009:

VOCs – Acetone, bromodichloromethane, 2-Butanone (MEK), chloroform, cis-1,2-dichloroethene, methylene chloride, PCE, and trichloroethene (TCE)were detected in the groundwater. PCE detections ranged from 0.50 to 17,700 ug/L. The detections of PCE in

samples MW-2A (and its associated duplicate), MW-6 (and its associated duplicate), MW-7, MW-8, and OB-MW-8; acetone in sample MW-8; chloroform in samples MW-8 and OB-MW-8; and, TCE in sample MW-2A exceeded NYSDEC TOGS groundwater standards.

SVOCs – Acetophenone, benzaldehyde, bis(2-Ethylhexyl)phthalate, naphthalene, and n-Nitrosodiphenylamine were detected in the groundwater. These detections were significantly below NYSDEC TOGS.

Metals – Aluminum, barium, calcium, chromium, iron, lead, magnesium, manganese, nickel, potassium, selenium, sodium, and zinc were detected in the groundwater. The detections of magnesium in samples MW-2A (and its associated duplicate), MW-6 (and its associated duplicate), MW-7, OB-MW-9, MW-3, and MW-4; aluminum in sample MW-10; chromium and selenium in sample MW-8; and, sodium in samples MW-2A (and its associated duplicate), MW-6 (and its associated duplicate), MW-7, MW-8, OB-MW-8, OB-MW-9, MW-10, MW-3, and MW-4 exceeded NYSDEC TOGS groundwater standards.

Site-Related Soil Vapor Intrusion

The results of the RI showed that the soil vapor within the Study Area had been impacted with VOCs. PCE was detected in all seven of the sub-slab soil vapor points below the former building at concentrations exceeding 1.3 ug/m^3, New York State Department of Health's (NYSDOH) mean value of VOCs in air of fuel oil heated homes (Ref. 9). Numerous other VOCs including acetone, MEK, TCE, toluene and xylene were detected at concentrations in excess of the NYSDOH's mean values for indoor air.

Storage Tanks

During the RI, three 275-gallon aboveground storage tanks (ASTs) were observed within the basement of the existing building. At that time, it appeared that one of the ASTs contained liquid, one was empty, and the third was filled with sand. In addition, a fill port and vent pipe likely associated with the ASTs were observed on Third Avenue next to the Site building.

3.0 SUMMARY OF REMEDIAL ACTION

The Site was remediated in accordance with the NYSDEC-approved RAWP dated June 2009 (Ref. 4), RAWP Addendum dated July 2009 (Ref. 10), and the Groundwater Investigation and Design Report dated September 2009; Revised November 2009 (Ref. 11). In addition, all remedial activities were summarized on daily and monthly reports to NYSDEC and NYSDOH and are included in the Final Engineering Report.

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

1. Collection of additional soil waste characterization samples to profile the soil/fill for disposal purposes. A waste disposal facility was selected based on the data collected. Based on the requirements of the selected facility, additional soil/fill samples were collected and analyzed to obtain soil disposal facility approval.

2. Excavation of soil/fill to 14.8, 15.8, or 22.67 feet below grade (or until bedrock encountered) was completed as needed Site-wide to facilitate construction of the foundation of the proposed new structure. The excavation for the proposed new building's foundation removed all soil/fill exceeding the Track 4 Site Specific Soil Action Levels (SSSALs) established for this Site and soil vapor source areas at the Site.

3. Screening for indications of contamination (by visual means, odor, and monitoring with a photoionization detector (PID)) of all excavated soil during any intrusive Site work.

4. Collection and analysis of end-point samples to evaluate the performance of the remedy with respect to attainment of the Track 4 SSSALs developed for this Site.

5. Appropriate off-site disposal of all material removed from the Site in accordance with all Federal, State and local rules and regulations for handling, transport, and disposal;

6. Removal of three 275-gallon ASTs in accordance with applicable regulations;

7. A pre-design groundwater investigation that included 1) the installation of soil borings; 2) the installation of wells MW-2A, MW-6, MW-7, OB-MW-7, MW-8, and OB-MW-8;

and, 3) a pump test on wells MW-2A, MW-6, MW-7, and MW-8. A Pre-Design Investigation Work Plan (Ref. 3) was submitted to NYSDEC in a separate document and was approved on June 16, 2009. The results of the pre-design investigation were included in the Groundwater Investigation and Design Report (Ref.11).

8. Injection of Regenox™ (in-situ chemical oxidation ("ISCO") treatment) into the overburden and overburden/groundwater interface in select portions of the Site. The selected areas contained elevated levels of PCE either in the overburden soil/fill, water flowing within the overburden, or both. The injections were proposed as part of the Groundwater Investigation and Design Report (Ref. 11).

9. Based on the results of the pump test, a pump and treat system was installed to collect and treat the halogenated VOC-impacted groundwater (PCE and its degradation products) within shallow bedrock fractures in the locations of MW-2A, MW-6, MW-7, and MW-8. In addition, overburden well MW-11 was installed and added to the monitoring well network. The system design and well installation was included in the Groundwater Investigation and Design Report (Ref. 3).

10. MW-2 was abandoned per NYSDEC guidance using imported sand and bentonite. In addition, during abandonment, two to three well volumes of water from the respective monitoring well were removed and disposed of properly.

11. Construction and maintenance of an engineered composite cover system consisting of concrete-covered sidewalks, foundation walls, a ventilated parking garage, and concrete building slabs to prevent human exposure to residual contaminated soil/fill remaining under the Site. In addition, a vapor barrier was installed underneath the entire building foundation for additional protection. The composite cover system encompasses the entire footprint of the Site. No exposed soils remain.

12. Recording of an Environmental Easement, including active Institutional Controls (ICs), to prevent future exposure to any residual contamination remaining at the Site.

13. A Sub-slab Depressurization (SSD) system was incorporated below the foundation of the building for additional protection. The SSD system consists of horizontal trenches containing perforated pipe and gravel. The horizontal pipes were connected to vertical risers that extend above the roof of the building. Any pipe

penetrations through the vapor barrier were sealed in accordance with the manufacturer's recommendations. An SSD fan was mounted to the riser above the roof surface.

14. Collection and analysis of post-remedial groundwater samples from wells MW-1, MW-2A, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-10, and MW-11 to evaluate performance of the remedy.

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

Remedial activities were completed at the Site in February 2010.

The overall objective of the remedial action was to remediate environmental conditions at the Site to the satisfaction of the NYSDEC and NYSDOH for its intended future residential and commercial use. The following is a summary of the remedy that was implemented at the Site. The remedial action was conducted in accordance with the approved Remedial Action Work Plan (RAWP) (Ref. 4). The FER dated November 2010 (Ref. 5) documents the results of the remedial action after its completion. The SMP (Ref. 1) provides a detailed description of the procedures required to manage residual contamination left in place at the Site. NYSDEC issued a Certificate of Completion in December 2010 after approving the FER and SMP.

4.0 EVALUATION OF REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

The SMP requires inspections of all systems installed at the Site at least annually. In addition, a comprehensive Site-wide inspection is required to be completed annually. Additional inspections in the event of an emergency, such as a natural disaster are also required. The information gathered during the inspection is reported in the following sections.

4.1 Site-wide Inspection

The Site-wide inspection was conducted on June 14, 2022 by Jason Cooper, P.G. of CA RICH. The underground parking garage, surrounding street areas, small courtyard, and all on-site wells were inspected.

No additional Site-wide inspections were conducted during this reporting period as there were no events that warranted emergency inspections. Select photographs of the Site during the inspection are enclosed as Appendix A. The Site-wide Inspection form is enclosed as Appendix B.

4.2 Engineering Controls

Engineering controls at the Site consist of a vapor barrier, a composite cover system, passive sub-slab depressurization system, and a groundwater pump and treat system. An SSD system under the ventilated parking garage was installed during the construction of the new buildings' foundation as a contingency in the event that the parking garage is no longer ventilated or its design is altered to include occupied living space. At this time the SSD system remains off.

The engineering controls were inspected and evaluated on June 14, 2022 by Jason Cooper, P.G. The groundwater pump and treat system is temporarily off as approved by NYSDEC. No changes to the other engineering controls have occurred from the previous PRR. Based on the June 14, 2022 inspection, the ECs continue to perform as designed and be protective of human health and the environment. The inspection form is enclosed as Appendix B. Details regarding the ECs and their inspection are outlined below.

4.2.1 Vapor Barrier

A 15-mil ASTM E-1745 compliant vapor barrier manufactured by Stego® was installed underneath the building's foundation. The vapor barrier was overlapped by a minimum of six inches and secured with mastic or asphaltic tape. Conduits penetrating the vapor barrier were sealed with mastic or tape as per manufacturers' specifications. The vapor barrier specifications were included in the Final Engineering Report (Ref. 5).

The inspection conducted on June 14, 2022 concluded, based on visual observations, that the concrete basement floor has remained in good condition and the relatively newer concrete in the area of the sewer pipe is also in good condition. No additional modifications were visible in the parking garage. Jason Cooper, P.G. did not identify any areas where the cover system appeared impaired, compromised, or otherwise damaged.

4.2.2 Composite Cover System

For any residual contamination left in place, exposure to residual contaminated soils is prevented by an engineered, composite cover system that was built on the Site. The composite cover system consists of concrete pavement on walkways, concrete parking lots, concrete building slabs and foundation walls, and one foot of gravel which covers the entire Site. Slabs and paving systems include sub-base materials that are at least 12-inches thick. The composite cover system specifications are detailed in the Final Engineering Report (Ref. 5).

The inspection conducted on June 14, 2022 concluded, based on visual observations, that the concrete basement floor has remained in good condition and the concrete in the area of the sewer pipe is also in good condition. No additional modifications were visible in the parking garage. Jason Cooper, P.G. did not identify any areas where the cover system appeared impaired, compromised, or otherwise damaged.

4.2.3 Sub-slab Depressurization System

Installation of an SSD system in addition to the ventilated parking garage was included in the construction of the new buildings' foundation as a contingency in the event that the parking garage is no longer ventilated or its design is altered to include occupied living space. The objective of the SSD system when in operation is to maintain a negative pressure underneath the slab while allowing the vapors below the concrete slab to vent without intruding into the building. The SSD

system consists of horizontal trenches with four-inch perforated PVC pipe, a filter sock, and gravel. The horizontal pipes are connected to three vertical risers that combine into one six-inch header that extends above the roof of the building. A Magnehelic gauge was installed to each of the three riser pipes above the slab to facilitate collection of vacuum readings. These Magnehelics will also serve as warning devices or indicators to ensure that this system is working properly when operational. Sample ports were also installed in each of the riser pipes to allow for the collection of soil gas samples, if needed. In addition, labels were affixed to each riser immediately below the sample ports indicating the following:

SUB-SLAB DEPRESSURIZATION SYSTEM

This is a component of a Sub-Slab Depressurization System

DO NOT ALTER OR DISCONNECT

For Service call: CA RICH Consultants 516-576-8844

The SSD system layout is illustrated on Figure 3 and the typical vent and roof detail is illustrated on Figure 4. If the building design is altered and the SSD system needs to be activated, NYSDEC will be notified and a start-up test will be conducted to confirm that the SSD system is working.

Procedures for operating and maintaining the SSD system are documented in the Operation and Maintenance Plan (O&M) (Section 4 of the SMP, Ref. 1). Procedures for monitoring the system are included in the Monitoring Plan (Section 3 of the SMP, Ref. 1). The SMP also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site ECs.

The Site inspection did not include an inspection of the passive SSD system as no modifications have occurred at the Site. The parking garage continues to be ventilated and activation of the SSD system is not required at this time.

4.2.4 Groundwater Remediation System

A groundwater pump and treat system was installed at the Site to collect and treat the residual halogenated VOC-impacted groundwater (PCE and its degradation products) within the shallow bedrock fractures in the locations of MW-2A, MW-6, MW-7, and MW-8. The piping and vaults for the pump and treat system were installed in December 2009 and February 2010. The mechanical system components were installed in March 2010. NYCDEP Sewer Discharge Permit number 569293 was obtained on April 21, 2010. The system was started up on April 22, 2010. The groundwater pump and treatment system details are illustrated on Figure 5.

Beginning in late 2013, the compressor began to malfunction and actions were taken to repair the system. The groundwater pump and treat system underwent repairs and maintenance from March 2014 to June 2014. During this time the pumps were removed from all wells (wells 2A, 6, 7, and 8) and sent to the manufacturer, QED®, for maintenance and repairs. The pumps were refurbished and reinstalled back in their respective wells in June 2014.

In addition, a brand new five-horse power Campbell-Hausfeld compressor (Model No. CE700) with a 60-gallon receiver was installed in June 2014. The compressor was fitted with coalescing and particulate filtration and an automatic drain. The compressor was not connected to the air dryer as moisture buildup had not been an issue during the operation of the remediation system. If water build-up in the line becomes a problem, the air dryer will be reconnected. The five-horse power air compressor provides 17.2 cfm @ 90 psi and 16.6 cfm @ 175 psi.

The pump and treat system operates 24 hours per day, except during maintenance activities, until the termination criteria have been met. The termination criteria are outlined in Section 2.2.2.3 of the SMP. Procedures for operating and maintaining the Pump and Treat system are provided in the Operation and Maintenance Plan in Section 4 of the SMP. Procedures for monitoring the system are included in the Monitoring Plan (Section 3 of this SMP). The Monitoring Plan also addresses inspection procedures that must occur after any severe weather condition has taken place that may affect on-site ECs.

During the past year the system was not in operation and was turned off on January 5, 2021 as per request by CA RICH and approval by NYSDEC. The groundwater pump and treat system was not inspected for this PRR as it is off. If the system is operating at the time of the next PRR it shall be inspected at that time.

5.0 INSTITUTIONAL AND ENGINEERING CONTROL (I & EC) PLAN COMPLIANCE REPORT

5.1 Institutional Controls

A series of Institutional Controls were required at the Site to: (1) implement, maintain and monitor Engineering Control Systems; (2) prevent future exposure to residual contamination by controlling disturbances of the subsurface contamination; (3) restrict the use of the Site to residential/commercial uses only. Adherence to these ICs on the Site is required under the Environmental Easement and is implemented under the SMP.

These ICs are:

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

ICs 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 is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The property may only be used for restricted residential or commercial use provided that the long-term EC/ICs included in the SMP are employed or eliminated pursuant to the SMP;
- The property may not be used for a higher level of use, such as unrestricted 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 the SMP;

- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use;
- Subsurface 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 while the Environmental Easement is in effect. 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 while the Environmental Easement is in effect.

The environmental easement on this property is enforceable in perpetuity and is the mechanism that will be used to continually implement, maintain, monitor, and enforce such specified controls both by the BCP Volunteer, the BCP Volunteer's successors and assigns, and by State or local governments. A copy of the environmental easement with proof of filing with the responsible municipal authority is enclosed in the Final Engineering Report (Ref. 5).

5.2 Engineering Controls

Engineering controls (ECs) at the Site consist of a vapor barrier, a composite cover system, a groundwater pump and treat system, and a sub-slab depressurization system. Assurance of the ECs developed for the Site will be achieved using a combination of site inspections, monitoring, and annual certifications. The engineering controls were inspected and evaluated on June 14, 2022 by Jason Cooper, P.G. Details regarding the engineering controls and their inspection are outlined in Section 4.0. The groundwater pump and treat system was not inspected as it is currently temporarily shut down as approved by NYSDEC.

5.3 Certification

The annual certification for the Site consists of a completed NYSDEC IC/EC Certification Form for BCP Site# C203044. The completed IC/EC Certification Form was signed on July 8, 2022 and is enclosed as Appendix C. The annual certification was prepared in accordance with the SMP and has been signed by Jason Cooper, on behalf of the Owner, CS Melrose Site B, LLC and as the Qualified Environmental Professional.

6.0 MONITORING PLAN COMPLIANCE REPORT

6.1 Groundwater Monitoring Well Installation

From June 26, 2007 through to November 2, 2009 seven monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-10, and MW-11) and four pumping wells (MW-2A, MW-6, MW-7, and MW-8) were installed. Monitoring wells MW-1, MW-2 and MW-3 were installed using an air rotary drill rig equipped with an Odex drilling system. The wells were completed using new, four-inch diameter Schedule 40 PVC pipe and factory slotted well screens. The wells were constructed such that the well screens intersected both the water table interface and the soil/bedrock interface. The well installation depths are listed as follows:

Well ID	Terminal Depth (Feet below grade)
MW-1	51
MW-2	45

The wells were completed with number 2 sand, a bentonite seal, and a locking, watertight plug. MW-2 and MW-3 were completed with locking manholes, while MW-1 was left above grade and covered with a metal standpipe.

Monitoring wells MW-4 and MW-5 were installed using hollow stem augers from the ground surface to the top of the bedrock. From that point onward, a tri-cone roller bit attached to an air rotary drill rig was used to advance the borehole. The wells were again completed using new, four-inch diameter Schedule 40 PVC pipe and factory slotted well screens. The wells were constructed such that the well screens intersected both the water table interface and the soil/bedrock interface. The well installation depths are listed below.

Well ID	Terminal Depth (Feet below grade)
MW-3	45
MW-4	35
MW-5	49

The wells were completed with number 2 sand, a bentonite seal, and a locking, watertight plug. MW-5 was completed with a locking manhole, while the casing of MW-4 was left above grade and covered with a metal standpipe.

Pumping wells MW-2A, MW-6, MW-7, and MW-8, and groundwater monitoring well MW-10 were installed using the roto-sonic drilling method or a combination of roto-sonic and air rotary drilling methods. A six-inch hole was advanced through the overburden at least 5 feet into competent bedrock using the roto-sonic drilling method. A four-inch steel casing was then seated into the bedrock, cemented in place and allowed to set for a minimum of 24 hours. A four-inch hole was then drilled through the casing using the roto-sonic drilling method at MW-2A, MW-6, and MW-8. The air rotary drilling method was used at MW-7 and MW-10 due to a mechanical problem with the roto-sonic drill rig. The hole extended until the rate of groundwater flow was deemed sufficient to produce groundwater for monitoring purposes or to a maximum of 60 feet below grade. The well installation depths are listed below:

Well ID	Terminal Depth (Feet below grade)
MW-2A	55
MW-6	45
MW-7	50
MW-8	40
MW-10	57

MW-2A, MW-6, MW-7, MW-8, and MW-10 were completed with number 2 sand, a bentonite seal, a locking, watertight j-plug and flush-mounted bolt-down monitoring well covers,

Monitoring well MW-11 was installed on November 2, 2009 using hollow stem augers from ground surface to the top of the bedrock. The well was installed to a terminal depth of 19.2 feet below grade. The well was completed with number 2 sand, a bentonite seal, a locking j-plug and a flush mounted bolt-down cover.

During drilling activities the shallow groundwater was encountered between 15.05 (MW-8) to 43.20 (MW-10) feet above mean sea level (MSL). The monitoring well locations are illustrated on Figure 2.

Monitoring well MW-2 was properly abandoned on May 21, 2009 and MW-2A was installed in close proximity on May 28, 2009. Drill cuttings that were not used to backfill the borehole were drummed and disposed of off-site.

6.2 Groundwater Monitoring Well Survey

The well casing elevations for monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5 were surveyed on November 8, 2007, the well casing elevations of monitoring wells, MW-2A, MW-6, MW-7, MW-8 and MW-10 were surveyed on July 14, 2009 and monitoring well MW-11 was surveyed on January 26, 2010. All wells were surveyed by Montrose Surveying Company, a New York State licensed surveyor, to the nearest 0.01-foot. At the time of survey, all wells were flush mounted and no longer in standpipes. The initial depth to groundwater was measured on August 13, 2009. The elevations were then plotted and a water table elevation contour map was prepared to determine the horizontal direction of groundwater flow. Based upon the data collected on August 13, 2009, the Site-specific direction of groundwater flow is toward the southwest. The regional direction of groundwater flow is believed to be to the south and towards the confluence of the Harlem and East Rivers. The groundwater elevation contour maps as well as a tabulation of the casing elevations and depth to water measurements are included on Figure 6.

6.3 Groundwater Monitoring Well Sampling and Analysis

Since issuance of the COC, groundwater samples have been collected on a quarterly basis in accordance with the SMP. As of December 2015, NYSDEC required this sampling to be changed from quarterly to semi-annually. All groundwater samples were submitted to Alpha Analytical Laboratories (an ELAP certified laboratory) for the December 2021 and the June 2022 sampling. All groundwater samples were analyzed for VOCs using USEPA Method 8260 with NYSDEC ASP Category B deliverables. The following samples were also collected for QA/QC purposes: one trip blank, one field blank, one duplicate sample, one matrix spike and one matrix spike duplicate. All groundwater samples were received and analyzed within their respective holding times. Groundwater monitoring wells MW-3 and MW-5 no long require sampling as part of the now semi-annual groundwater sampling as the PCE concentrations have been less than 5 ppb for four consecutive quarters. In addition, beginning in the second half 2015, MW-11 no longer requires

sampling. The groundwater monitoring network is summarized on Table 2. A groundwater sampling log containing sampling details and measurements was completed for each well. A copy of the groundwater sampling log for each half is included in Appendix D.

The laboratory analytical results were compared to their applicable NYSDEC TOGS groundwater standards (Ref. 8) and are summarized on Table 1. A qualified third-party Data Validator reviewed the groundwater laboratory data and a DUSR was prepared. A complete copy of the validated groundwater data package is attached in Appendix E. The analytical data from each sampling round was also submitted to NYSDEC electronically in the Electronic Data Deliverable (EDD) format and checked with the EQuIS program. The following is a summary of each semi-annual sampling event for the second half of 2021 and first half of 2022.

6.3.1 Second Half 2021

The second half 2021 post-remedial groundwater sampling was conducted on December 14, 2021 on monitoring wells MW-1, MW-2A, MW-4, MW-6, MW-7, MW-8, and MW-10.

During this past half, the PCE concentration in all sampled monitoring wells monitored was above the Class GA Groundwater Standard of 5 ug/L or parts per billion (ppb). The following lists the monitoring wells and PCE concentrations for the second half 2021:

Well ID	PCE Concentration (ug/L or ppb)
MW-1	29
MW-2A	400
MW-3	Sampling No Longer Required
MW-4	13
MW-5	Sampling No Longer Required
MW-6	55
MW-7	42
MW-8	630
MW-10	19
MW-11	Sampling No Longer Required

A groundwater contour map showing the groundwater flow at the Site on December 14, 2021 is included as Figure 7 and a PCE concentration box plot map is included as Figure 8.

6.3.2 First Half 2022

The first half 2022 post-remedial groundwater sampling was conducted on June 14, 2022 on monitoring wells MW-1, MW-2A, MW-4, MW-6, MW-7, MW-8, and MW-10.

During this past half, the PCE concentration in all sampled monitoring wells monitored was above the Class GA Groundwater Standard of 5 ug/L or parts per billion (ppb) with the exception of MW-10. The following lists the monitoring wells and PCE concentrations for the first half 2022:

Well ID	PCE Concentration (ug/L or ppb)
MW-1	48
MW-2A	180
MW-3	Sampling No Longer Required
MW-4	6.4
MW-5	Sampling No Longer Required
MW-6	42
MW-7	16
MW-8	540
MW-10	3.8
MW-11	Sampling No Longer Required

A groundwater contour map showing the groundwater flow at the Site on June 14, 2022 is included as Figure 9 and a PCE concentration box plot map is included as Figure 10.

6.3.3 Conclusions

The results from the semi-annual monitoring sampling show that the operation of the pump and treat system coupled with the Chemical Oxidation Program has resulted in an improvement in the overall quality of the groundwater beneath the Site. The groundwater quality at monitoring wells MW-3, MW-5, MW-11 have achieved non-sampling status and therefore were not sampled during this reporting period

Six of the seven wells sampled (MW-1, MW-4, MW-6, MW-7, and MW-8) exhibited a decrease in PCE concentrations from the December 2021 sampling event to the June 2022 sampling event, which is summarized below.

Well	2021 PCE Concentration (ug/L)	2022 PCE Concentration (ug/L)
MW-1	29	48
MW-2A	400	180
MW-4	13	6.4
MW-6	55	42
MW-7	42	16
MW-8	630	540
MW-10	19	3.8

The groundwater flow at the Site was measured on December 14, 2021 and June 14, 2022 with the system not in operation. The groundwater flow direction at these times was towards the southwest.

6.4 MONITORING PLAN COMPLIANCE REPORT CONCLUSIONS AND RECOMMENDATIONS

From June 2021 to June 2022, there were no monitoring deficiencies and the monitoring plan was in full compliance. Overall, the groundwater beneath the Site has shown a decrease in PCE concentrations. In addition, monitoring wells MW-3 and MW-5 are no longer included in the semi-annual groundwater sampling events as monitoring wells MW-3 and MW-5 have achieved the non-sampling criteria outlined in the SMP (Ref 1). Monitoring well MW-11 has also achieved the non-sampling criteria as of December 2015 with a PCE concentration of 2.5 ug/L, below the NYSDEC standard. The SMP states that groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC, until residual groundwater concentrations are found to be consistently below NYSDEC standards, or have become asymptotic over an extended period or have become dry. Semi-annual (twice a year) Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. As PCE concentrations continue to decrease with the groundwater pump and treat inactive, we recommend that the system continue to remain off.

7.0 OPERATION & MAINTENANCE PLAN COMPLIANCE REPORT

7.1 Groundwater Pump and Treat System

Since the groundwater pump and treat system was started up on April 22, 2010, operations and maintenance visits have been conducted in the frequency outlined in the SMP. The groundwater pump and treat system has been functioning normally. However, the pump in pumping well MW-2A is stuck approximately 7-9 feet above the normal depth, but continues to pump water from the well to the system for treatment. Section 4.2.4 of this report details the system repair timeline. The system has been off for this reporting period since January 5, 2021 when the system was approved by NYSDEC to be temporarily shut down. Checklists from each operations and maintenance visit are enclosed in Appendix F and Table 3 summarizes the totalizer reading and clickers for each pumping well. 4.2.4

7.2 Groundwater Pump and Treat System Discharge Sample and Analysis

A sample of the effluent groundwater from the groundwater pump and treat system was obtained every quarter beginning in the second quarter of 2011 until the latest sampling event in October 2018. The samples were submitted to American Analytical Laboratories and analyzed for the NYCDEP B+ parameters. The samples were analyzed within their respective holding times each quarter. The analytical results from each sampling event dating back to the second quarter 2011 indicate that all parameters are in compliance with the permit; therefore, a carbon change-out has not been needed. A hard copy of the laboratory sample results was attached to a summary letter and sent to the NYCDEP. Copies of the letter from the October 2018 sampling is included in Appendix G.

In November 2018, NYCDEP indicated sampling of the system for discharge into the City sewers was no longer required (See Appendix H). Sampling for the NYCDEP B+ parameters have not been collected since the issuance of the NYCDEP e-mail. Sampling of the raw and treated groundwater from the system is conducted on a semi-annual basis during the groundwater sampling events and only analyzed for VOCs. Because the groundwater pump and treat system was shut down on January 5, 2021 no raw or treated groundwater was sampled for analysis.

7.3 Sub-Slab Depressurization System

Installation of an SSD system in addition to the ventilated parking garage was included in the construction of the new buildings' foundation as a contingency in the event that the parking garage is no longer ventilated or its design is altered to include occupied living space. If the building design is altered and the SSD system needs to be activated, NYSDEC will be notified and a start-up test will be conducted to confirm that the SSD system is working. At the time of this Report, no modifications to the building design have occurred and the SSD system remains off. As such, no O&M activities are required at this time.

7.4 Operation & Maintenance Plan Compliance Report Conclusions And Recommendations

The remediation system has operated continuously from the second half 2019 through to January 5, 2021 when it approved to be turned off by NYSDEC. Overall, the groundwater quality beneath the Site has exhibited a decrease in PCE concentrations, which indicates the groundwater pump and treat system did operated effectively in the past.

However, at this time, it appears that the PCE concentrations in the pumping wells are unaffected by operation of the system. The PCE concentrations in the pumping wells have ranged from 3.8 ug/L in MW-10 to 540 ug/L in MW-8 in June 2022 and 13 ug/L in MW-4 to 630 ug/L in MW-8 in December 2021. We recommend the groundwater pump and treat system continue to remain off.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The overall objective of the remedial action is to remediate environmental conditions at the Site to the satisfaction of the NYSDEC and NYSDOH for the future restricted residential/commercial use. As documented in the FER (Ref. 5), the results of the remedial activities conducted at the Site indicate that the identified areas of concern were satisfactorily addressed. NYSDEC issued a Certificate of Completion in October 2010 after reviewing the FER (Ref. 5) and SMP (Ref. 1).

Based on the evaluation of the inspection and monitoring data, the following has been concluded:

- ECs and associated ICs were in place, performed properly, and remain effective;
- The monitoring plan was properly implemented;
- The remedy continues to be protective of public health and the environment and compliant with the decision document for the Site.

- The groundwater pump and treat system remains inactive and a decrease in the PCE concentrations have been observed.

Based on the above conclusions, the following shall continue:

- Operations and maintenance activities of the groundwater pump and treat system should continue in accordance with the schedule outlined in the approved SMP, if and when the system is reactivated;
- Groundwater pump and treat system samples should continue to be collected on a semi-annual basis during groundwater sampling events, if and when the system is reactivated;
- Groundwater sampling should continue on a semi-annual basis; and
- The next Periodic Review Report should be submitted in July 2023.

We recommend the groundwater pump and treat system remain inactive as PCE concentrations in the monitoring wells have exhibited a significant decrease since the system was turned off.

9.0 REFERENCES

1. CA RICH Consultants, Inc. Site Management Plan. New York: Author, July 2010.

2. CA RICH Consultants, Inc. Remedial Investigation Report, Cornerstone Site B-1, 3100 Third Avenue, Bronx, N.Y. New York: Author, November 2007; Revised April 2009.

3. CA RICH Consultants, Inc. Groundwater Investigation and Design Report. New York: Author, June 2009.

4. CA RICH Consultants, Inc. Remedial Action Work Plan. New York: Author, June 2009.

5. CA RICH Consultants, Inc. Final Engineering Report. New York: Author, November 2010.

6. Pressly & Associates, Inc. Phase I Environmental Site Assessment For Site B, Block 2364; Lots 45, 49. 55, 56, 58, Third Avenue/E.160th Street/Brook Avenue, Bronx, NY. (also includes Lot 70). New York: Author, March 2004.

7. NYSDEC. 6 NYCRR Part 375 Environmental Remediation Programs, Subparts 375-1 to 375-4 & 375-6. New York: Author, December 2006.

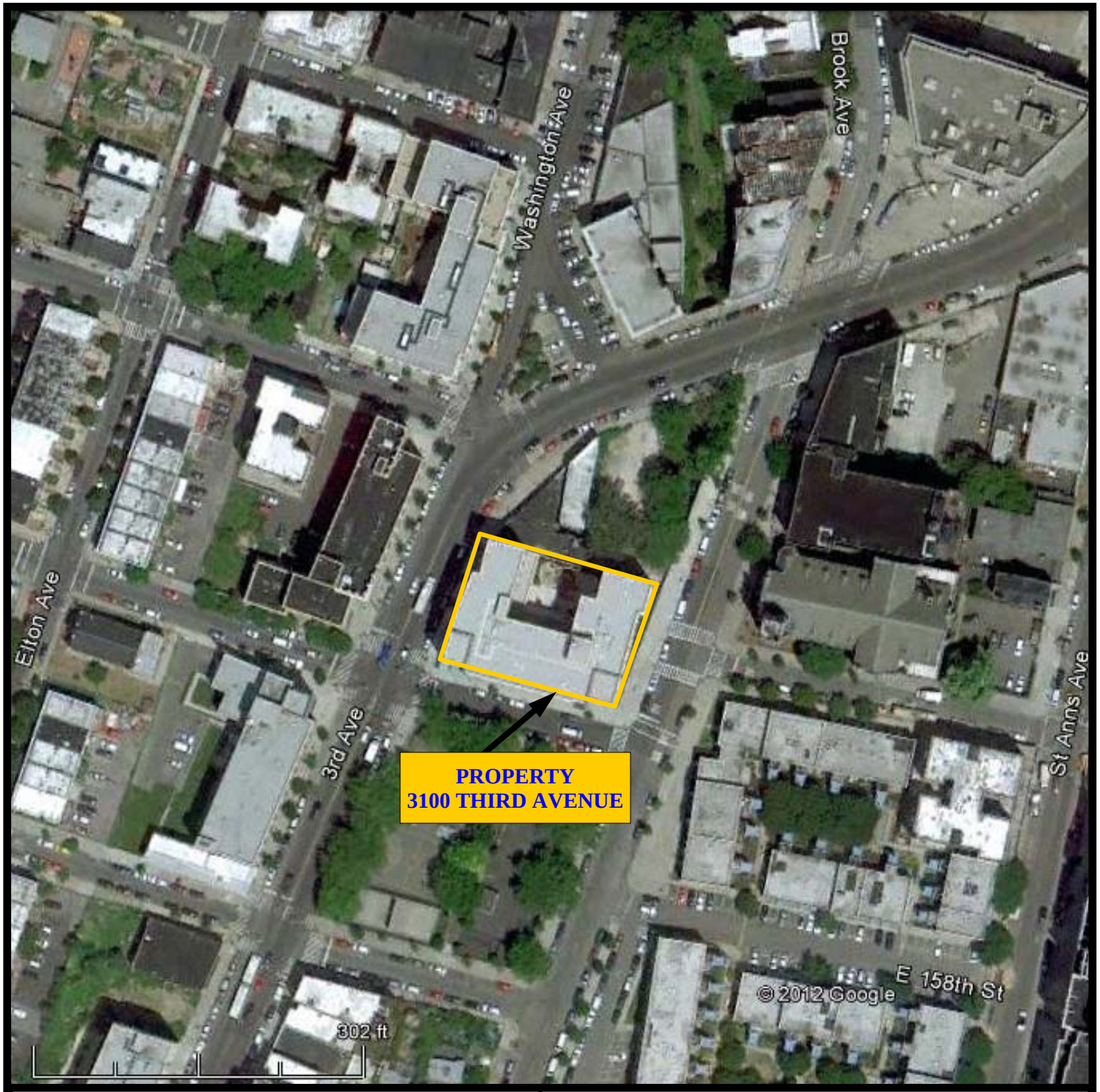
8. NYSDEC. Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. New York: Author, June 1998

9. NYSDOH. Guidance for Evaluating Soil Vapor Intrusion in the State of New York. New York, Author, October 2006.

10. CA RICH Consultants, Inc. Remedial Action Work Plan Addendum. New York: Author, July 2009.

11. CA RICH Consultants, Inc. Groundwater Investigation and Design Report. New York: Author September 2009; Revised November 2009.

FIGURES

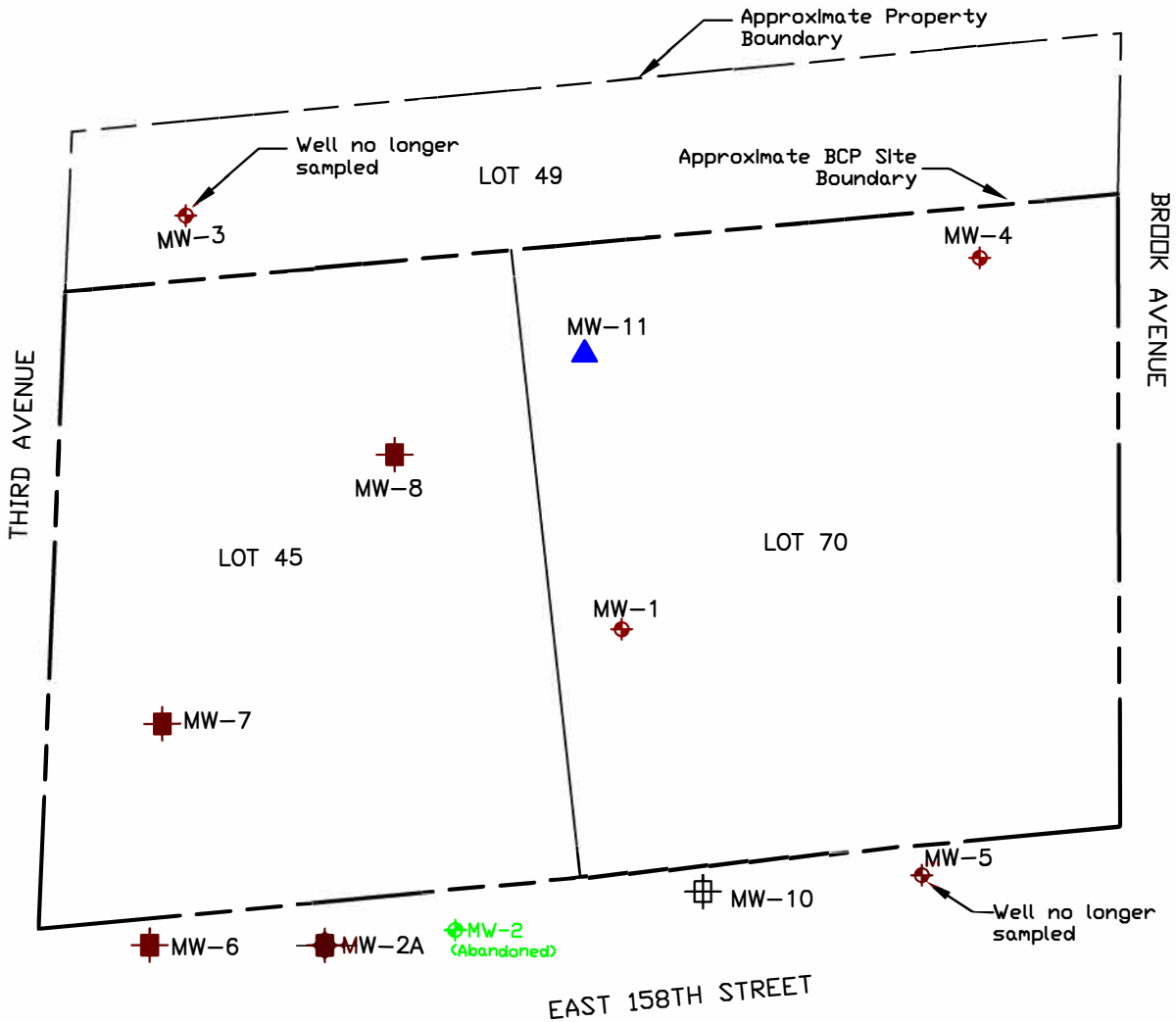


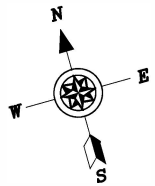
Adapted from Google Earth 2012

N

CA RICH CONSULTANTS
17 Dupont Street,
Plainview, NY 11803

TITLE: **Property Location Map**		DATE: **6/29/2012**
		SCALE: **As Shown**
FIGURE: **1**	**Cornerstone Site B-1** **3100 Third Avenue** **Bronx, New York**	DRAWN BY: **JTC**
DRAWING:		APPR. BY: **RJI**





LEGEND

- Overburden Well
- Monitoring Well (Screen Straddles Overburden/Bedrock Interface)
- Bedrock Well
- Bedrock Well with Pump

Graphic Scale In Feet

0 10 20 30 40 50 60

Notes:

1) Based on survey by Montrose Surveying Co. LLP., 4/27/2010. Datum: Borough of Bronx Topographical Bureau
2) Since development began, all lots comprising the development Site (lots 45, 49, 70, and air right of p/o 58) have since merged into lots 45 and 905B.

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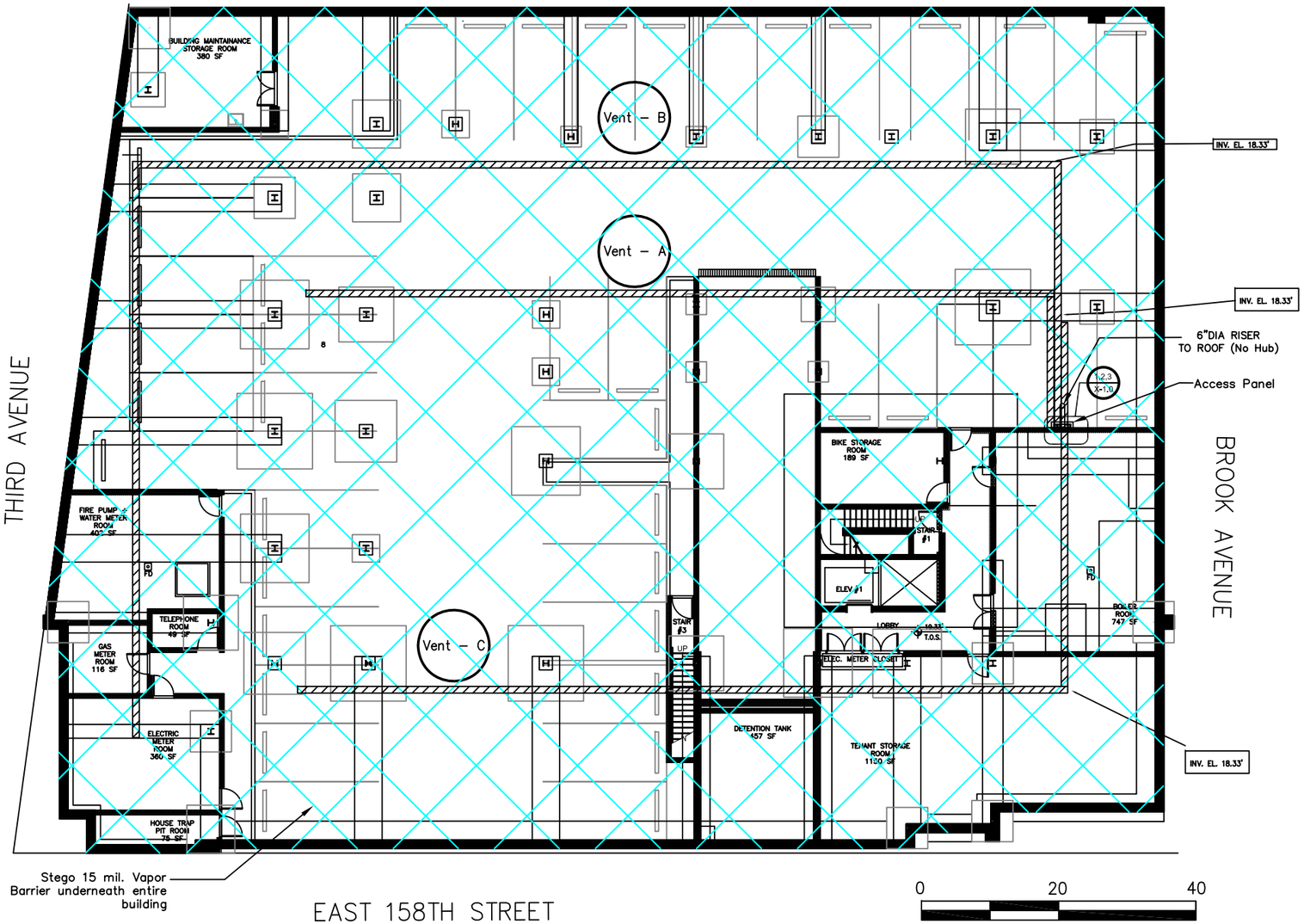
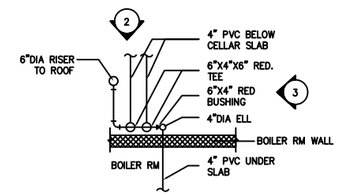
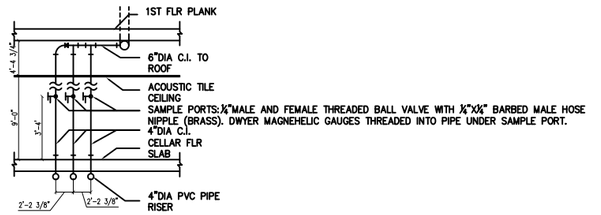
17 Dupont Street, Plainview, New York 11803

TITLE: Site Plan	DATE: 6/24/2015
	SCALE: As Shown
FIGURE: 2	CORNERSTONE B1 3100 THIRD AVENUE THE BRONX, NEW YORK
DRAWING NO: 2015-2	DRAWN BY: J.T.C.
	APPR. BY: R.J.I.

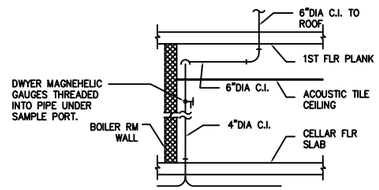




1 SSD PIPE RISER PLAN
NTS

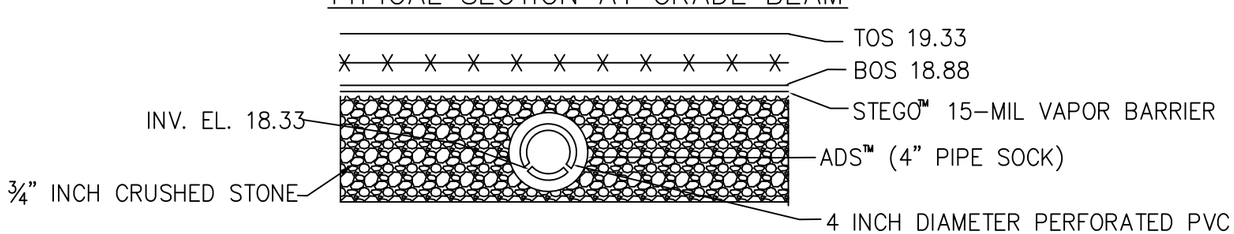


2 ELEVATION: SSD PIPE RISER
NTS



3 ELEVATION: SSD PIPE RISER
NTS

TYPICAL SECTION AT GRADE BEAM



LEGEND

SSD Piping

Vapor Barrier

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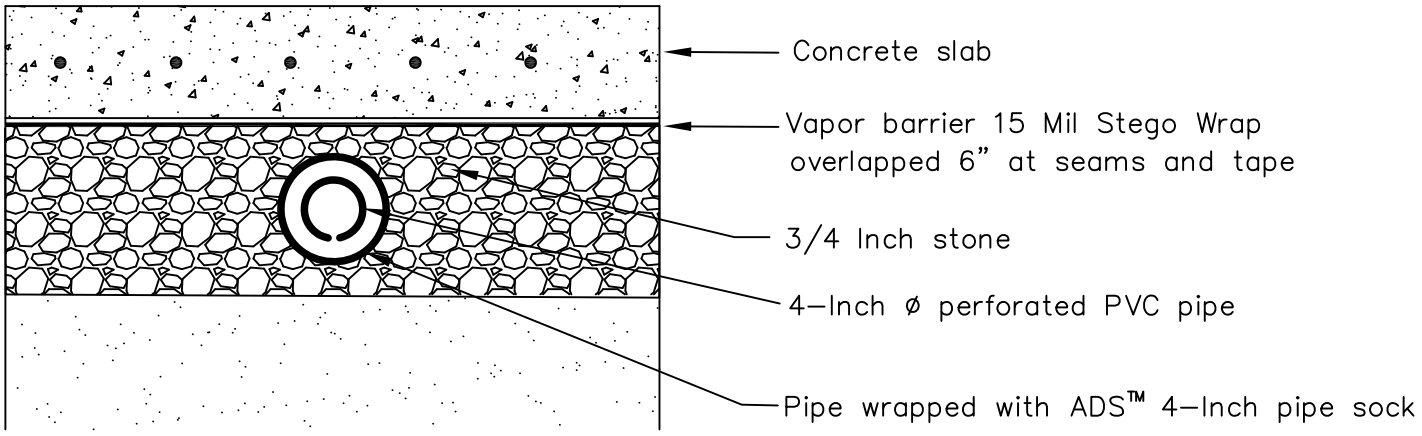
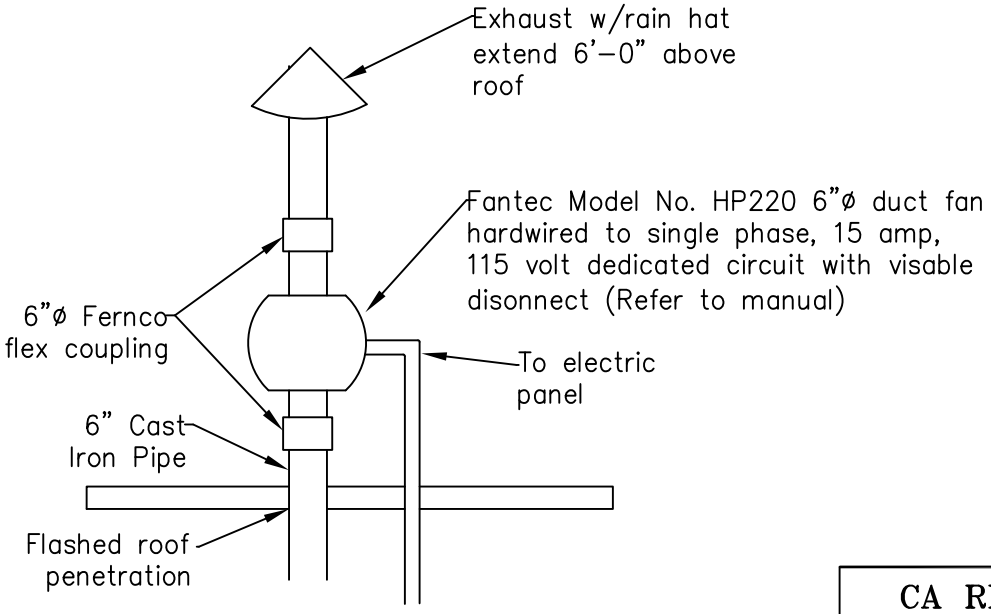
Stephen J. Osmundsen, P.E.
Consulting Engineer
514 Pantigo Road # 16, East Hampton New York 11937

TITLE: As-Built SSD Layout and Vapor Barrier		DATE: 6/17/2010
		SCALE: AS SHOWN
FIGURE: 3	CORNERSTONE B1 3100 THIRD AVENUE THE BRONX, NEW YORK	DRAWN BY: J.T.C.
DRAWING NO: 11.30.09 X-1.0		APPR. BY: D.S.



Below ground detail



Above roof detail

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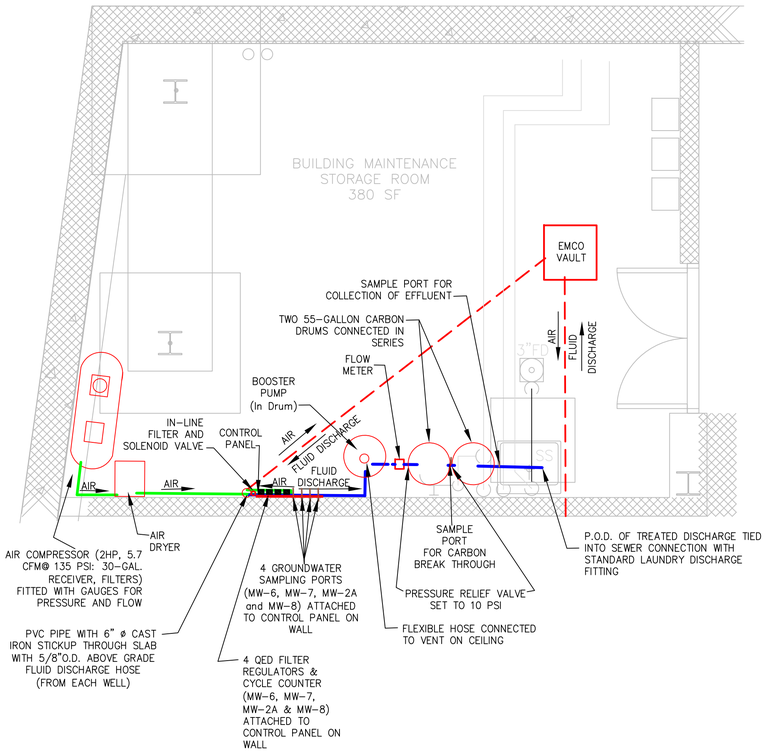
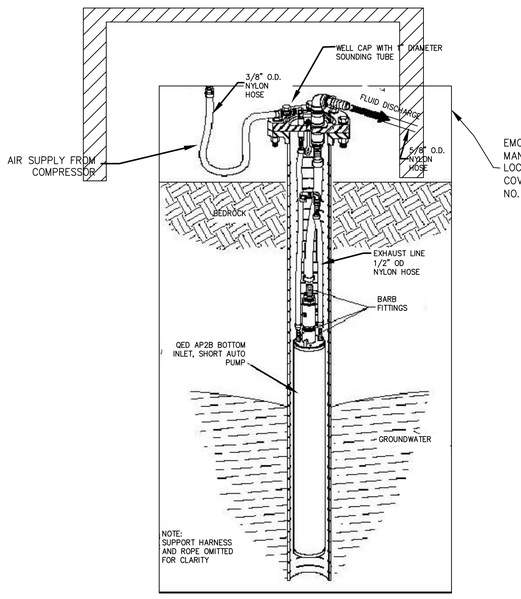
Consulting Engineer
514 Pantigo Road #16, East Hampton, New York 11937

TITLE: Vent and Roof Detail		DATE: 7/07/2010
		SCALE: Not to Scale
FIGURE: 4	CORNERSTONE B1 3100 3rd AVENUE THE BRONX, NEW YORK	DRAWN BY: J.T.C.
DRAWING NO: 2007–44a		APPR. BY: S.J.O.

BUILDING MAINTENANCE ROOM AND TREATMENT SYSTEM DETAIL



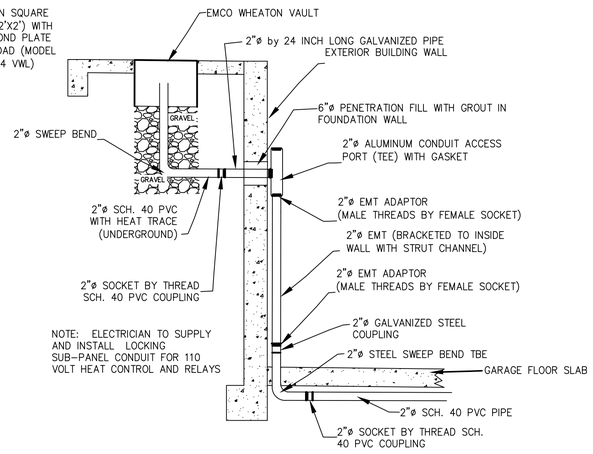
TYPICAL VAULT WITH PUMP DETAILS



NOT TO SCALE

EMCO WHEATON SQUARE MANHOLE (2'X2'X2') WITH LOCKING DIAMOND PLATE COVER H20 LOAD (MODEL NO. A0717-724 VWL)

WALL PENETRATION DETAIL



NOT TO SCALE

NOTE: ELECTRICIAN TO SUPPLY AND INSTALL LOCKING SUB-PANEL CONDUIT FOR 110 VOLT HEAT CONTROL AND RELAYS

LEGEND

- MW-8 — EMCO WHEATON FLUSH-MOUNT MANHOLE WITH WELL AND PUMP
- EMCO WHEATON FLUSH-MOUNT MANHOLE WITHOUT WELL AND PUMP
- (RED) — 4" ø SCHEDULE 40 SOCKET WELDED PVC PIPE CARRYING 3/8" O.D. AIR LINE, 1/2" O.D. EXHAUST LINE and 5/8" O.D. FLUID DISCHARGE
- (CYAN) — 2" ø SCHEDULE 40 SOCKET WELDED PVC PIPE WITH HEAT TRACING CARRYING 3/8" O.D. AIR LINE, 1/2" O.D. EXHAUST LINE and 5/8" O.D. FLUID DISCHARGE
- (ORANGE) — 2" ø SCHEDULE 40 SOCKET WELDED PVC PIPE CARRYING 3/8" O.D. AIR LINE, 1/2" O.D. EXHAUST LINE and 5/8" O.D. FLUID DISCHARGE
- (MAGENTA) — HOUSE PLUMBING CARRYING SYSTEM EFFLUENT TO SEWER
- (GREEN) — 3/8" O.D. AIR HOUSE
- (PURPLE) — 5/8" O.D. FLUID DISCHARGE HOSE

0 25 50

Graphic Scale in Feet

DRAWING ADAPTED FROM MAP CELLAR FLOOR FRAMING PLAN AND PLUMBING DETAIL

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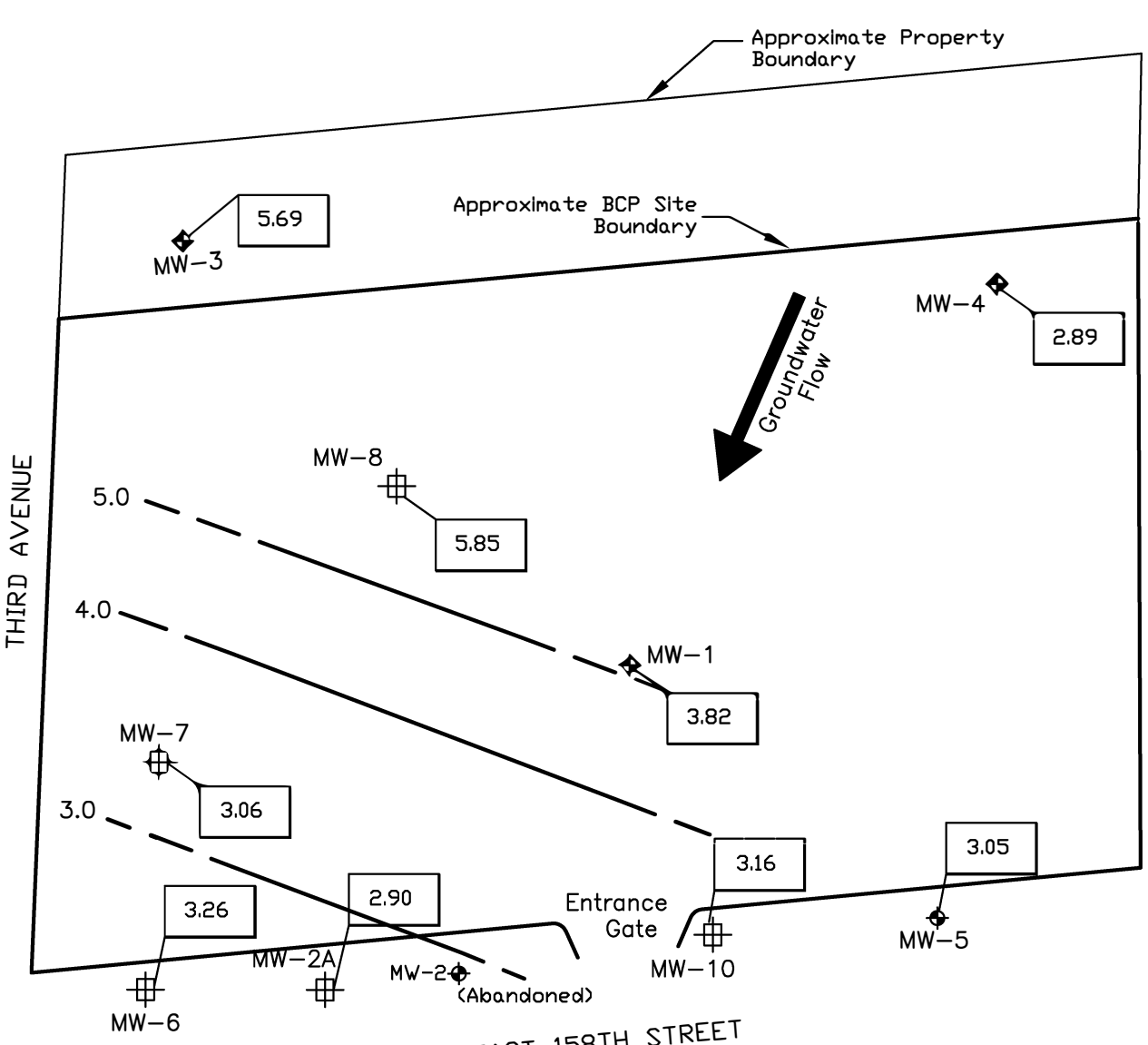
17 Dupont Street, Plainview, New York 11803

Stephen J. Osmundsen, P.E.
Consulting Engineer
TITLE: 514 Pantigo Road # 16, East Hampton New York 11937

As-Built Pump & Treat System Layout and Detail

DATE: 10/28/10
SCALE: AS SHOWN
FIGURE: 5
DRAWING NO: 2009-50A
CORNERSTONE B1
3100 THIRD AVENUE
THE BRONX, NEW YORK
DRAWN BY: J.T.C.
APPR. BY: S.J.O.



N

LEGEND

Monitoring Well (Screen Straddles Overburden/Bedrock Interface)

Bedrock Well

Water Table Elevation (In Feet)

Well No.	Elevation Top of Casing (In Feet)	Depth to Water (In Feet)	Elevation of Water Table (In Feet)
1	31.14	27.32	3.82
2A	29.10	26.20	2.90
3	27.02	21.33	5.69
4	29.71	26.82	2.89
5	30.28	27.23	3.05
6	28.76	25.50	3.26
7	19.25	16.19	3.06
8	20.86	15.01	5.85
10	29.96	26.80	3.16

Graphic Scale In Feet

0 10 20 30 40 50 60

Notes:
1) MW-1, MW-3, MW-4, MW-5, and MW-6 were not used for contouring purposes.
2) Based on survey by Montrose surveying CO. LLP., 11/08/2007.
Datum: Borough of Bronx Topographical Bureau

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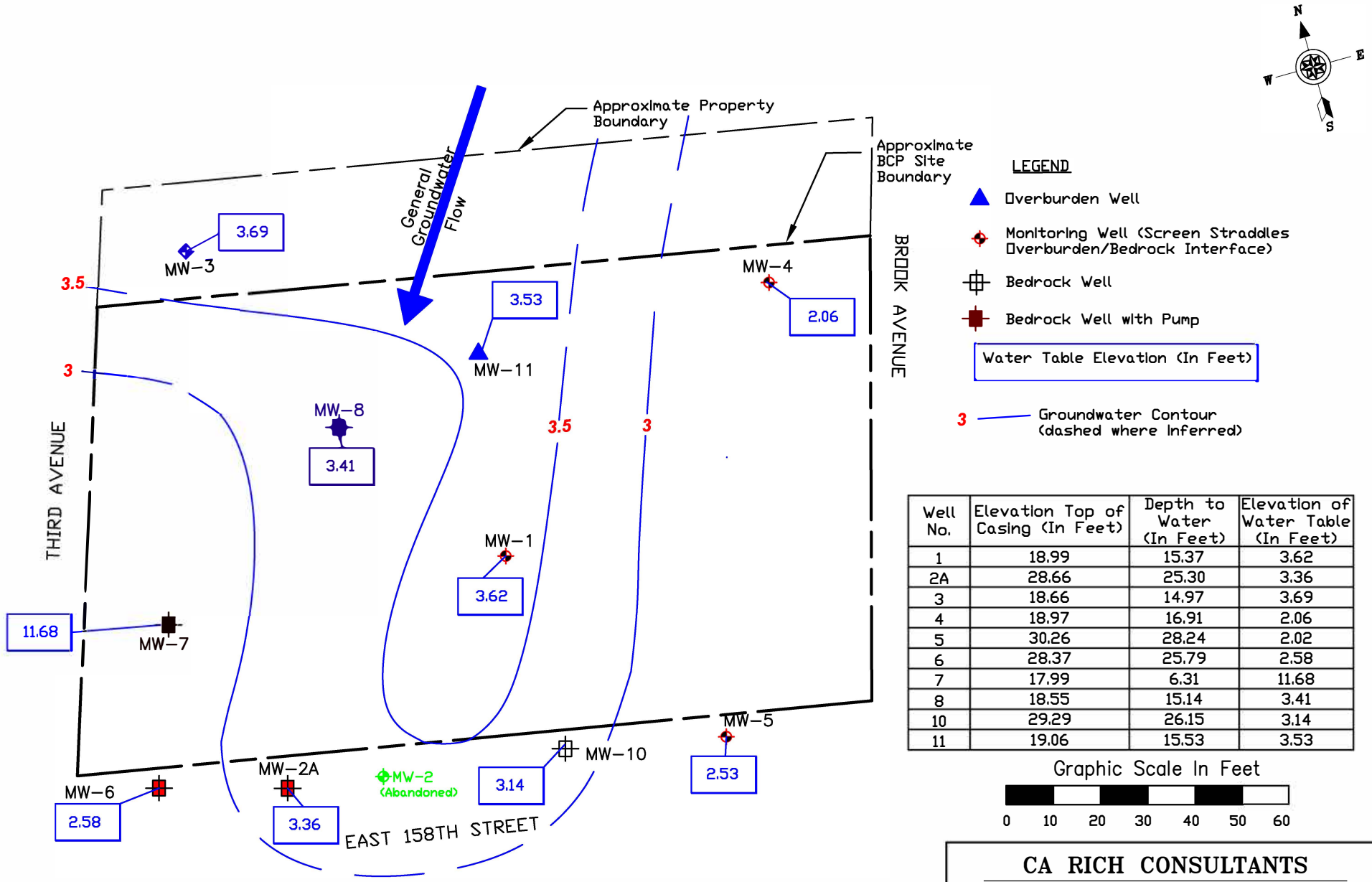
Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE: Groundwater Elevation and Contour Map -August 13, 2009		DATE: 8/20/09
		SCALE: As Shown
FIGURE: 6	CORNERSTONE B1 3100 THIRD AVENUE THE BRONX, NEW YORK	DRAWN BY: J.T.C.
DRAWING NO: 2007-121-B		APPR. BY: D.S.



Well No.	Elevation Top of Casing (In Feet)	Depth to Water (In Feet)	Elevation of Water Table (In Feet)
1	18.99	15.37	3.62
2A	28.66	25.30	3.36
3	18.66	14.97	3.69
4	18.97	16.91	2.06
5	30.26	28.24	2.02
6	28.37	25.79	2.58
7	17.99	6.31	11.68
8	18.55	15.14	3.41
10	29.29	26.15	3.14
11	19.06	15.53	3.53

Notes:
1) Based on survey by Montrose Surveying Co. LLP., 4/27/2010.
Datum: Borough of Bronx Topographical Bureau
2) Depth to water readings collected while system was not operating

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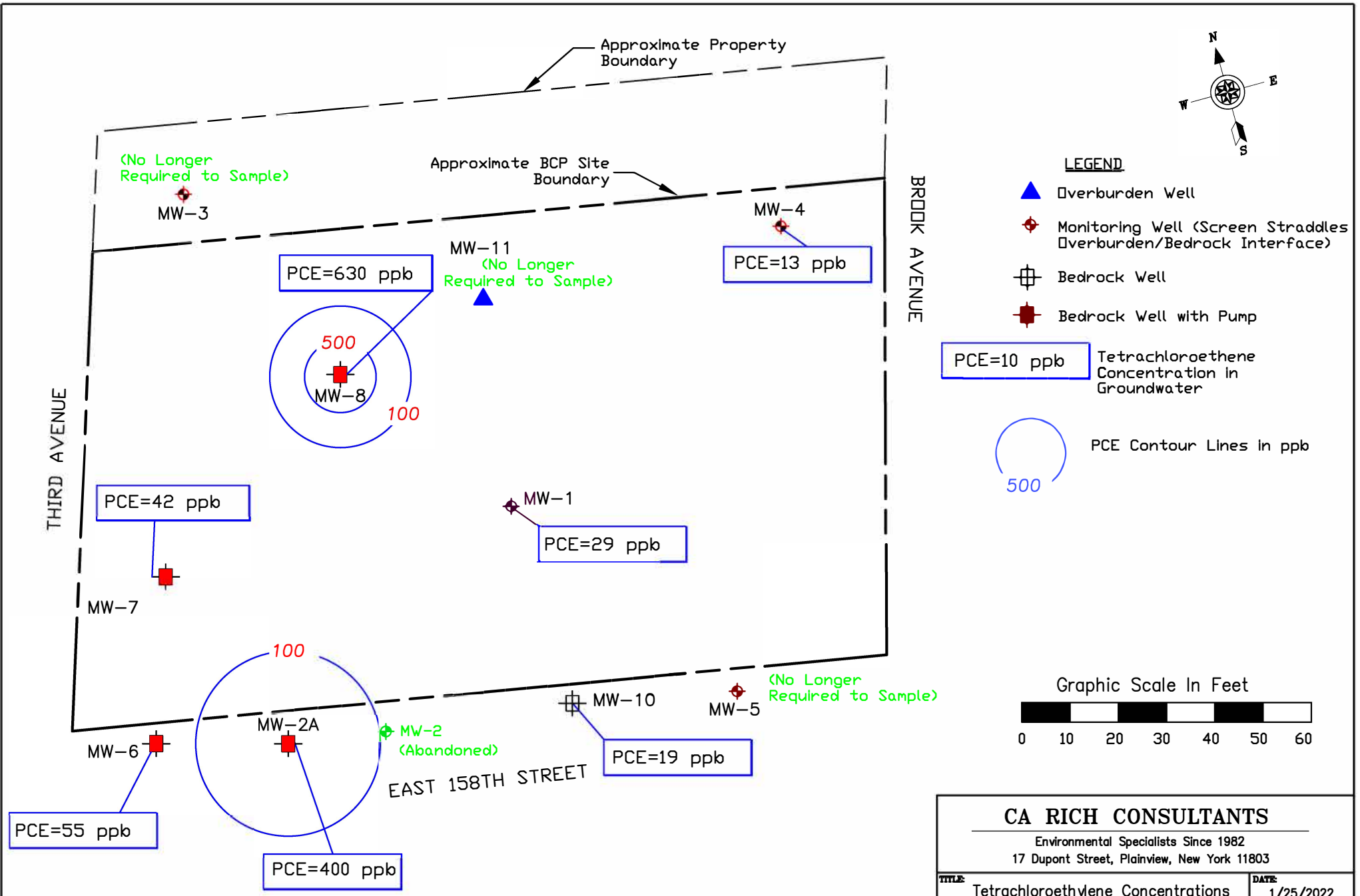
TITLE: Second Half 2021 Groundwater Contour Map December 14, 2021		DATE: 1/26/2022
		SCALE: As Shown
FIGURE: 7	CORNERSTONE B1 3100 THIRD AVENUE THE BRONX, NEW YORK	DRAWN BY: T.R.B.
DRAWING NO: 2007-121-C31		APPR. BY: J.T.C.



Notes:
1) Based on survey by Montrose Surveying Co. LLP., 4/27/2010.
Datum: Borough of Bronx Topographical Bureau

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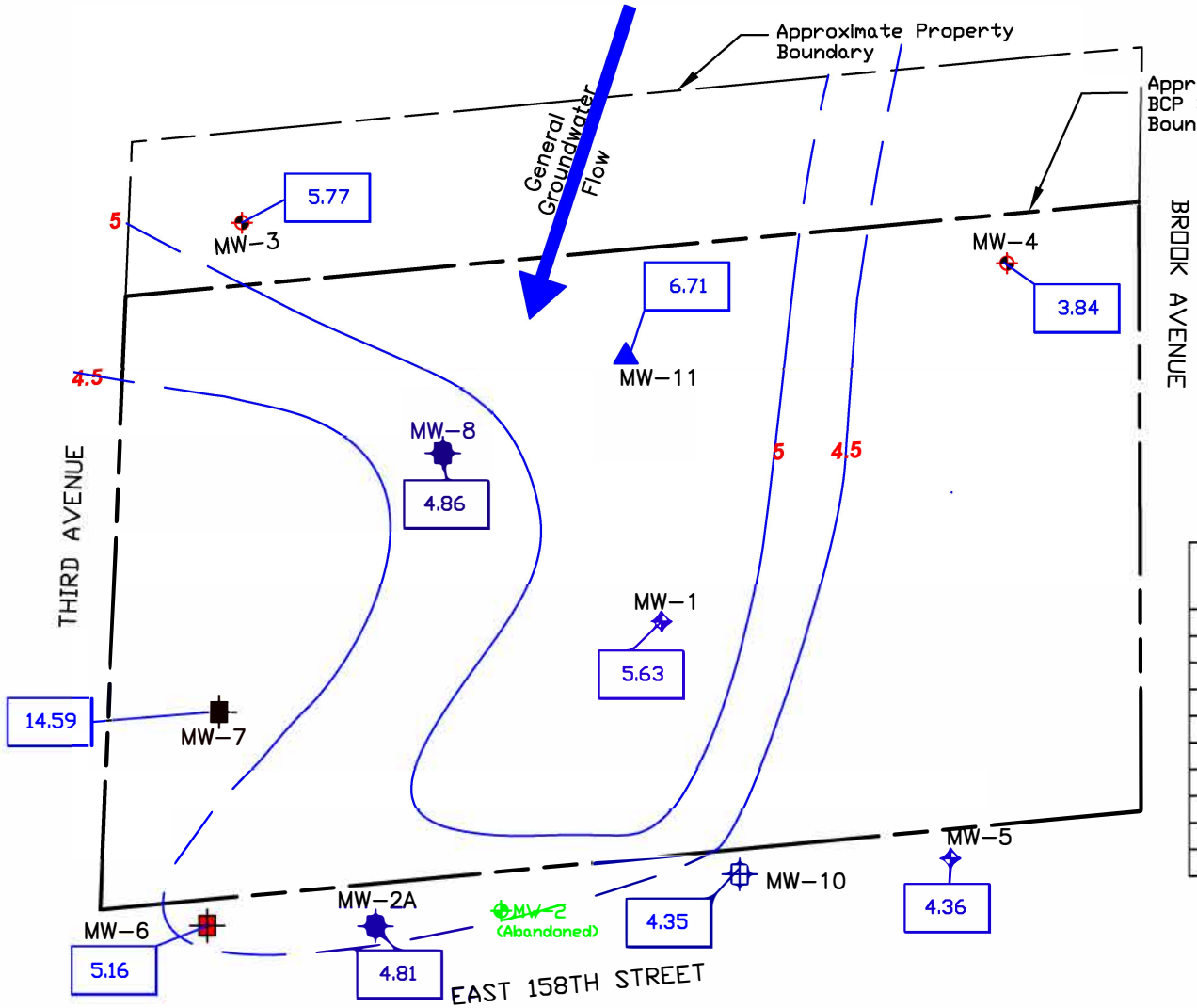
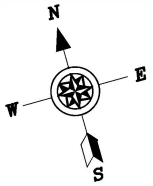
Environmental Specialists Since 1982
17 Dupont Street, Plainview, New York 11803

TITLE: Tetrachloroethylene Concentrations in Groundwater December 14, 2021	DATE: 1/25/2022
	SCALE: As Shown
FIGURE: 8	DRAWN BY: T.R.B.
DRAWING NO: 2007-121-D30	CORNERSTONE B1 3100 THIRD AVENUE THE BRONX, NEW YORK
	APPR. BY: J.T.C.





LEGEND

- Overburden Well
- Monitoring Well (Screen Straddles Overburden/Bedrock Interface)
- Bedrock Well
- Bedrock Well with Pump
- Water Table Elevation (In Feet)
- 5 — Groundwater Contour (dashed where inferred)

Well No.	Elevation Top of Casing (In Feet)	Depth to Water (In Feet)	Elevation of Water Table (In Feet)
1	18.99	13.36	5.63
2A	28.66	23.85	4.81
3	18.66	12.89	5.77
4	18.97	15.13	3.84
5	30.26	25.90	4.36
6	28.37	23.21	5.16
7	17.99	3.40	14.59
8	18.55	13.69	4.86
10	29.29	24.94	4.35
11	19.06	12.35	6.71

Graphic Scale In Feet

0 10 20 30 40 50 60

Notes:

1) Based on survey by Montrose Surveying Co. LLP., 4/27/2010. Datum: Borough of Bronx Topographical Bureau
2) Depth to water readings collected while system was not operating
3) MW-7 not used to generate Contour Map

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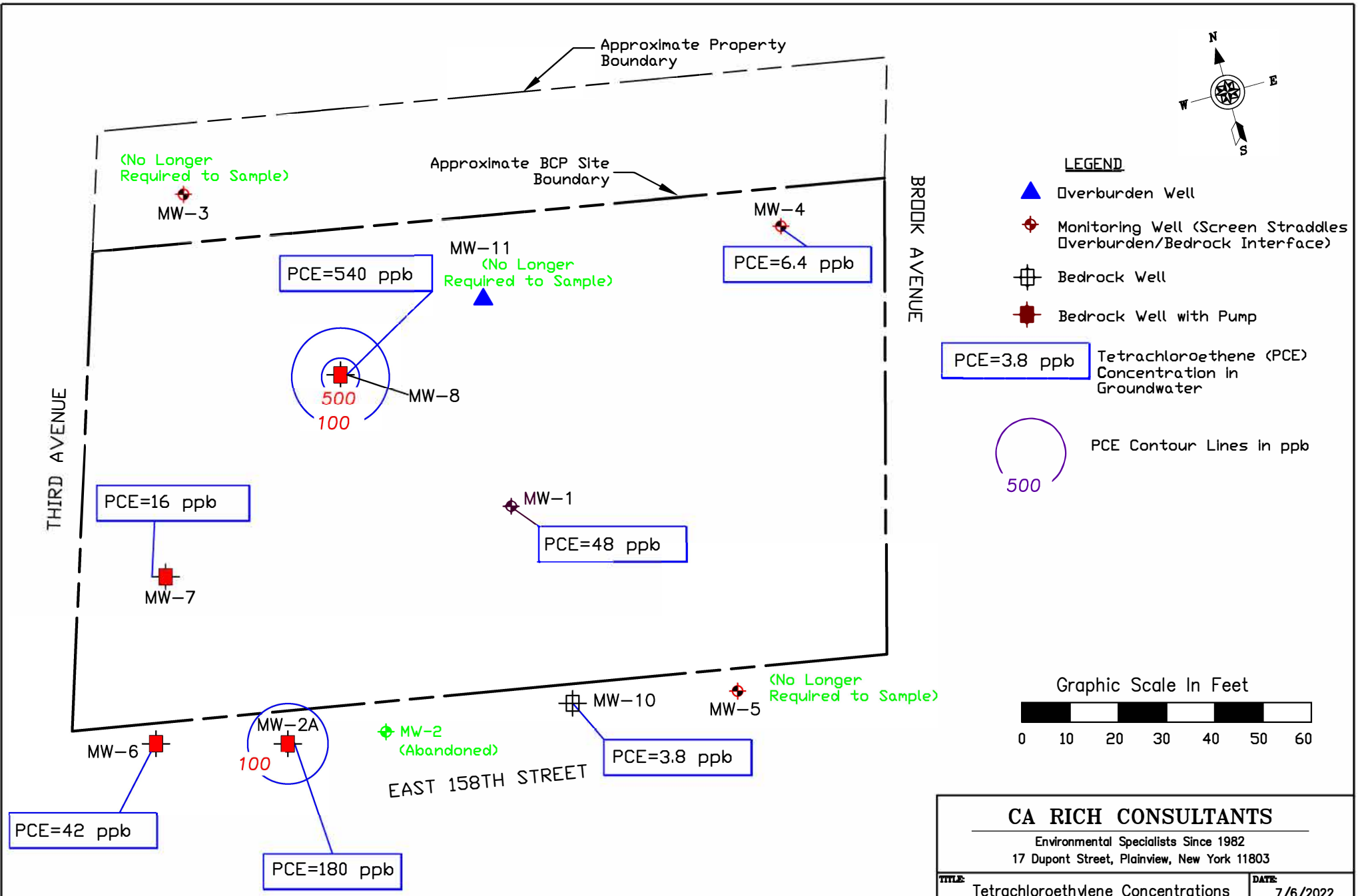
TITLE: First Half 2022 Groundwater Contour Map June 14, 2022		DATE: 7/6/2022
		SCALE: As Shown
FIGURE: 9	CORNERSTONE B1 3100 THIRD AVENUE THE BRONX, NEW YORK	DRAWN BY: T.R.B.
DRAWING NO: 2007-121-C32		APPR. BY: J.T.C.



Notes:
1) Based on survey by Montrose Surveying Co. LLP., 4/27/2010.
Datum: Borough of Bronx Topographical Bureau

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17 Dupont Street, Plainview, New York 11803

TITLE: Tetrachloroethylene Concentrations in Groundwater June 14, 2022	DATE: 7/6/2022
	SCALE: As Shown
FIGURE: 10	DRAWN BY: T.R.B.
DRAWING NO: 2007-121-D32	APPR. BY: J.T.C.

CORNERSTONE B1
3100 THIRD AVENUE
THE BRONX, NEW YORK

TABLES

Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		4th Q 2011		1st Q 2012		2nd Q 2012		3rd Q 2012		4th Q 2012		1st Q 2013		2nd Q 2013		3rd Q 2013		4th Q 2013		1st Q 2014		2nd Q 2014		TOGS*
Date Sampled	12/29/2009		5/26/2010		8/25/2010		11/22/2010		3/15/2011		6/8/2011		9/28/2011		12/14/2011		3/14/2012		6/19/2012		10/22/2012		12/6/2012		3/28/2013		6/13/2013		9/30/2013		1/13/2014		3/27/2014		6/23/2014		
Days since system start up	-114	Q	34	Q	125	Q	214	Q	327	Q	412	Q	524	Q	601	Q	692	Q	789	Q	914	Q	959	Q	1071	Q	1148	Q	1257	Q	1362	Q	1435	Q	1523	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	9.0	J	ND		ND		ND		ND		ND		ND		ND		ND		ND	R	ND		ND		ND	R	ND	R	6.0	J	ND	R	ND	R	50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
2-Butanone (MEK)	ND	UJ	ND		ND	R	ND	UJ	ND	R	ND	R	ND	R	ND		ND		ND	R	ND	R	ND	R	ND	R	ND	R	ND	R	ND	R	ND	R	ND	R	NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	**7.4**		2.4		2.4		2.4		1.4		0.38	J	1.3		0.94	J	0.67	J	0.60	J	0.42	J	0.33	J	ND		ND		0.35	J	ND		ND		0.34	J	7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.74	J	ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		14.3		ND		ND		ND		ND		ND		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**22.4**		**16.6**		**24.2**		**48.8**		**28.1**		**13.8**		**13.9**		**29.6**		**30.4**		**42.5**		**36.0**		**69.1**		**44.5**		**38.3**		**34.3**		**31.1**		**35.0**		**28.0**		5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.65	J	**5.7**		0.88	J	0.71	J	ND		ND		ND		5
Trichlorofluoromethane	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:
Date of System Start-up: 4/22/2010
ug/L - micrograms per liter or parts per billion
ND - Not detected
NVG - No Value Given
J - Indicates an estimated value
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

Table 1 (MW-1 cont.)

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		NYSDEC
Comments	3rd Q 2014		4th Q 2014		1st Q 2015		2nd Q 2015		2nd Half 2015		1st Half 2016		2nd Half 2016		1st Half 2017		2nd Half 2017		1st Half 2018		2nd Half 2018		1st Half 2019		2nd Half 2019		1st Half 2020		2nd Half 2020		1st Half 2021		2nd Half 2021		1st Half 2022		TOGS*
Date Sampled	9/19/2014		12/10/2014		4/1/2015		6/2/2015		12/10/2015		6/3/2016		12/16/2016		6/13/2017		12/1/2017		6/15/2018		12/27/2018		6/7/2019		12/4/2019		6/3/2020		12/21/2020		6/2/2021		12/14/2021		6/14/2022		
Days since system start up	1611	Q	1693	Q	1805	Q	1867	Q	2058	Q	2234	Q	2430	Q	2609	Q	2780	Q	2976	Q	3171	Q	3333	Q	3513	Q	3695	Q	3896	Q	4059	Q	4254	Q	4436	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND	R	ND		ND	R	ND	R	ND	UJ	ND	R	ND		ND	UJ	ND		ND		ND		ND		ND		4.4	J	ND		ND		ND		50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND	R	ND	R	ND	R	ND	R	ND	UJ	ND	R	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	0.29	J	ND		0.42	J	ND		ND		ND		ND		0.74	J	0.41	J	ND		1.4		ND		2.2	J	ND		ND		ND		ND		ND		7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1.3	J	ND		ND		ND		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**24.0**		**29.5**		**18.4**		**13.2**		**11.8**		**20.8**		**20.4**		**12.3**		**13.3**		**15.6**		**13.1**		**11**		**120**		**50**		**50**		**28**		**29**		**48**		5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.52		ND		0.27		0.21	J	5
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:
Date of System Start-up:
ug/L - micrograms per liter or parts per billion
ND - Not detected
NVG - No Value Given
J - Indicates an estimated value

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1)*
Ambient water Quality Standards and Guidance Values
and Groundwater Effluent Limitations June 1998

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

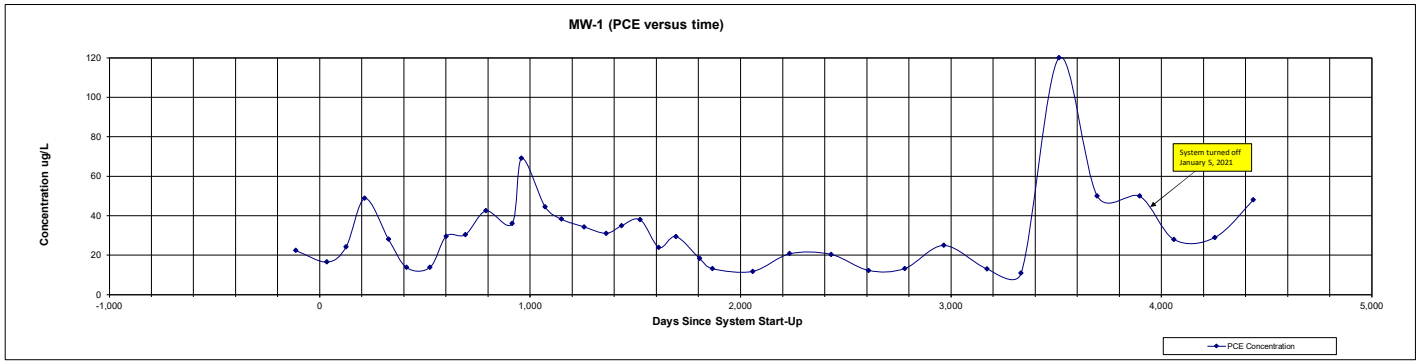


Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		4th Q 2011		1st Q 2012		2nd Q 2012		3rd Q 2012		4th Q 2012		1st Q 2013		2nd Q 2013		3rd Q 2013		4th Q 2013		1st Q 2014		2nd Q 2014		TOGS*
Date Sampled	12/30/2009		5/27/2010		8/25/2010		11/22/2010		3/15/2011		6/8/2011		9/28/2011		12/14/2011		3/14/2012		6/19/2012		10/22/2012		12/6/2012		3/28/2013		6/13/2013		9/30/2013		1/13/2014		3/27/2014		6/23/2014		
Days since system start up	-113	Q	35	Q	125	Q	214	Q	327	Q	412	Q	524	Q	601	Q	692	Q	789	Q	914	Q	959	Q	41361	Q	41438	Q	41547	Q	41652	Q	41725	Q	41813	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND		ND		ND		ND		ND		9.4	J	ND		ND		ND	R	ND	UJ	ND		ND		ND	R	ND	R	ND		ND	R	ND	R	50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND		ND	R	ND	UJ	ND	R	ND	R	ND	R	ND		ND		ND	R	ND	R	ND	R	ND	R	ND	R	ND	R	ND		ND		ND	R	NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chloroform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND	UJ	ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	ND		1.5	J	ND		1.2		3.1	J	0.88	J	1.3		1.5		1.6		1.9		1.4	J	1.5		1.5		0.57	J	1.1		2.0		ND		1.8		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**28,700**		**4,030**		**5,970**	a	**372**	a	**3,390**		**354**	a	**647**	J	**169**		**112**		**215**	a	**1,150**	ab	**74.6**		**131**		**138**		**137**		**518**	D	**1,200**	D	**490**	D	5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	ND		**5.1**		**10.1**		1.6		**8.0 J**		1.4		2		1.5		1.4		2.0		2.7	UJ	1.5		1.6		0.84	J	1.0		3.3		**10.9**		3.1		5
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND		1.7	J	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		1.7	J	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5

Notes:

Date of System Start-up: 4/22/2010

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

J - Indicates an estimated value

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

D - Result from diluted analysis

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

a - results are from run #2

b - Storage temperature exceeded 6 degrees celsius due to power outage from tropical cyclone on October 29 and 30, 2012

Table 1 (MW-2A cont.)

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		MW-2A		NYSDEC
Comments	3rd Q 2014		4th Q 2014		1st Q 2015		2nd Q 2015		2nd Half 2015		1st Half 2016		2nd Half 2016		1st Half 2017		2nd Half 2017		1st Half 2018		2nd Half 2018		1st Half 2019		2nd Half 2019		1st Half 2020		2nd Half 2020		1st Half 2021		2nd Half 2021		1st Half 2022		TOGS*
Date Sampled	9/19/2014		12/10/2014		4/1/2015		6/2/2015		12/10/2015		6/3/2016		12/16/2016		6/13/2017		12/1/2017		6/15/2018		12/27/2018		6/7/2019		12/4/2019		6/3/2020		12/21/2020		6/2/2021		12/14/2021		6/14/2022		
Days since system start up	1611	Q	1693	Q	1805	Q	1867	Q	2058	Q	2234	Q	2430	Q	2609	Q	2780	Q	2976	Q	3171	Q	3333	Q	3513	Q	3695	Q	3896	Q	4059	Q	4254	Q	4436	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L				ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND	R	ND		ND	R	ND	R	ND	UJ	ND	UJ	ND		ND	UJ	ND		ND				ND		ND		10	J	ND		ND		ND		50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND		ND	UJ	ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND	UJ	ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND	R	ND	R	ND	R	ND	R	ND	UJ	ND	UJ	ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND				ND	UJ	ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Chloroethane	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Chloroform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				1.4	J	ND		ND		ND		0.37		ND		7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND				ND		ND		ND		ND		ND		ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	1.9		2.0		2.1		1.6		2.1		**73.2**		0.69	J	2.0		0.80	J	ND		ND				ND		ND		ND		ND		3.6		ND		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		1.6		ND		ND		ND		ND		ND				ND		ND		ND		ND		0.69		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND	UJ	ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND		ND	UJ	ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		0.43	J	ND		ND		ND				ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**155**		**131**		**175**		**137**		**158**		**398**	D	**78.2**		**1,980**	D	**66.9**		**719**	D	**239**				**120**		**170**		**850**	J	**640**		**400**		**180**		5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND		ND	UJ	ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND	UJ	ND		ND	UJ	ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND				ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		1
Trichloroethene	2.7		2.2		3.1		2.3		3.0		**22.5**		0.88	J	ND		ND		4.5		1.7				0.6		0.54	J	4.3		ND		4.9		1.3		5
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND				ND		ND		ND		ND		ND		ND		5

Well not sampled as sampling pump got stuck. No water available above pump for sampling.

Notes:
Date of System Start-up:
ug/L - micrograms per liter or parts per billion
ND - Not detected
NVG - No Value Given
J - Indicates an estimated value detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate
Bold and boxed indicates value exceeds TOGS

*NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998
D - Result from diluted analysis
R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.
a - results are from run #2

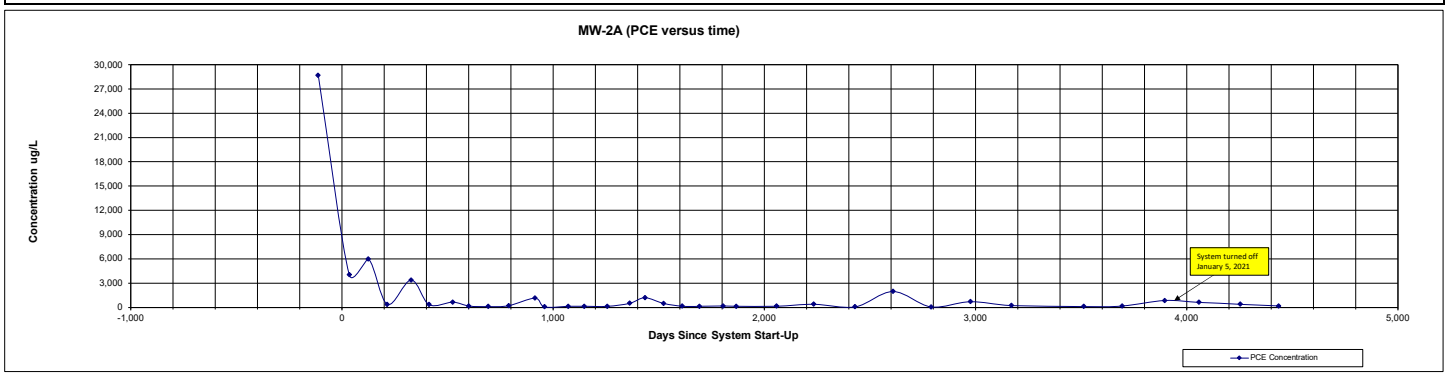


Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-3		MW-3		MW-3		MW-3		MW-3		MW-3		MW-3		MW-3		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		NA		TOGS*
Date Sampled	12/29/2009		5/26/2010		8/25/2010		11/22/2010		3/15/2011		6/8/2011		9/28/2011		NA		
Days since system start up	-114	Q	34	Q	125	Q	214	Q	327	Q	412	Q	524	Q	NA	Q	
Volatile Organic Compounds																	
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND		ND		ND		ND		ND		ND		NS		50
Benzene	ND		ND		ND		ND		ND		ND		ND		NS		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		NS		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		NS		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		NS		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		NS		5
2-Butanone (MEK)	ND	UJ	ND		ND	R	ND	UJ	ND	R	ND	R	ND	R	NS		NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		NS		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		NS		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
Chloroethane	ND		ND		ND		ND		ND		ND		ND		NS		5
Chloroform	2.6		3.7		2.8		1.6		0.46 J		0.46	J	0.53	J	NS		7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		NS		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		NS		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		NS		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		NS		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		NS		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		NS		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		NS		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		NS		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		NS		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND		ND		NS		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		NS		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		NS		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		NS		5
cis-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		NS		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		NS		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		NS		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		NS		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		NS		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		NS		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		NS		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		NS		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		NS		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		NS		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		NS		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		NS		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		NS		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		NS		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		NS		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
Styrene	ND		ND		ND		ND		ND		ND		ND		NS		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		NS		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		NS		5
Tetrachloroethene	**101**		4.1		**5.1**		3.6		0.73	J	0.64	J	0.52	J	NS		5
Toluene	ND		ND		ND		ND		ND		ND		ND		NS		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		NS		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		NS		1
Trichloroethene	ND		ND		ND		ND		ND		ND		ND		NS		5
Trichlorofluoromethane	ND	UJ	ND		ND		ND		ND		ND		ND		NS		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		NS		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		NS		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		NS		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		NS		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		NS		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		NS		5

Notes:

Date of System Start-up: *4/22/2010*

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

NS- No Sampling Required as of 4th Q 2011

NA - Not Applicable

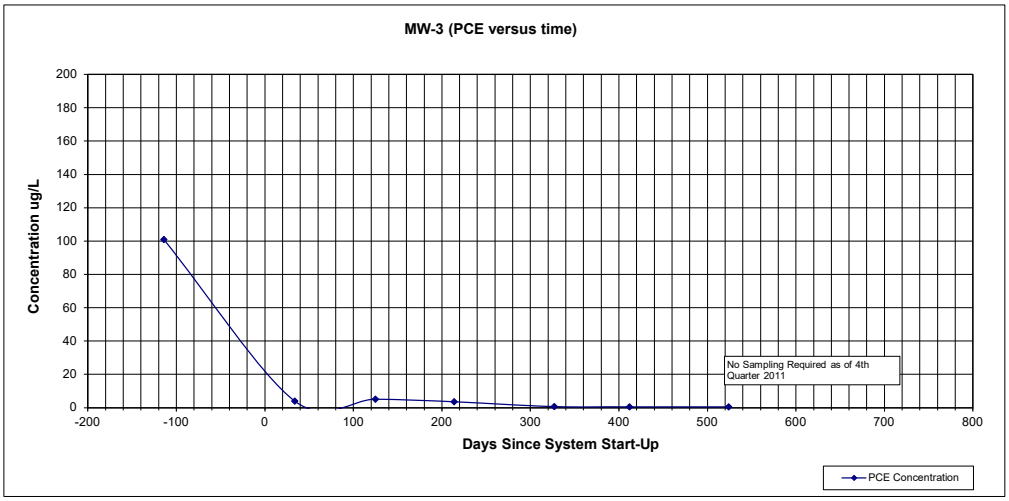


Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		4th Q 2011		1st Q 2012		2nd Q 2012		3rd Q 2012		4th Q 2012		1st Q 2013		2nd Q 2013		3rd Q 2013		4th Q 2013		1st Q 2014		2nd Q 2014		TOGS*
Date Sampled	12/29/2009		5/26/2010		8/26/2010		11/22/2010		3/15/2011		6/8/2011		9/28/2011		12/14/2011		3/14/2012		6/19/2012		10/22/2012		12/6/2012		3/28/2013		6/13/2013		9/30/2013		1/13/2014		3/27/2014		6/23/2014		
Days since system start up	-114	Q	34	Q	126	Q	214	Q	327	Q	412	Q	524	Q	601	Q	692	Q	789	Q	914	Q	959	Q	1071	Q	1148	Q	1257	Q	1362	Q	1435	Q	1523	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	R	ND		ND		ND	R	ND	R	ND		ND	R	ND	R	50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**2.0**		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
2-Butanone (MEK)	ND	UJ	ND		ND	R	ND	UJ	ND	R	ND	R	ND	R	ND		ND		ND	R	ND	R	ND	R	ND	R	ND	R	ND	R	ND		ND		ND	R	NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	4.5		2.0		1.4		1.9		0.58 J		0.36	J	0.43	J	ND		ND		ND		0.29	J	0.26	J	0.24	J	ND		ND		ND		0.31	J	ND		7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**78.1**		**177**		**105**		**116**		**55.4**		**36.5**		**24.5**		**23.3**		**16.6**		**16.3**		**22.9**		**20.3**		**17.5**		**18.0**		**14.0**		**39.2**		**40.6**		**10.5**		5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Trichlorofluoromethane	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:

Date of System Start-up: 4/22/2010

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

Table 1 (MW-4 cont.)

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		MW-4		NYSDEC
Comments	3rd Q 2014		4th Q 2014		1st Q 2015		2nd Q 2015		2nd Half 2015		1st Half 2016		2nd Half 2016		1st Half 2017		2nd Half 2017		1st Half 2018		2nd Half 2018		1st Half 2019		2nd Half 2019		1st Half 2020		2nd Half 2020		1st Half 2021		2nd Half 2021		1st Halft 2022		TOGS*
Date Sampled	9/19/2014		12/10/2014		4/1/2015		6/2/2015		12/10/2015		6/3/2016		12/16/2016		6/13/2017		12/1/2017		6/15/2018		12/27/2018		6/7/2019		12/4/2019		6/3/2020		12/21/2020		6/2/2021		12/14/2021		6/14/2022		
Days since system start up	1611	Q	1693	Q	1805	Q	1867	Q	2058	Q	2234	Q	2430	Q	2609	Q	2780	Q	2976	Q	3171	Q	3333	Q	3513	Q	3695	Q	3896	Q	4059	Q	4254	Q	4436	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND	R	ND		ND	R	ND	R	ND	UJ	ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.96		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND	UJ	ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND	R	ND	R	ND	R	ND	R	ND	UJ	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	ND		ND		0.22	J	0.24	J	0.36	J	0.28	J	0.30	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		19		7
Chloromethane	ND		ND		ND		0.46	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**19.3**		**41.7**		**26.2**		**27.8**		**30.0**		**25.5**		**20.1**		**20.9**		**25.0**		**17.8**		**28.6**		**18**		**17**		**13**		**9**		**10**		**13**		**6.4**		5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.23 J		ND		ND		ND		ND		5
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:
Date of System Start-up:
ug/L - micrograms per liter or parts per billion
ND - Not detected
NVG - No Value Given
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is
Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*
R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

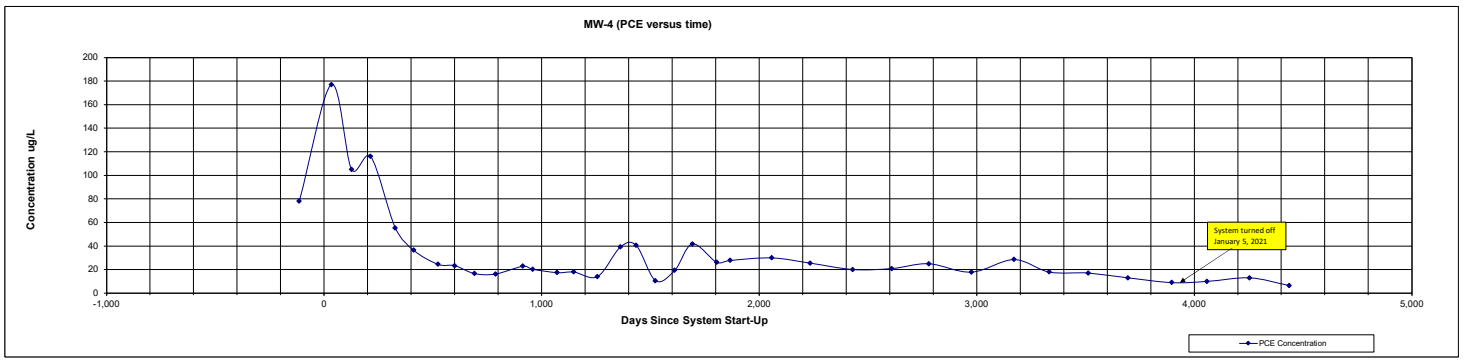


Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-5		MW-5		MW-5		MW-5		MW-5		MW-5		MW-5		MW-5		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		4th Q 2011		TOGS*
Date Sampled	12/29/2009		5/26/2010		8/25/2010		11/22/2010		3/15/2011		NA		NA		NA		
Days since system start up	-114	Q	34	Q	125	Q	214	Q	327	Q	NA		NA	Q	NA	Q	
Volatile Organic Compounds																	
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND	UJ	ND		ND		ND		ND		NS		NS		NS		50
Benzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		1
Bromobenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Bromochloromethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Bromodichloromethane	ND	UJ	ND		1.8		ND		ND		NS		NS		NS		50
Bromoform	ND	UJ	ND		ND		ND		ND		NS		NS		NS		50
Bromomethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
2-Butanone (MEK)	ND	UJ	ND		ND	R	ND	UJ	ND	R	NS		NS		NS		NVG
n-Butylbenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
sec-butylbenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
tert-butylbenene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Carbon Tetrachloride	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Chlorobenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Chloroethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Chloroform	**11.2**	J	1.8		**23.6**		**13.0**		5.8		NS		NS		NS		7
Chloromethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		NVG
o-Chlorotoluene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
p-Chlorotoluene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,2-Dibromo-3-Chloropropane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		0.04
Dibromochloromethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		50
1,2-Dibromoethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		NVG
1,2-Dichlorobenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		3
1,3-Dichlorobenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		3
1,4-Dichlorobenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		3
Dichlorodifluoromethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,1-Dichloroethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,2-Dichloroethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		0.6
1,1-Dichloroethene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
cis-1,2-Dichloroethene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
trans-1,2-Dichloroethene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,2-Dichloropropane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		1
1,3-Dichloropropene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		0.4
2,2-Dichloropropane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5.0
1,1-Dichloropropene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5.0
cis-1,3-Dichloropropene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		0.4
trans-1,3-Dichloropropene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		0.4
Ethyl Benzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Hexachlorobutadiene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		0.5
Isopropylbenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
p-Isopropylbenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Methyl tert-butyl Ether	ND	UJ	ND		ND		ND		ND		NS		NS		NS		10
4-Methyl-2-Pentanone	ND	UJ	ND		ND		ND		ND		NS		NS		NS		NVG
Methyl bromide	ND	UJ	ND		ND		ND		ND		NS		NS		NS		NVG
Methylene Chloride	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Naphthalene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		10
n-Propylbenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Styrene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,1,1,2-Tetrachloroethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,1,2,2-Tetrachloroethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Tetrachloroethene	**10.1**	J	3.7		0.71	J	1.1		4.7		NS		NS		NS		5
Toluene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,2,3-Trichlorobenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,2,4-Trichlorobenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,1,1-Trichloroethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,1,2-Trichloroethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		1
Trichloroethene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Trichlorofluoromethane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,2,3-Trichloropropane	ND	UJ	ND		ND		ND		ND		NS		NS		NS		0.04
1,2,4-Trimethylbenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
1,3,5-Trimethylbenzene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Vinyl Chloride	ND	UJ	ND		ND		ND		ND		NS		NS		NS		2
m,p-Xylene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
o-Xylene	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5
Xylene (total)	ND	UJ	ND		ND		ND		ND		NS		NS		NS		5

Notes:

Date of System Start-up: *4/22/2010*

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

J - Indicates an estimated value

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

NS- No Sampling Required as of 2nd Q 2011

NA - Not Applicable

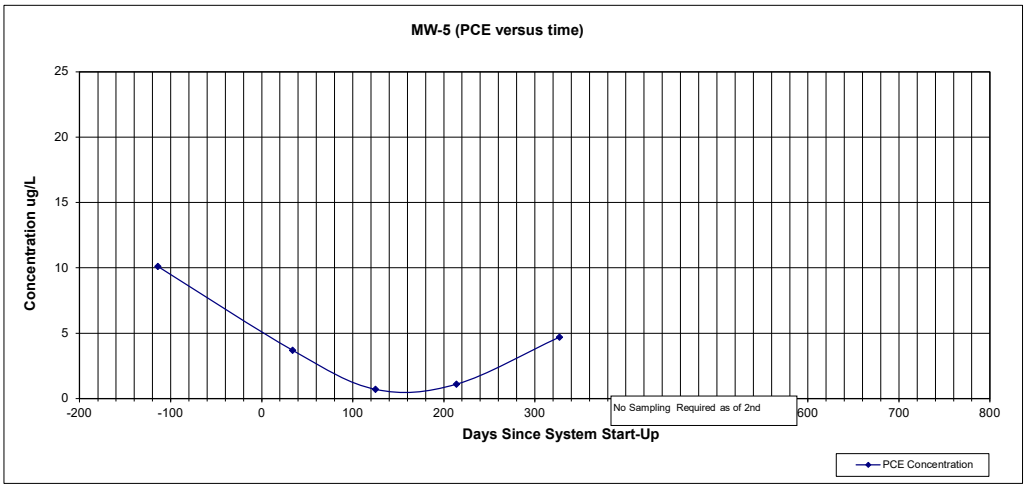


Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		4th Q 2011		1st Q 2012		2nd Q 2012		3rd Q 2012		4th Q 2012		1st Q 2013		2nd Q 2013		3rd Q 2013		4th Q 2013		1st Q 2014		2nd Q 2014		TOGS*
Date Sampled	12/30/2009		5/27/2010		8/26/2010		11/23/2010		3/15/2011		6/8/2011		9/28/2011		12/14/2011		3/14/2012		6/19/2012		10/22/2012		12/6/2012		3/28/2013		6/13/2013		9/30/2013		1/13/2014		3/27/2014		6/23/2014		
Days since system start up	-113	Q	35	Q	126	Q	215	Q	327	Q	412	Q	524	Q	601	Q	692	Q	789	Q	914	Q	959	Q	1071	Q	1148	Q	1257	Q	1362	Q	1435	Q	1523	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND	R	ND		ND		ND		ND	R	ND	R	ND		ND	R	ND	R	50
Benzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromomethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
2-Butanone (MEK)	ND	UJ	ND	UJ	ND	R	ND	UJ	ND	R	ND	R	ND	R	ND		ND		ND	R	ND	R	ND	R	ND	R	ND	R	ND	R	ND		ND		ND	R	NVG
n-Butylbenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND	UJ	1.1		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	1.0		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.41	J	ND		ND		7
Chloromethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.40	J	ND		ND		ND		NVG
o-Chlorotoluene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		5
1,1-Dichloroethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	0.87	J	0.96	J	ND		2.0		0.43	J	0.7	J	2		ND		ND		0.43	J	1.3		0.42	J	0.29	J	1.1		1.6		1.4		ND		0.48	J	5
trans-1,2-Dichloroethene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**320**		**481**	J	**199**		**201**	a	**139**		**76.5**		**135**		**14.9**		**11.1**		**11.5**		**18.2**		**36.3**		**10.8**		**68.8**		**34.3**		**405**	D	**138**		**126**		5
Toluene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	1.9		1.8	J	0.48	J	4.6		1.9		1.6		3.3		ND		ND		0.40	J	1.3		0.73	J	0.36	J	1.8		1.9		2.9		0.59	J	0.62	J	5
Trichlorofluoromethane	ND	UJ	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:

Date of System Start-up: 4/22/2010

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

J - Indicates an estimated value

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

D - Anaylte concentration is from diluted analysis.

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

a - results are from run #2

Table 1 (MW-6 cont.)

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		MW-6		NYSDEC
Comments	3rd Q 2014		4th Q 2014		1st Q 2015		2nd Q 2015		2nd Half 2015		1st Half 2016		2nd Half 2016		1st Half 2017		2nd Half 2017		1st Half 2018		2nd Half 2018		1st Half 2019		2nd Half 2019		1st Half 2020		2nd Half 2020		1st Half 2021		2nd Half 2021		1st Half 2022		TOGS*
Date Sampled	9/19/2014		12/10/2014		4/1/2015		6/2/2015		12/10/2015		6/3/2016		12/16/2016		6/13/2017		12/1/2017		6/15/2018		12/27/2018		6/7/2019		12/4/2019		6/3/2020		12/21/2020		6/2/2021		12/14/2021		6/14/2022		
Days since system start up	1611	Q	1693	Q	1805	Q	1867	Q	2058	Q	2234	Q	2430	Q	2609	Q	2780	Q	2976	Q	3171	Q	3333	Q	3513	Q	3695	Q	3896	Q	4059	Q	4254	Q	4436	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND	R	ND		ND	R	ND	R	ND	UJ	ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND	IJ	ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND	R	ND	R	ND	R	ND	R	ND	UJ	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	ND		ND		0.47	J	0.23	J	0.19	J	0.25	J	ND		ND		ND		ND		ND		ND		ND		ND		0.89	J	ND		ND		0.87	J	7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	0.53	J	0.70	J	0.57	J	ND		1.1		0.71	J	1.8		ND		ND		ND		ND		ND		0.72	J	ND		ND		0.38	J	ND		ND		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		0.5	J	ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND	UJ	ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**79.0**		**288**	D	**132**		**136**		**172**		**131**		**129**		**72.3**		**12.4**		**53.7**		**79.5**		**31**		**47**		**24**		**47**		**74**		**55**		**42**		5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	0.77	J	1.5		0.93	J	**13.5**		1.2		0.89	J	3.9		1.3		0.46	J	ND		1.4		1		1.7		0.41	J	0.71		ND		0.86	J	0.60		5
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:
Date of System Start-up:
ug/L - micrograms per liter or parts per billion
ND - Not detected
NVG - No Value Given
J - Indicates an estimated value
quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*
D - Anaylte concentration is from diluted analysis.

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

a - results are from run #2

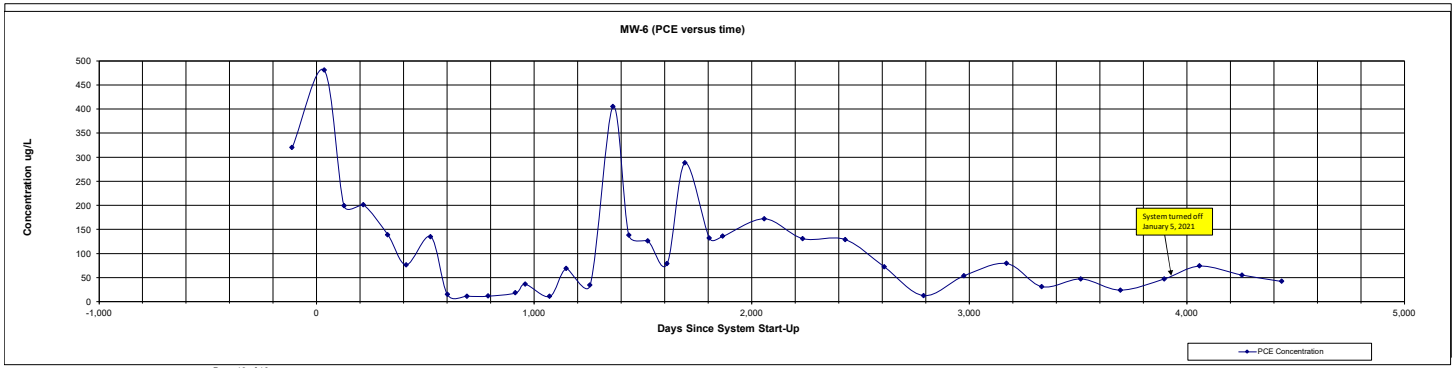


Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		4th Q 2011		1st Q 2012		2nd Q 2012		3rd Q 2012		4th Q 2012		1st Q 2013		2nd Q 2013		3rd Q 2013		4th Q 2013		1st Q 2014		2nd Q 2014		TOGS*
Date Sampled	12/29/2009		5/27/2010		8/26/2010		11/23/2010		3/15/2011		6/8/2011		9/28/2011		12/14/2011		3/14/2012		6/19/2012		10/22/2012		12/6/2012		3/28/2013		6/13/2013		9/30/2013		1/13/2014		3/27/2014		6/23/2014		
Days since system start up	-114	Q	35	Q	126	Q	215	Q	327	Q	412	Q	524	Q	601	Q	692	Q	789	Q	914	Q	959	Q	1071	Q	1148	Q	1257	Q	1362	Q	1435	Q	1523	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND	R	ND		ND		ND	R	5.1	J	ND		ND	R	ND	R	50
Benzene	**2.0**	J	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		0.29	J	**1.6**	J	ND		ND		ND		ND		1
Bromobenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromomethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
2-Butanone (MEK)	ND	UJ	ND		ND	R	ND	UJ	ND	R	ND	R	ND	R	ND		ND		ND	R	ND	R	ND	R	ND	R	ND	R	ND	R	ND		ND		ND	R	NVG
n-Butylbenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chlorobenzene	ND	UJ	0.88	J	ND		ND	UJ	ND		0.77	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	1.2	J	ND		ND		ND	UJ	ND		0.44	J	0.22	J	1.1		0.97	J	ND		ND		ND		0.42	J	ND		ND		ND		ND		ND		7
Chloromethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
o-Chlorotoluene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		5
1,1-Dichloroethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	ND	UJ	ND		ND		ND	UJ	ND		1.1		1.6		1.2		0.99	J	ND		ND		ND		0.80	J	1.0	J	ND		1.0		ND		0.92	J	5
trans-1,2-Dichloroethene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**11.6**		5
Hexachlorobutadiene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND	UJ	ND		ND		ND	UJ	ND		ND		0.27	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		2.5	J	ND		ND		ND		ND		ND		10
n-Propylbenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**1,670**	J	**592**		**2,630**	a	**1,780**	b J	**688**		**1,370**	a	**216**		**575**		**894**	b	**15.2**		**102**		**218**		**383**	a	**727**		**58.1**		**690**	D	**677**		**314**	D	5
Toluene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	4.3 J	J	0.73	J	3.5	J	**11.7**	J	3.6		**7.9**		2.9		**5.9**		**8.2**		ND		0.39	J	0.83	J	**7.3**		**8.2**	J	ND		4.2		4.0	J	**5.7**		5
Trichlorofluoromethane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		4.4		5
1,3,5-Trimethylbenzene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		0.46	J	ND		ND		ND		ND		ND		ND		1.5	J	5
Vinyl Chloride	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**55.8**		5
o-Xylene	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**22.0**		5
Xylene (total)	ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		**77.9**		5

Notes:

Date of System Start-up: 4/22/2010

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

J - Indicates an estimated value

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

D - Results from dilued analysis

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

a - results are from run #2

b - results are from run #2

Table 1 (MW-7 cont.)

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		MW-7		NYSDEC
Comments	3rd Q 2014		4th Q 2014		1st Q 2015		2nd Q 2015		2nd Half 2015		1st Half 2016		2nd Half 2016		1st Half 2017		2nd Half 2017		1st Half 2018		2nd Half 2018		1st Half 2019		2nd Half 2019		1st Half 2020		2nd Half 2020		1st Half 2021		2nd Half 2021		1st Half 2022		TOGS*
Date Sampled	9/19/2014		12/10/2014		4/1/2015		6/2/2015		12/10/2015		6/3/2016		12/16/2016		6/13/2017		12/1/2017		6/15/2018		12/27/2018		6/7/2019		12/4/2019		6/3/2020		12/21/2020		6/2/2021		12/14/2021		6/14/2022		
Days since system start up	1611	Q	1693	Q	1805	Q	1867	Q	2058	Q	2234	Q	2430	Q	2609	Q	2780	Q	2976	Q	3171	Q	3333	Q	3513	Q	3695	Q	3896	Q	4059	Q	4254	Q	4436	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND	R	ND		ND	R	ND	R	ND	UJ	ND	UJ	ND		ND	UJ	ND		ND		8.5	J	ND		300		230		11		3.2	JS	370		50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND	UJ	ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND	R	ND	R	ND	R	ND	R	ND	UJ	ND	UJ	ND		ND		ND		ND		ND		ND		5	J	6.3	J	ND		ND		7.2	J	NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	2.9		ND		ND		0.73	J	ND		1.4		1.8	J	ND		1.2		ND		0.84	J	ND		ND		7.3		2.7	J	ND		0.27	J	4.9		7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	1.6	J	1.7	J	ND		2		**5.0**	J	1.7		ND		ND		1.0		ND		ND		ND		ND		ND		ND		**190**		**20**		2.8	J	5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND	UJ	ND		ND		ND		ND		0.4
Ethyl Benzene	1.2	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2.3	J	5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**984**	D	**1,180**	D	**109**		**1,390**	D	**1,500**		**662**	D	**560**		**522**		**799**	D	**364**	D	**163**		**690**		**380**		**97**		**280**		**440**		**42**		**16**		5
Toluene	ND		1.3	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2.3	J	5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	**8.9**		**12.7**		2.7		**13.5**		**13.1**		**11.8**		**7.2**		1.3		**10.7**		**5.4**		1.5		**6.2**		3		1.2		**15**		**25**		2.6		0.48	J	5
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		1.0	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		2
m,p-Xylene	2.9		3.9	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	2.1	J	1.4	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	5.0		5.3		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:
Date of System Start-up:
ug/L - micrograms per liter or parts per billion
ND - Not detected
NVG - No Value Given
J - Indicates an estimated value
quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*
D - Results from diluted analysis

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

a - results are from run #2
b - results are from run #2

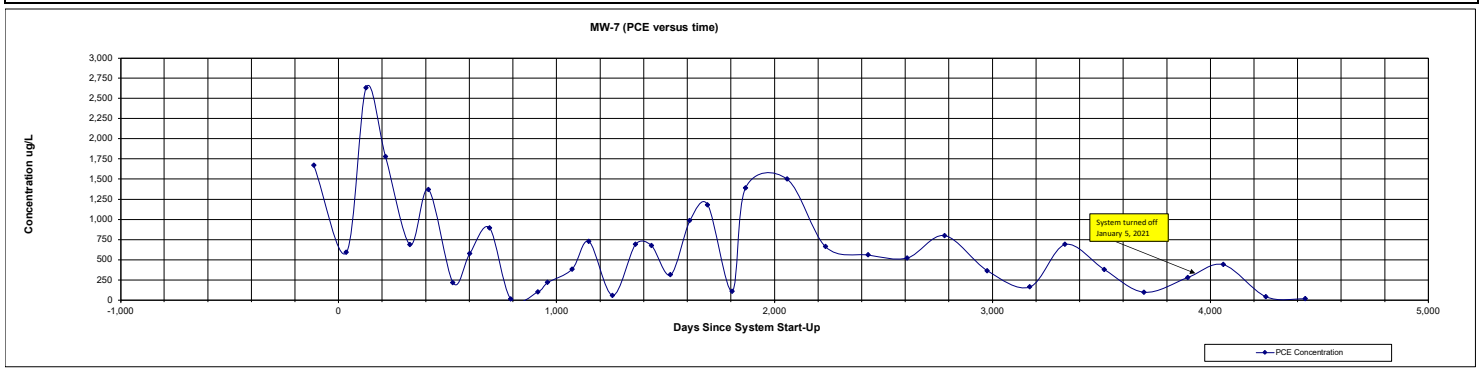


Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		4th Q 2011		1st Q 2012		2nd Q 2012		3rd Q 2012		4th Q 2012		1st Q 2013		2nd Q 2013		3rd Q 2013		4th Q 2013		1st Q 2014		2nd Q 2014		TOGS*
Date Sampled	12/30/2009		5/27/2010		8/25/2010		11/23/2010		3/15/2011		6/8/2011		9/28/2011		12/14/2011		3/14/2012		6/19/2012		10/22/2012		12/6/2012		3/28/2013		6/13/2013		9/30/2013		1/13/2014		3/27/2014		6/23/2014		
Days since system start up	-113	Q	35	Q	125	Q	215	Q	327	Q	412	Q	524	Q	601	Q	692	Q	789	Q	914	Q	959	Q	1071	Q	1148	Q	1257	Q	1362	Q	1435	Q	1523		
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	16.6	J	3.1	J	ND		ND	UJ	ND		ND		ND		ND		ND		ND	R	ND	UJ	ND		ND		ND	R	ND	R	ND		ND	R	ND	R	50
Benzene	**27.8**		0.88	J	ND		ND	UJ	0.29	J	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		50
Bromomethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND	UJ	ND	R	ND	UJ	ND	R	ND	R	ND	R	ND		ND		ND	R	ND	R	ND	R	ND	R	ND	R	ND	R	ND		ND	R	ND	R	NVG
n-Butylbenzene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND	UJ	ND		ND	UJ	1.0		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chloroform	0.8	J	1.0	J	ND		0.61	J	0.47	J	0.83	J	0.74	J	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		7
Chloromethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		NVG
o-Chlorotoluene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND	UJ	ND		5
1,1-Dichloroethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	ND		0.88	J	ND		1.6	J	1.6		1.8		2.2		ND		ND		2.5	J	2.3	J	3.0		3.3		2.1	J	2.4		4.8	J	2.8	J	2.3	J	5
trans-1,2-Dichloroethene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.4
Ethyl Benzene	**55.3**		0.45	J	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	2.6	J	ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	0.58	J	ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	**25.2**		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		10
n-Propylbenzene	**8.5**	J	ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**198**		**1,310**	J	**2,700**	a	**914**	b J	**460**		**2,820**	a	**3,100**		**1,430**		**1,340**		**1,220**	a	**1,970**	b	**849**	a	**459**	a	**1,080**	a D	**954**	D	**2,250**	D	**639**		**1,800**	D	5
Toluene	**258**		0.78	J	0.78		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	ND		**7.1**	J	**11.9**		**11.4**	J	**5.7**		**10.1**		**18**		**9.3**		**10.9**		**14.9**		**13.3**	J	**11.9**		**9.7**		**11.2**		**8.2**		**13.7**		**6.6**		**12.9**		5
Trichlorofluoromethane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	**84.4**		0.40	J	0.40		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		0.89	J	ND		ND		ND		5
1,3,5-Trimethylbenzene	**18.8**		0.33	J	0.33		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	**219**		0.55	J	0.55		ND	UJ	0.35	J	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		0.92	J	ND		ND		ND		5
o-Xylene	**109**		1.4	J	1.4		ND	UJ	ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	**328**		1.9	J	1.9		ND	UJ	0.58	J	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		0.92	J	ND		ND		ND		5

Notes:

Date of System Start-up: 4/22/2010

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

J - Indicates an estimated value

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

D - Result from diluted analysis

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

a - results are from run #2

b - results are from run #2

Table 1 (MW-8 cont.)

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		MW-8		NYSDEC
Comments	3rd Q 2014		4th Q 2014		1st Q 2015		2nd Q 2015		2nd Half 2015		1st Half 2016		2nd Half 2016		1st Half 2017		2nd Half 2017		1st Half 2018		2nd Half 2018		1st Half 2019		2nd Half 2019		1st Half 2020		2nd Half 2020		1st Half 2021		2nd Half 2021		1st Half 2022		TOGS*
Date Sampled	9/19/2014		12/10/2014		4/1/2015		6/2/2015		12/10/2015		6/3/2016		12/16/2016		6/13/2017		12/1/2017		6/15/2018		12/27/2018		6/7/2019		12/4/2019		6/3/2020		12/21/2020		6/2/2021		12/14/2021		6/14/2022		
Days since system start up	1611	Q	1693	Q	1805	Q	1867	Q	2058	Q	2234	Q	2430	Q	2609	Q	2780	Q	2976	Q	3171	Q	3333	Q	3513	Q	3695	Q	3896	Q	4059	Q	4254	Q	4436	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND	R	ND		ND	R	ND	R	ND	UJ	ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		8.0	J	50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.26	J	ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND	UJ	ND		ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND	R	ND	R	ND	R	ND	R	ND	UJ	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		0.57		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	2.2	J	2.9	J	ND		2.6		**9.4**	J	1.7		2.7	J	ND		1.8		2.0	UJ	ND		ND		ND		ND		ND		ND		1.0		ND		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND	UJ	ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**862**	D	**923**		**118**		**1,060**	D	**1,640**		**405**	D	**602**		**455**		**609**	D	**622**	D	**4,070**		**1,100**		**750**		**720**		**690**		**540**		**630**		**540**		5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.27	J	ND		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	**13.5**		**10.0**		1.4		**16**		**29.7**		**9.2**		**16.7**		**6.4**		**17.0**		**16.8**		**30.2**		**18**		**25**		**6.8**		**6.8**		4.5		**7.4**		**35**		5
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:
Date of System Start-up:
ug/L - micrograms per liter or parts per billion
ND - Not detected
NVG - No Value Given
J - Indicates an estimated value

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
Bold and boxed indicates value exceeds TOGS

*NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998
D - Result from diluted analysis

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

a - results are from run #2
b - results are from run #2

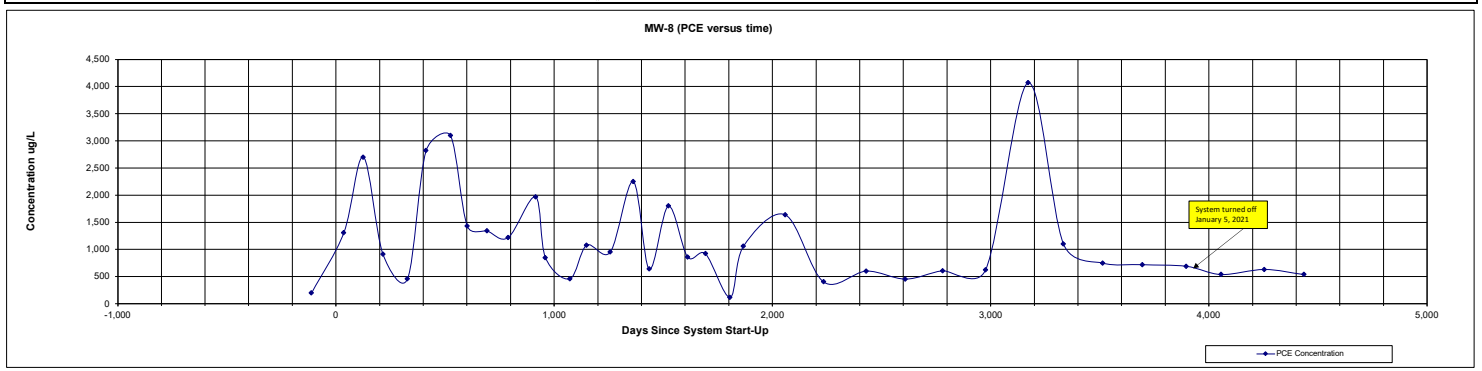


Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		4th Q 2011		1st Q 2012		2nd Q 2012		3rd Q 2012		4th Q 2012		1st Q 2013		2nd Q 2013		3rd Q 2013		4th Q 2013		1st Q 2014		2nd Q 2014		TOGS*
Date Sampled	12/30/2009		5/26/2010		8/25/2010		11/22/2010		3/15/2011		6/8/2011		9/28/2011		12/14/2011		3/14/2012		6/19/2012		10/22/2012		12/6/2012		3/28/2013		6/13/2013		9/30/2013		1/13/2014		3/27/2014		6/23/2014		
Days since system start up	-113	Q	34	Q	125	Q	214	Q	327	Q	412	Q	524	Q	601	Q	692	Q	789	Q	914	Q	959	Q	1071	Q	1148	Q	1257	Q	1362	Q	1435	Q	1523	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	14.4		6.7	J	ND	UJ	9.0	J	ND		ND		ND		ND		ND		ND	R	ND		ND		ND		ND	R	ND	R	ND		ND	R	ND	R	50
Benzene	0.5	J	0.73	J	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromomethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND		ND	R	ND	UJ	ND	R	ND	R	ND	R	ND		ND		ND	R	ND	R	ND	R	ND		ND	R	ND	R	ND		ND		ND	R	NVG
n-Butylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	1.9		2.8		1.4	J	3.1		0.72	J	0.22	J	ND		0.32	J	ND		ND		ND		ND		ND		ND		ND		0.91	J	0.55	J	0.32	J	7
Chloromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		5
1,1-Dichloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		1.2		0.52	J	ND		ND		0.62	J	ND		ND		5
trans-1,2-Dichloroethene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND	UJ	ND		0.59	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		10
n-Propylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**21.6**		4.3		3.4	J	**22.7**		**23**		**8.2**		4.9		**110**		**106**		**40.3**		**69.9**		**147**		**53.2**		**41.9**		**31.7**		**67.2**		**30.3**		**17.1**		5
Toluene	ND		ND		ND	UJ	ND		ND		0.41	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	ND		ND		ND	UJ	ND		ND		ND		ND		1		1.3		0.45	J	1.5		4.4		2.2		1.5		0.80	J	2.0		0.57	J	ND		5
Trichlorofluoromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:

Date of System Start-up: 4/22/2010

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

J - Indicates an estimated value

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

Table 1 (MW-10 cont.)

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		MW-10		NYSDEC
Comments	3rd Q 2014		4th Q 2014		1st Q 2015		2nd Q 2015		2nd Half 2015		1st Half 2016		2nd Half 2016		1st Half 2017		2nd Half 2017		1st Half 2018		2nd Half 2018		1st Half 2019		2nd Half 2019		1st Half 2020		2nd Half 2020		1st Half 2021		2nd Half 2021		1st Half 2022		TOGS*
Date Sampled	9/19/2014		12/10/2014		4/1/2015		6/2/2015		12/10/2015		6/3/2016		12/16/2016		6/13/2017		12/1/2017		6/15/2018		12/27/2018		6/7/2019		12/4/2019		6/3/2020		12/21/2020		6/2/2021		12/14/2021		6/14/2022		
Days since system start up	1611	Q	1693	Q	1805	Q	1867	Q	2058	Q	2234	Q	2430	Q	2609	Q	2780	Q	2976	Q	3171	Q	3333	Q	3513	Q	3695	Q	3896	Q	4059	Q	4254	Q	4436	Q	
Volatile Organic Compounds																																					
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND	R	ND		ND	R	ND	R	ND	UJ	ND	UJ	ND		ND	UJ	ND		ND		7.5		ND		ND		ND		ND		ND		50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND	UJ	ND		ND		ND		ND		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND	UJ	ND		ND		ND		ND		5
2-Butanone (MEK)	ND		ND	R	ND	R	ND	R	ND	R	ND	UJ	ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Chloroform	1.3		1.4		0.58	J	1		0.84	J	0.83	J	1.1		0.45	J	0.45	J	ND		ND		ND		1.1	J	ND		0.79	J	0.75	J	0.67		ND		7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
cis-1,2-Dichloroethene	ND		ND		ND		ND		0.78	J	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND	UJ	ND		ND		ND		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Tetrachloroethene	**11.0**		**25.5**		**50.4**		**38.6**		**72.7**		**56.4**		**52.4**		**44.5**		**44.4**		**48.0**		**27.5**		**18**		**7.3**		**27**		**20**		**25**		**19**		3.8		5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND	UJ	ND		ND		ND		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND	UJ	ND		ND	UJ	ND		ND		ND		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		1
Trichloroethene	0.64	J	1.7		1.4		2.5		ND		1.4		2.2		3.3		1.8		1.5	J	0.66	J	0.26	J	ND		0.42	J	0.36	J	0.43	J	0.27	J	ND		5
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		5

Notes:
Date of System Start-up:
ug/L - micrograms per liter or parts per billion
ND - Not detected
NVG - No Value Given
J - Indicates an estimated value
UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

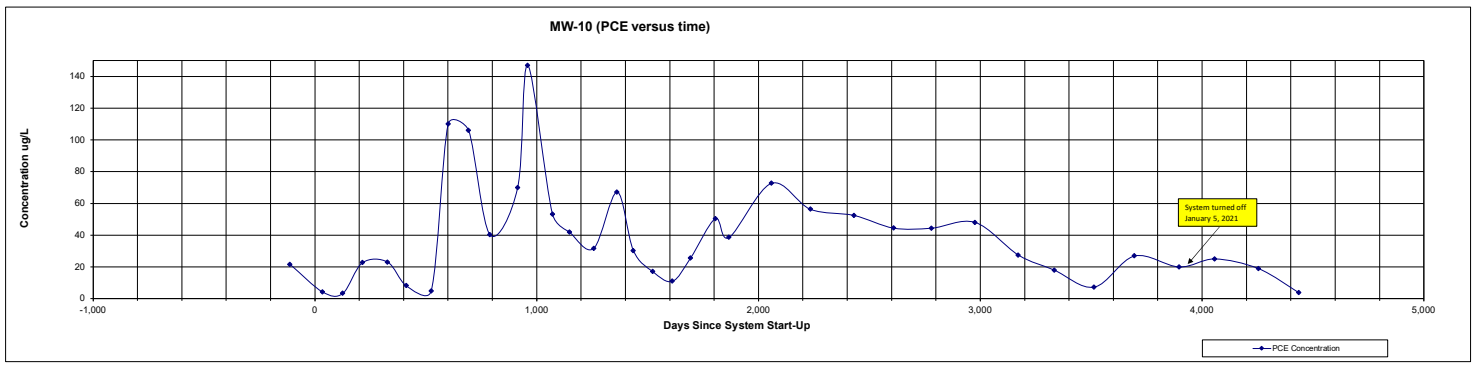


Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		NYSDEC
Comments	1st Q 2010		2nd Q 2010		3rd Q 2010		4th Q 2010		1st Q 2011		2nd Q 2011		3rd Q 2011		4th Q 2011		1st Q 2012		2nd Q 2012		3rd Q 2012		4th Q 2012		TOGS*
Date Sampled	12/29/2009		5/26/2010		8/25/2010		11/22/2010		3/15/2011		6/8/2011		9/28/2011		12/14/2011		3/14/2012		6/19/2012		10/22/2012		NA		
Days since system start up	-114	Q	34	Q	125	Q	214	Q	327		412	Q	524	Q	601	Q	692	Q	789	Q	914	Q	NA	Q	
Volatile Organic Compounds																									
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND	R	ND		Dry		50
Benzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		1
Bromobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Bromochloromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Bromodichloromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		50
Bromoform	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		50
Bromomethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
2-Butanone (MEK)	ND	UJ	ND		ND	R	ND	UJ	ND	R	ND	R	ND	R	ND		ND		ND	R	ND	R	Dry		NVG
n-Butylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
sec-butylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
tert-butylbenene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Carbon Tetrachloride	ND		ND		ND	UJ	ND		ND		ND	UJ	ND		ND		ND		ND		ND	UJ	Dry		5
Chlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Chloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Chloroform	3.7		2.4		2.3	J	0.36	J	0.58	J	0.3	J	0.38	J	ND		ND		ND		ND		Dry		7
Chloromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		NVG
o-Chlorotoluene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
p-Chlorotoluene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		0.04
Dibromochloromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		50
1,2-Dibromoethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		NVG
1,2-Dichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		3
1,3-Dichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		3
1,4-Dichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		3
Dichlorodifluoromethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,1-Dichloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,2-Dichloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		0.6
1,1-Dichloroethene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
cis-1,2-Dichloroethene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		0.64	J	ND		0.21	J	Dry		5
trans-1,2-Dichloroethene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,2-Dichloropropane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		1
1,3-Dichloropropene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		0.4
2,2-Dichloropropane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5.0
1,1-Dichloropropene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5.0
cis-1,3-Dichloropropene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		0.4
trans-1,3-Dichloropropene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		0.4
Ethyl Benzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Hexachlorobutadiene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		0.5
Isopropylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
p-Isopropylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Methyl tert-butyl Ether	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		10
4-Methyl-2-Pentanone	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		NVG
Methyl bromide	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		NVG
Methylene Chloride	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Naphthalene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		10
n-Propylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Styrene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,1,1,2-Tetrachloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,1,2,2-Tetrachloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Tetrachloroethene	**279**		**55.4**		**27.3**	J	**11.1**		**44.7**		**24.3**		**8.3**		**11.2**		**8.1**		**10.3**		**13.8**		Dry		5
Toluene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,2,3-Trichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,2,4-Trichlorobenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,1,1-Trichloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,1,2-Trichloroethane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		1
Trichloroethene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		0.39	J	Dry		5
Trichlorofluoromethane	ND	UJ	ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,2,3-Trichloropropane	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		0.04
1,2,4-Trimethylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
1,3,5-Trimethylbenzene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Vinyl Chloride	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		2
m,p-Xylene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
o-Xylene	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5
Xylene (total)	ND		ND		ND	UJ	ND		ND		ND		ND		ND		ND		ND		ND		Dry		5

Notes:

Date of System Start-up: 4/22/2010

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

Dry- Not Sampled on 12/6/2012 as the well was dry.

NA - Not Applicable

Table 1 (MW-11 cont.)

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Well ID	MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		MW-11		NYSDEC
Comments	1st Q 2013		2nd Q 2013		3rd Q 2013		4th Q 2013		1st Q 2014		2nd Q 2014		3rd Q 2014		4th Q 2014		1st Q 2015		2nd Q 2015		2nd Half 2015		TOGS*
Date Sampled	3/28/2013		6/13/2013		9/30/2013		1/13/2014		3/27/2014		6/23/2014		9/19/2014		12/10/2014		4/1/2015		6/2/2015		NA		
Days since system start up	1071	Q	1148	Q	1257	Q	1362	Q	1435	Q	1523	Q	1611	Q	1693	Q	1805	Q	1867		NA		
Volatile Organic Compounds																							
Units	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L
Acetone	ND		ND	R	ND	R	ND		ND	R	ND	R	ND		ND	R	ND		ND	R	NS		50
Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		1
Bromobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Bromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Bromodichloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		50
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		50
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
2-Butanone (MEK)	ND	R	ND	R	ND	R	ND		ND		ND	R	ND		ND	R	ND	R	ND	R	NS		NVG
n-Butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
sec-butylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
tert-butylbenene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Chloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Chloroform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		7
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NVG
o-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
p-Chlorotoluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,2-Dibromo-3-Chloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		0.04
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		50
1,2-Dibromoethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NVG
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		3
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		3
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		3
Dichlorodifluoromethane	ND		ND		ND		ND		ND	UJ	ND		ND		ND		ND		ND		NS		5
1,1-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		0.6
1,1-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
cis-1,2-Dichloroethene	ND		ND		0.49	J	ND		ND		ND		ND		ND		ND		ND		NS		5
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		1
1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		0.4
2,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5.0
1,1-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5.0
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		0.4
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		0.4
Ethyl Benzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Hexachlorobutadiene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		0.5
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
p-Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Methyl tert-butyl Ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		10
4-Methyl-2-Pentanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NVG
Methyl bromide	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NVG
Methylene Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Naphthalene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		10
n-Propylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,1,1,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Tetrachloroethene	**5.8**		4.4		**8.5**		**6.3**		**6.8**		**7.8**		**7.2**		**5.3**		**5.5**		2.5		NS		5
Toluene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,2,3-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,1,1-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		1
Trichloroethene	0.44	J	ND		0.99	J	0.61	J	ND		0.60	J	0.92	J	0.84	J	0.62	J	ND		NS		5
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,2,3-Trichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		0.04
1,2,4-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
1,3,5-Trimethylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Vinyl Chloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		2
m,p-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
o-Xylene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5
Xylene (total)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		5

Notes:

Date of System Start-up: 4/22/2010

ug/L - micrograms per liter or parts per billion

ND - Not detected

NVG - No Value Given

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

Bold and boxed indicates value exceeds TOGS

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998*

R - The sample results are unreliable/useable. The presence or absence of the analyte can not be verified.

NS- No sampling required as of 2nd Half 2015

NA - Not Applicable

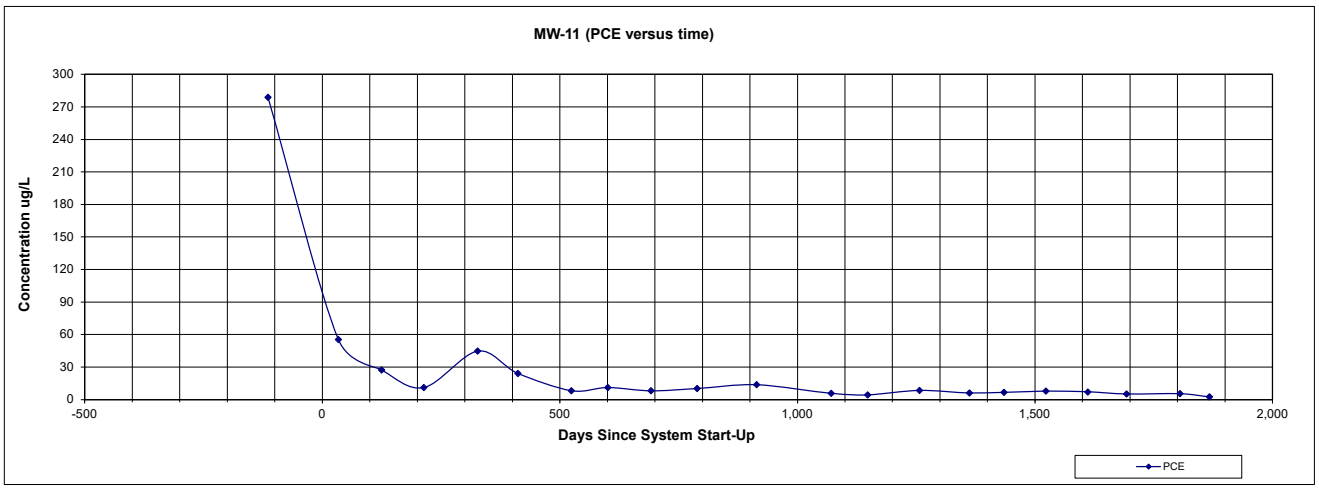


Table 2
Monitoring Well Network
Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Sample ID	Well Diameter	Depth to Bottom (Feet)	Type	Sampled This Quarter	Date Sampling No Longer Required
MW-1	4"	40.15	Monitoring Well	Yes	NA
MW-2A	4"	50.93	Monitoring/Pumping Well	Yes	NA
MW-3	4"	35.18	Monitoring Well	No	4th Quarter 2011
MW-4	4"	20.92	Monitoring Well	Yes	NA
MW-5	4"	47.20	Monitoring Well	No	2nd Quarter 2011
MW-6	4"	44.00	Monitoring/Pumping Well	Yes	NA
MW-7	4"	50.00	Monitoring/Pumping Well	Yes	NA
MW-8	4"	35.00	Monitoring/Pumping Well	Yes	NA
MW-10	4"	53.30	Monitoring Well	Yes	NA
MW-11	2"	16.30	Monitoring Well	No	3rd Quarter 2015

Notes:
NA = Not Applicable

Table 3
System Discharge Totals

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Date	Totalizer Reading in Gallons	Cummulative Gallons Pumped	Gallon Pumped Since Last Visit	MW-2A Clicker Reading	MW-6 Clicker Reading	MW-7 Clicker Reading	MW-8 Clicker Reading	Notes
4/27/2010	N/R	N/R	N/R	374	436	221	283	Begin system startup.
5/8/2010	N/R	N/R	N/R	462	17,244	230	483	
8/26/2010	78.2	78.2	78.2	1,886	18,800	263	578	
9/1/2010	4,532.3	4,532.3	4,454.1	47,739	18,800	263	578	
9/14/2010	4,641.3	4,641.3	109.0	47,745	18,801	263	579	
9/23/2010	12,241.6	12,241.6	7,600.3	91,373	19,209	281	2,682	
11/22/2010	60,724.6	60,724.6	48,483.0	568,850	19,212	286	12,702	MW-2A-only pump working
11/23/2010	61,408.4	61,408.4	683.8	569,686	19,449	288	12,783	
3/15/2011	91,621.1	91,621.1	30,212.7	94,233	19,600	288	16,832	
6/8/2011	114,997.0	114,997.0	23,375.9	463,248	19,631	298	22,700	
9/29/2011	195,770.0	195,770.0	80,773.0	649,728	19,645	300	22,849	System reading before repair
12/14/2011	262,926.0	262,926.0	67,156.0	649,934	516,524	317	23,929	
3/14/2012	333,233.0	333,233.0	70,307.0	302,039	990,159	321	23,936	
6/19/2012	333,274.0	333,274.0	41.0	785,465	604,338	322	23,941	Flow meter/totalizer appears to be stuck.
10/22/2012	N/R	No Accurate Total		408,847	962,560	345	24,085	Battery dead on flow meter/totalizer. Order new totalizer for next visit.
12/6/2012	N/R	No Accurate Total		856,573	105,792	352	29,411	Replaced battery on flow meter/totalizer. Still not working. Need to speak with vendor
3/28/2013	N/R	No Accurate Total		863,626	734,024	353	29,411	Removed flow meter/totalizer for cleaning and repair. Meter not registering flow.
4/5/2013	0.0	No Accurate Total		N/R	N/R	N/R	N/R	Flow meter/totalizer reinstalled. Meter reads 0 gallons at 12:00 pm.
6/13/2013	51,204.1	384,478.1	51,204.1	72,446	240,165	354	31,465	
9/30/2013	90,183.2	423,457.2	38,979.1	185,457	667,518	354	31,973	
1/13/2014	92,844.2	426,118.2	2,661.0	185,513	127,648	354	31,979	System off upon arrival. Turn on to collect system sample.
3/27/2014	92,844.2	426,118.2	0.0	185,518	139,642	354	31,979	System turned off for repairs.
6/10/2014	92,844.2	426,118.2	0.0	185,537	140,140	373	32,069	Install refurbished pumps. Flow meter/totalizer not working.
6/23/2014	92,844.2	426,118.2	0.0	185,537	273,555	373	33,178	Removed flow meter/totalizer and clean on-site. Appears to be working upon departure.
8/8/2014	112,274.0	445,548.0	19,429.8	185,541	731,815	373	33,646	
9/19/2014	141,466.0	474,740.0	29,192.0	185,547	82,153	382	37,302	
12/10/2014	199,835.0	533,109.0	58,369.0	185,547	417,822	382	44,426	
4/1/2015	0.0	533,109.0	0.0	185,551	700,164	384	51,921	Replaced battery on flow meter/totalizer. Totalizer at 0 gallons to start.
6/2/2015	15,471.5	548,580.5	15,471.5	185,556	961,755	385	57,344	
9/22/2015	0.0	548,580.5	0.0	185,559	618,581	387	67,210	Totalizer reading stuck at 15471.5. Removed unit and cleaned. Totalizer reset at 0.0 at 09:40.
12/10/2015	53,746.7	602,327.2	53,746.7	185,560	112,096	412	75,333	System turned off December 4, 2015 as the bottom of the drum was leaking. System turned on for 20 minutes to collected discharge sample and then turned off.
6/3/2016	115,918.0	664,498.5	62,171.3	185,568	112,769	412	84,940	
9/23/2016	168,211.0	716,791.5	52,293.0	185,568	112,769	412	92,146	
12/16/2016	225,939.0	774,519.5	57,728.0	185,568	112,769	412	102,377	
1/20/2017	228,597.0	777,177.5	2,658.0	185,568	112,771	412	103,060	Bottom outlet of each drum leaking on January 3, 2017 and system was turned off that day. Repairs were made and the system was restarted on January 20, 2017.
3/7/2017	261,246.0	809,826.5	32,649.0	185,568	112,771	412	108,434	
6/13/2017	277,975.0	826,555.5	16,729.0	187,387	112,808	414	108,688	
9/12/2017	314,277.0	862,857.5	36,302.0					
12/1/2017	-----	> 862,857.5	Not Known	487,506	112,812	415	124,562	Battery on totalizer was dead. Replaced battery and reading returned to zero. Estimate 35,000 gallons
3/30/2018	32,042.0	894,899.5	32,042.0	491,083	112,812	415	129,588	System was not operating on March 23,2018 through June 25, 2018 due to an electrical issue.
6/27/2018	32,076.4	894,933.5	34.0	491,098	112,812	415	129,794	System was not operating on March 23,2018 through June 25, 2018 due to an electrical issue.
10/4/2018	32,555.2	895,412.3	478.8	492,328	112,813	415	130,241	System was not operating from June 26, 2018 to November 3, 2018 due to electrical issue. Fix on 11/3/18
12/27/2018	33,632.2	896,489.3	1,077.0	493,986	112,815	415	130,560	Super informed CA RICH at sampling event that the system has been shutting off.
2/8/2019	Not on-site to collect readings							Routine maintenance conducted on compressor and magnetic start repaired
6/7/2019	96,392.20	958,172	62,760.00	662,555	112,815	417	143,341	
8/7/2019	No reading collected							System turned off due to leak in transfer pump hose and repair transfer pump float switch
8/29/2019	No reading collected							System turned back on
12/4/2019	200,229.00	1,062,009	103,836.80	2,172	112,816	418	166,081	
6/3/2020	-----	>1,062,009	Not Known	2,210	112,847	419	184,179	Totalizer battery dead. Replaced battery & readings returned to zero. Estimate 15,000 gallons this period
11/2/2020	No reading collected							Transfer pump malfunction, system shut down by super.
12/21/2020	60,199.2	1,122,208	60,199.20	12,325	135,710	420	184,188	Transfer pump repaired and system restarted and left operating upon departure
1/5/2021	No readings collected							System temporarily shut down--approved by NYSDEC
6/2/2021	87,271.2	1,149,280.0	27,072.0	17,225	431,766	420	184,189	System temporarily shut down--approved by NYSDEC

Notes:
N/R = No reading
The flow meter/totalizer was not operating properly from 6/19/2012 to 4/4/2013. The cummulative gallons pumped does not take into account the amount of water pumped during this period.
The flow meter/totalizer was not operating properly from 6/2/2015 to 9/22/2015. The cummulative gallons pumped does not take into account the amount of water pumped during this period.
The system was not operating from January 3, 2017 to January 19, 2017 and from April 10, 2017 to July 25, 2017 due to drum leaky drums.
The system was not operating on March 23,2018 through June 25, 2018 due to an electrical issue. System was repaired on June 25th and turned off. CA RICH returned the system on June 27th and sampled. System was operating upon departure.
The system was not operating from June 28, 2018 to October 3, 2018 due to electrical issues. System was repaired on October 3, 2018 and put back into continuous operations.
The system was found on during the December 27, 2018 groundwater sampling event, but the compressor did not appear to be operating correctly and was shut down after VOC influent and effluent samples were collected.
The system remained off from December 27, 2018 to February 8, 2019. The system was repaired on February 8, 2019 and has remained in continuous operation.
The system was off from August 7, 2019 to August 29, 2019 to repair the transfer pump hose and transfer pump float switch. System was reactivated on August 29, 2019.
Thye system was off from November 2, 2020 to December 21, 2020 due a tranfer pump malfunction. The system was turned back on from December 21, 2020 to January 5, 2021.
The actual gallons pumped are more than cummulative total.

Table 4
System PCE Removal Estimate

Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Period	Days/Period	Operating Days	Gallons/Period	Flow Rate (gal/day)	Flow Rate (Liters/day)	Influent PCE Concentration (ppm)	Effluent PCE Concentration (ppm)	PCE Concentration removed (ppm)	Pounds/Gallon	Gallons Treated This Period	Pounds Removed This Period (lbs)
6/3/2016 to 9/23/2016	112	112	52293	466.90	1767.42	0.041	<0.0002	0.0408	2.37619E-06	52,293	0.12
9/23/2016 to 12/16/2016	84	84	57728	687.24	2601.48	0.045	<0.0002	0.0448	2.60915E-06	57,728	0.15
12/16/2016 to 3/7/2017	81	81	35307	435.89	1650.02	0.043	<0.0002	0.0428	2.49267E-06	35,307	0.09
3/7/2017 to 6/13/2017	98	98	16729	170.70	646.19	0.270	<0.0002	0.2698	1.57131E-05	16,729	0.26
6/13/2017 to 9/12/2017	91	91	36302	398.92	1510.09	0.066	<0.0002	0.0658	3.83219E-06	36,302	0.14
9/12/2017 to 12/1/2017[1]	80	80	35000	437.50	1656.12	0.061	<0.0002	0.0608	3.54099E-06	35,000	0.12
12/1/2017 to 3/30/2018[2]	119	112	32042	286.09	1082.97	0.066	<0.0002	0.0658	3.83219E-06	32,042	0.12
3/30/2018 to 6/27/2018	87	1	34	34.00	128.70	0.610	<0.0002	0.6098	3.55147E-05	34	0.001
6/27/2018 to 10/4/2018[3]	99	1	479	479.00	1813.21	0.1	<0.0002	0.0998	5.81234E-06	479	0.003
10/4/2018 to 12/27/2018[4]	84	3	1077	359.00	1358.96	0.36	<0.00025	0.35975	2.09518E-05	1,077	0.02
12/27/2018 to 6/7/2019[5]	162	120	96392	803.27	3040.70	0.18	0.00018	0.17982	1.04727E-05	96,392	1.01
6/7/2019 to 12/4/2019[6]	180	160	103837	648.98	2456.66	0.082	<0.00018	0.08182	4.76519E-06	103,837	0.49
12/4/2019 to 6/3/2020[7]	182	182	15000	82.42	311.98	0.17	<0.00018	0.16982	9.8903E-06	15,000	0.15
6/3/2020 to 12/21/2020	201	153	60199	393.46	1489.40	0.34	<0.00018	0.33982	1.97911E-05	60,199	1.19
1/5/2021	CA RICH requested system be turned off-NYSDEC approved. No samples collected.										

Notes: Total 467,220 3.88

[1]- The battery for the totalizer was dead on 12/1/17 and replaced the same day. The PCE removed this time period is estimated

[2]- The system was off from March 23, 2018 to June 25, 2018 due to electrical issues. The system was turned on June 27, 2018, the sample collected, and system remained on upon departure for approximately 1 day

[3]- The system was off from June 28, 2018 to October 3, 2018 due to electrical issues. The magnetic start was broken and needed to be replaced. The system has operated continuosly since October 3, 2018.

[4]- The system was repaired on October 3, 2018; however, during the sampling event on December 27, 2018 it was revealed the system was not operating properly

[5]- The system was off from December 27, 2018 to February 8, 2019. The system was repaired and has remained in continuous operation since the repair.

[6]- The system was off from August 7, 2019 to August 29, 2019 due to mechanical issues. The system transfer pump hose and transfer pump float switch were repaired. The system has operated continuously since August 29, 2019.

[7]- The battery in the totalizer was dead and was replaced on June 3, 2020. Amount of gallons treated is unkown. An estimate of 15,000-gallons was used for removal estimate purposes.

ppm = parts per million
1 Liter equals 0.264 gallons
1 Pound equals 453592369 Ug

APPENDIX A SELECT PHOTOGRAPHS

Front of the site building along East 158th Street.

Eastern side of the Site building along Brook Avenue

Front of the Site building along East 158th Street.

Monitoring well MW-5

Well MW-6.

Well MW-2A

Monitoring well MW-10

Monitoring well MW-4

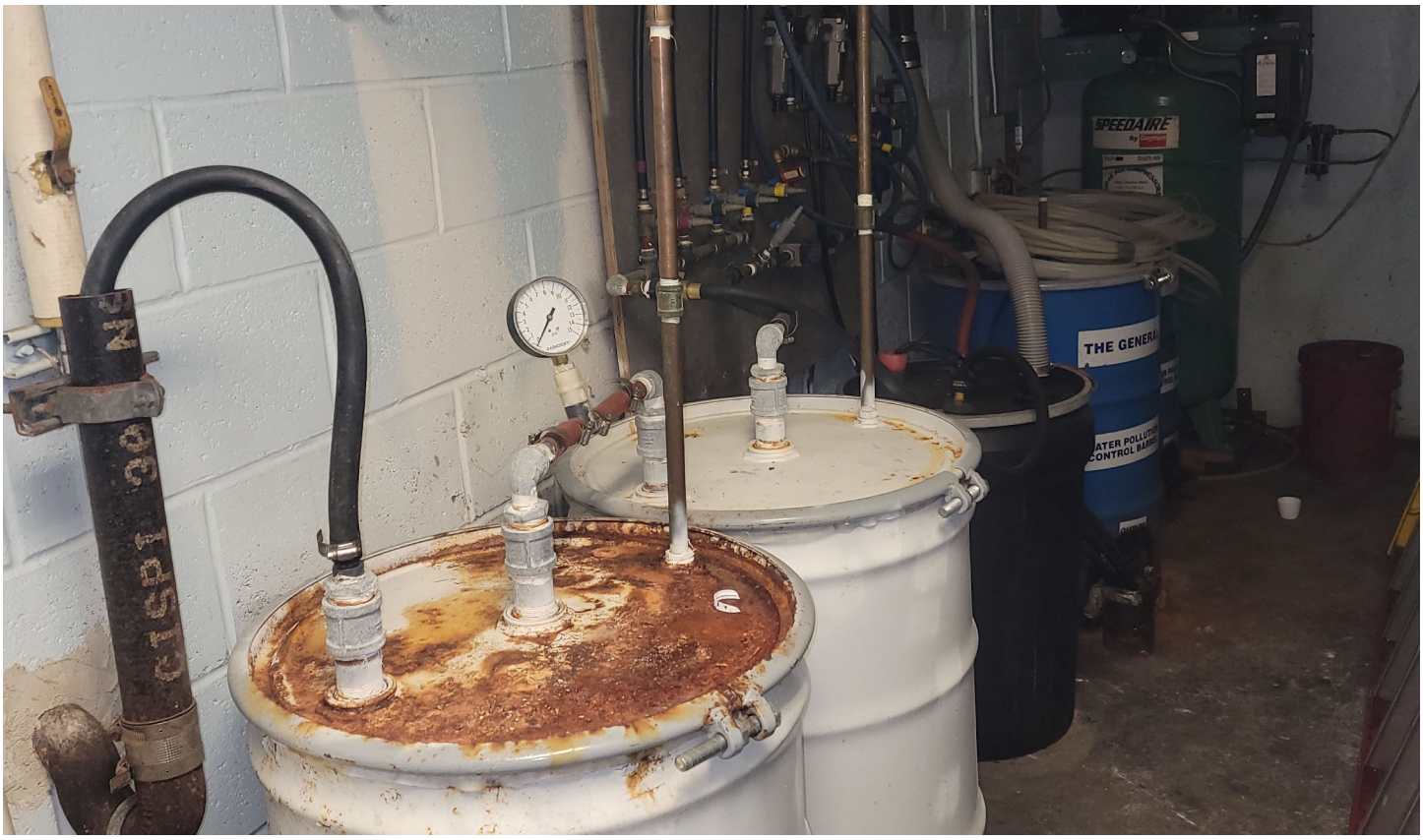
Monitoring well MW-11.

Monitoring well MW-1

Pumping well MW-8

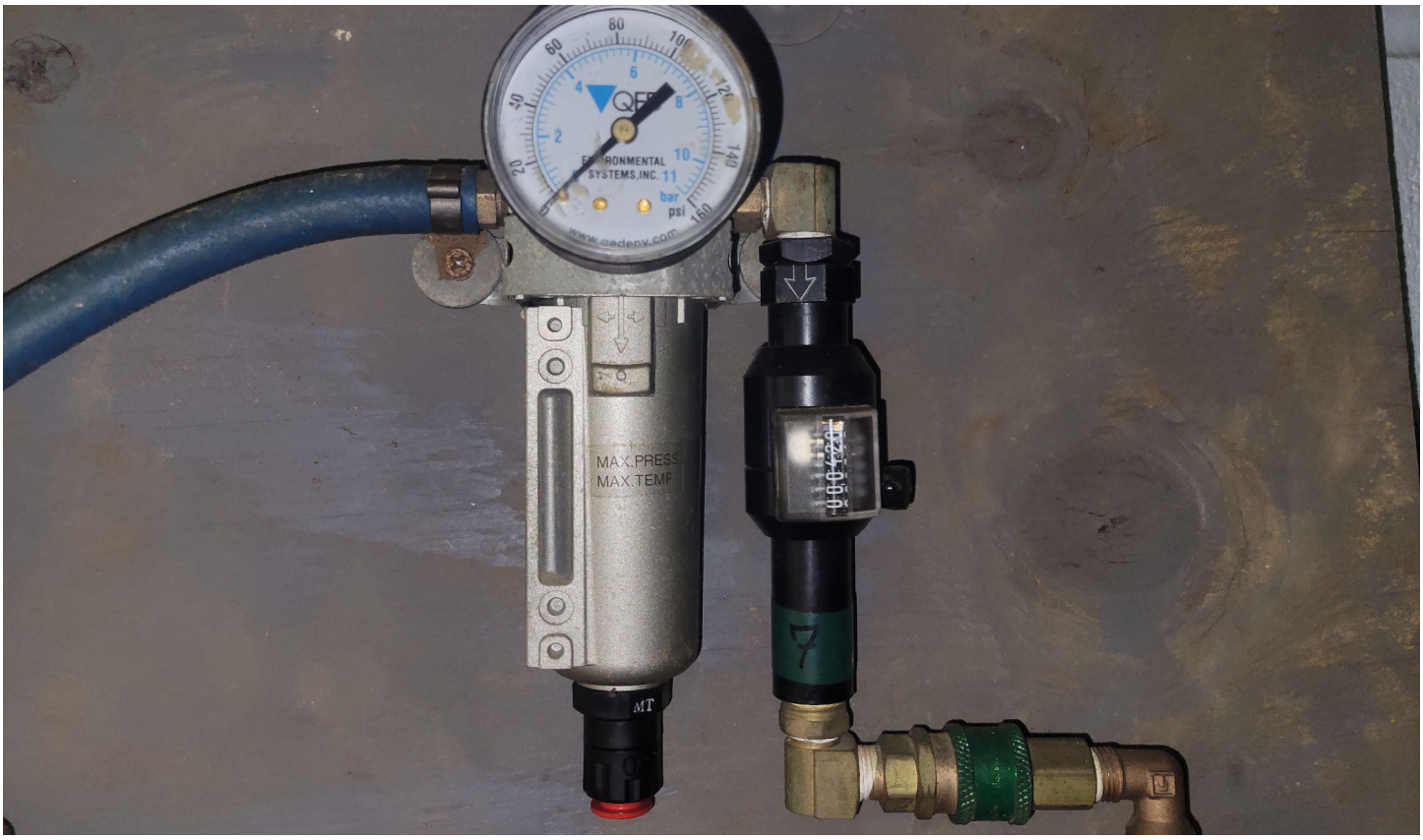
Pumping well MW-7

Sewer trap room in the basement.



View of pump and treat system

View of pressure gages and clickers associated with the system.

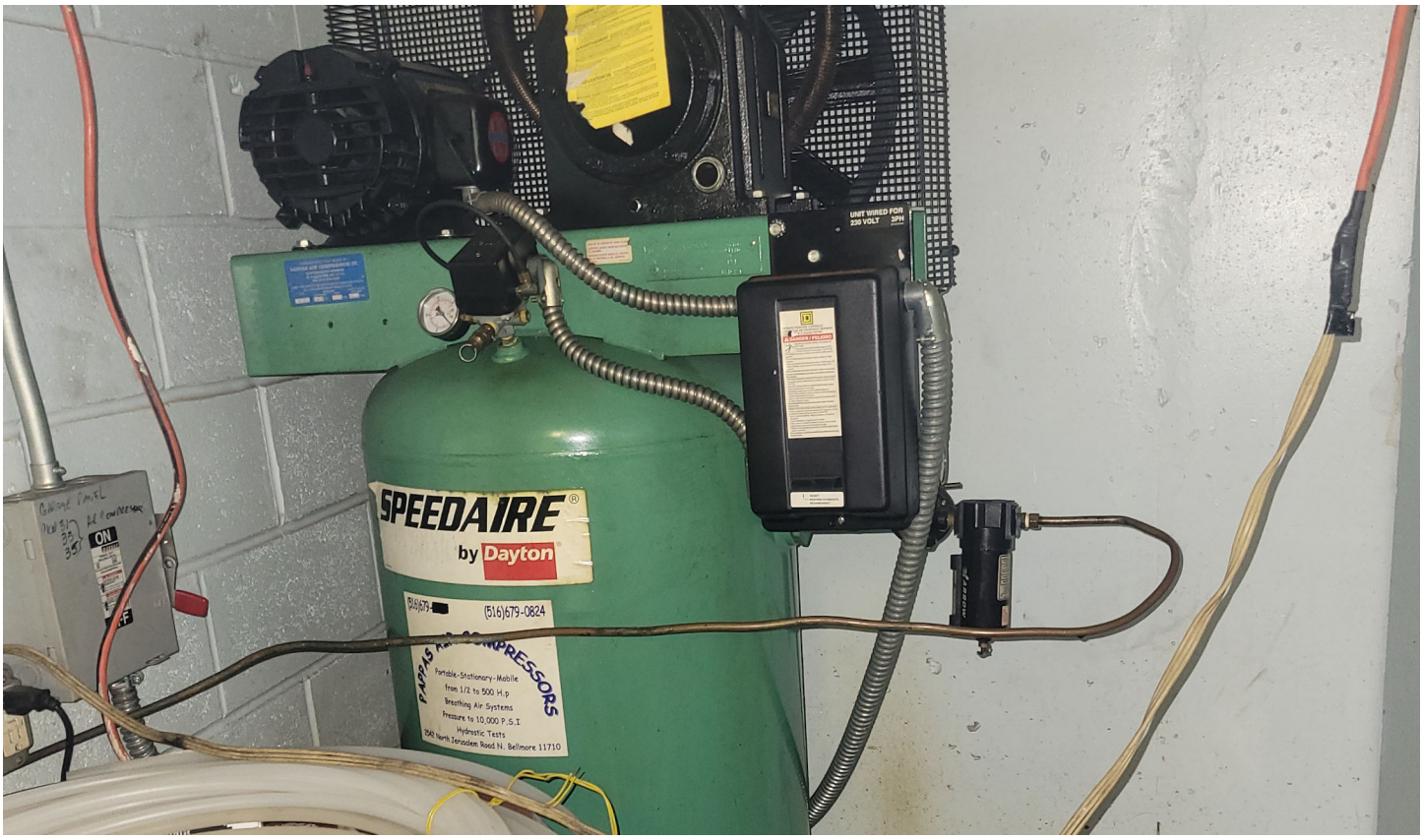


Clicker for MW-7

Clicker for MW-6

Clicker for MW-2A

Clicker for MW-8



System compressor

View of basement parking garage.

View of basement parking garage

View of basement parking garage

View of basement parking garage ramp

Courtyard area

Courtyard area

APPENDIX B SITE-WIDE INSPECTION FORM

Site-Wide Inspection Check List
Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Compliances to be Addressed	Comments
Provide an evaluation of the condition and continued effectiveness of engineering controls (foundation walls/slabs, ventilated parking garage, vapor barrier, and concrete sidewalks).	All systems appear to be in good condition and operating as intended; however, the groundwater pump and treat system is temporarily off as approved by NYSDEC. No evaluation was done on the GWPT sys.
Are all institutional controls, including Site usage in compliance?	Yes
What are the general Site conditions?	Site is well maintained.
Are Site management activies being conducted including, confirmation sampling and a health and safety inspection?	Yes
Are all Site records up to date?	Yes
Does Site access remain available to maintain engineering controls?	Yes
Are all permits and schedules included in the Operation and Maintenance Plan in Compliance?	Yes

Inspector- Jason Cooper
Date/Time- 6/14/2022 at 2:00 PM

APPENDIX C IC/EC 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. **C203044**

Site Name Cornerstone Site B 1

Site Address: 3100 3rd Avenue Zip Code: 10451
City/Town: Bronx
County: Bronx
Site Acreage: 0.368

Reporting Period: June 16, 2021 to June 16, 2022

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

Box 2

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

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

	Box 2A	
	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	☒
If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.		
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	☒	☐
If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.		

SITE NO. C203044 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
2364-45	CS Melrose Site B LLC (expected owner)	Landuse Restriction Ground Water Use Restriction Site Management Plan Monitoring Plan O&M Plan IC/EC Plan

a) An institutional control was imposed in the form of an environmental easement that : (a) requires compliance with the approved site management plan; (b) limits the use of the property to restricted residential and commercial uses (c) The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use; and (d) requires the property owner to complete and submit a periodic certification to the NYSDEC.

b) The property owner will provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the NYSDEC, until the NYSDEC notifies the property owner in writing that this certification is no longer needed. This submittal would: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with NYSDEC-approved modifications; (b) allow the NYSDEC access to the site; and (c) state that nothing has occurred that would impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the SMP unless otherwise approved by the NYSDEC.

2364-70	CS Melrose Site B LLC	Ground Water Use Restriction Site Management Plan Monitoring Plan O&M Plan IC/EC Plan Landuse Restriction

a) An institutional control was imposed in the form of an environmental easement that : (a) requires compliance with the approved site management plan; (b) limits the use of the property to restricted residential and commercial uses (c) The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use; and (d) requires the property owner to complete and submit a periodic certification to the NYSDEC.

b) The property owner will provide a periodic certification of institutional and engineering controls, prepared and submitted by a professional engineer or such other expert acceptable to the NYSDEC, until the NYSDEC notifies the property owner in writing that this certification is no longer needed. This submittal would: (a) contain certification that the institutional controls and engineering controls put in place are still in place and are either unchanged from the previous certification or are compliant with NYSDEC-approved modifications; (b) allow the NYSDEC access to the site; and (c) state that nothing has occurred that would impair the ability of the control to protect public health or the environment, or constitute a violation or failure to comply with the SMP unless otherwise approved by the NYSDEC.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
2364-45	Cover System Groundwater Treatment System

a) Cover System (engineering control) installed to prevent exposure from remaining contamination in soil/fill at the Site. This cover system comprised of concrete-covered sidewalks, foundation walls, ventilated parking garage, and concrete building slabs. In addition, a vapor barrier was also installed underneath the entire building foundation as additional protection.

b) Groundwater Pump and Treat System installed to collect and treat the halogenated VOC impacted groundwater (PCE and its degradation products) within shallow bedrock fractures from four monitoring wells.

Parcel	Engineering Control

c) all engineering controls must be operated and maintained as specified in the NYSDEC-approved Site Management Plan (SMP). No engineering and institutional controls may be discontinued without a NYSDEC-approved amendment or extinguishment of the Environmental Easement;

d) periodic inspections of the Site, certifications of institutional & engineering controls and site usage of controlled property, and site-management reporting to the Department must be conducted in accordance with the NYSDEC-approved SMP;

e) Operation, Monitoring and Maintenance (OM&M) of the Groundwater Pump and Treat System must be performed in a manner specified in the NYSDEC-approved Site Management Plan.

2364-70

Groundwater Treatment System
Cover System

a) Cover System (engineering control) installed to prevent exposure from remaining contamination in soil/fill at the Site. This cover system comprised of concrete-covered sidewalks, foundation walls, ventilated parking garage, and concrete building slabs. In addition, a vapor barrier was also installed underneath the entire building foundation as additional protection.

b) Groundwater Pump and Treat System installed to collect and treat the halogenated VOC impacted groundwater (PCE and its degradation products) within shallow bedrock fractures from four monitoring wells.

c) all engineering controls must be operated and maintained as specified in the NYSDEC-approved Site Management Plan (SMP). No engineering and institutional controls may be discontinued without a NYSDEC-approved amendment or extinguishment of the Environmental Easement;

d) periodic inspections of the Site, certifications of institutional & engineering controls and site usage of controlled property, and site-management reporting to the Department must be conducted in accordance with the NYSDEC-approved SMP;

e) Operation, Monitoring and Maintenance (OM&M) of the Groundwater Pump and Treat System must be performed in a manner specified in the NYSDEC-approved Site Management Plan.

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. C203044

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 Jason T. Cooper at CA Rich Consultants, 17 Dupont St. Plainview, NY
print name print business address

am certifying as Remedial Party (Owner or Remedial Party)

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

Jason T. Cooper on behalf of C&S Melrose SiteB1 LLC 7/8/2022
Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification

EC CERTIFICATIONS

QEP

~~Professional Engineer~~ Signature **Box 7**

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 Jason T. Cooper at CA Rich Consultants, 17 Dupont St, Plainview NY,
print name print business address

am certifying as a Professional ~~Engineer~~ Geologist for the Owner
(Owner or Remedial Party)

Jason T. Cooper Geologist 1/8/2022
Signature of Professional ~~Engineer~~, for the Owner or Remedial Party, Rendering Certification — Stamp (Required for PE) — Date

APPENDIX D GROUNDWATER SAMPLING LOGS

Groundwater Sampling Log
Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Sample ID	Date	Well Diameter	Depth to Water (Feet)	Depth to Bottom (Feet)	Amount Purged (Gallons)	Sample Time	pH	Temperature (° Celsius)	Conductivity (ms/cm)	Oxygen/Reduction Potential (mv)	Dissolved Oxygen (mg/L)
MW-1	12/14/2021	4"	15.37	40.15	15	1136	6.70	17.45	5.67	174	1.71
*MW-2A	12/14/2021	4"	25.30	50.93	6	0938	6.94	16.22	2.32	56	6.18
MW-3	12/14/2021	4"	14.97	35.18	No Longer Sampled						
MW-4	12/14/2021	4"	16.91	20.92	3	1100	7.01	16.91	1.84	147	3.87
MW-5	12/14/2021	4"	28.24	47.20	No Longer Sampled						
*MW-6	12/14/2021	4"	25.79	44.00	6	1020	6.75	16.86	3.70	119	0.75
*MW-7	12/14/2021	4"	6.31	50.00	10	1210	7.41	17.27	1.25	141	0.00
*MW-8	12/14/2021	4"	15.14	35.00	5	1130	7.38	16.68	1.70	146	0.00
MW-10	12/14/2021	4"	26.15	53.30	15	0925	6.43	16.97	9.52	132	5.11
MW-11	12/14/2021	2"	15.53	16.30	No Longer Sampled						
System Samples	N/A	----------	----------	----------	----------						

Comments:

** - Monitoring well that contains a pump and is piped into system.*

Many monitoring wells do not yield three well volumes as they dry up. In the Amount Purged column there are two numbers. The first number indicates the three well volume value and the second number in parathensis indicates the actual volume purged.

Monitoring well MW-2A is the duplicate sample.
MS/MSD sample collected from MW-10

Groundwater Sampling Log
Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Sample ID	Date	Well Diameter	Depth to Water (Feet)	Depth to Bottom (Feet)	Amount Purged (Gallons)	Sample Time	pH	Temperature (° Celsius)	Conductivity (ms/cm)	Oxygen/Reduction Potential (mv)	Dissolved Oxygen (mg/L)
MW-1	6/14/2022	4"	13.36	40.15	15	13:36	NA				
***MW-2A**	6/14/2022	4"	23.85	50.93	15	9:55	NA				
MW-3	6/14/2022	4"	12.9	35.18	No Longer Sampled						
MW-4	6/14/2022	4"	15.13	20.92	6	10:47	NA				
MW-5	6/14/2022	4"	25.90	47.20	No Longer Sampled						
***MW-6**	6/14/2022	4"	23.21	44.00	15	10:12	NA				
***MW-7**	6/14/2022	4"	3.40	50.00	20	12:06	NA				
***MW-8**	6/14/2022	4"	13.69	35.00	10	11:55	NA				
MW-10	6/14/2022	4"	24.94	53.30	10	9:31	NA				
MW-11	6/14/2022	2"	12.35	16.30	No Longer Sampled						
ystem Samples	N/A	----------	----------	----------	**System Still Off, Awaiting NYSDEC Decision. No Samples Collected**						

Comments:

** - Monitoring well that contains a pump and is piped into system.*

Many monitoring wells do not yield three well volumes as they dry up. In the Amount Purged column the number is the amount of water that could be purged until the well went dry. in parathensis indicates the actual volume purged.

Monitoring well MW-2A is the duplicate sample.
MS/MSD sample collected from MW-10

NA - Water quality meter was malfunctioning. Results could not be relied upon

APPENDIX E GROUNDWATER ANALYTICAL DATA & DUSRs

PHOENIX
Environmental Laboratories, Inc.

Monday, January 03, 2022

Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Project ID: **L2168804**
SDG ID: **GCK03360**
Sample ID#s: CK03360 - CK03369

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

January 03, 2022

SDG I.D.: GCK03360

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

January 03, 2022

SDG I.D.: GCK03360

Project ID: L2168804

Client Id	Lab Id	Matrix
MW-1	CK03360	WATER
MW-2A	CK03361	WATER
MW-XX	CK03362	WATER
MW-4	CK03363	WATER
MW-6	CK03364	WATER
MW-7	CK03365	WATER
MW-8	CK03366	WATER
MW-10	CK03367	WATER
FB 121421	CK03368	WATER
TB	CK03369	WATER

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	11:36
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03360

Project ID: L2168804
Client ID: MW-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	

Project ID: L2168804
Client ID: MW-1

Phoenix I.D.: CK03360

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/22/21	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/22/21	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/22/21	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Tetrachloroethene	29		5.0	1.3	ug/L	5	12/23/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
Trichloroethene	0.27	J	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	98				%	1	12/22/21	HM	70 - 130 %	
% Bromofluorobenzene	97				%	1	12/22/21	HM	70 - 130 %	
% Dibromofluoromethane	105				%	1	12/22/21	HM	70 - 130 %	

Project ID: L2168804
Client ID: MW-1

Phoenix I.D.: CK03360

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	104			%	1	12/22/21	HM	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	101			%	5	12/23/21	HM	70 - 130 %
% Bromofluorobenzene (5x)	98			%	5	12/23/21	HM	70 - 130 %
% Dibromofluoromethane (5x)	105			%	5	12/23/21	HM	70 - 130 %
% Toluene-d8 (5x)	104			%	5	12/23/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

January 03, 2022

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	9:51
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03361

Project ID: L2168804
Client ID: MW-2A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	

Ver 1

Project ID: L2168804
Client ID: MW-2A

Phoenix I.D.: CK03361

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloroform	0.37	J	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
cis-1,2-Dichloroethene	3.6		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/22/21	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/22/21	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/22/21	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Tetrachloroethene	400		50	13	ug/L	50	12/23/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,2-Dichloroethene	0.69	J	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
Trichloroethene	4.9		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	97				%	1	12/22/21	HM	70 - 130 %	
% Bromofluorobenzene	96				%	1	12/22/21	HM	70 - 130 %	
% Dibromofluoromethane	104				%	1	12/22/21	HM	70 - 130 %	

Ver 1

Project ID: L2168804
Client ID: MW-2A

Phoenix I.D.: CK03361

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	12/22/21	HM	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	12/23/21	HM	70 - 130 %
% Bromofluorobenzene (50x)	98			%	50	12/23/21	HM	70 - 130 %
% Dibromofluoromethane (50x)	103			%	50	12/23/21	HM	70 - 130 %
% Toluene-d8 (50x)	104			%	50	12/23/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

January 03, 2022

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	9:51
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03362

Project ID: L2168804
Client ID: MW-XX

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	

Ver 1

Project ID: L2168804
Client ID: MW-XX

Phoenix I.D.: CK03362

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloroform	0.49	J	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
cis-1,2-Dichloroethene	3.5		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/22/21	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/22/21	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/22/21	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Tetrachloroethene	420		50	13	ug/L	50	12/23/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,2-Dichloroethene	0.73	J	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
Trichloroethene	4.7		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	97				%	1	12/22/21	HM	70 - 130 %	
% Bromofluorobenzene	97				%	1	12/22/21	HM	70 - 130 %	
% Dibromofluoromethane	104				%	1	12/22/21	HM	70 - 130 %	

Project ID: L2168804
Client ID: MW-XX

Phoenix I.D.: CK03362

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	12/22/21	HM	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	99			%	50	12/23/21	HM	70 - 130 %
% Bromofluorobenzene (50x)	96			%	50	12/23/21	HM	70 - 130 %
% Dibromofluoromethane (50x)	104			%	50	12/23/21	HM	70 - 130 %
% Toluene-d8 (50x)	105			%	50	12/23/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

January 03, 2022

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	11:00
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03363

Project ID: L2168804
Client ID: MW-4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	

Project ID: L2168804
Client ID: MW-4

Phoenix I.D.: CK03363

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrolein	ND	5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrylonitrile	ND	5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Benzene	ND	0.70	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	12/23/21	HM	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Tetrachloroethene	13	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	12/23/21	HM	70 - 130 %	
% Bromofluorobenzene	99			%	1	12/23/21	HM	70 - 130 %	
% Dibromofluoromethane	99			%	1	12/23/21	HM	70 - 130 %	

Ver 1

Project ID: L2168804
Client ID: MW-4

Phoenix I.D.: CK03363

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	101			%	1	12/23/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

January 03, 2022

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	10:20
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03364

Project ID: L2168804
Client ID: MW-6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	

Project ID: L2168804
Client ID: MW-6

Phoenix I.D.: CK03364

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,2-Dichloroethene	0.38	J	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/23/21	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Tetrachloroethene	55		5.0	1.3	ug/L	5	12/27/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Trichloroethene	0.86	J	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	12/23/21	HM	70 - 130 %	
% Bromofluorobenzene	98				%	1	12/23/21	HM	70 - 130 %	
% Dibromofluoromethane	101				%	1	12/23/21	HM	70 - 130 %	

Ver 1

Project ID: L2168804
Client ID: MW-6

Phoenix I.D.: CK03364

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	12/23/21	HM	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	103			%	5	12/27/21	HM	70 - 130 %
% Bromofluorobenzene (5x)	98			%	5	12/27/21	HM	70 - 130 %
% Dibromofluoromethane (5x)	105			%	5	12/27/21	HM	70 - 130 %
% Toluene-d8 (5x)	101			%	5	12/27/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

January 03, 2022

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	12:10
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03365

Project ID: L2168804
Client ID: MW-7

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	

Project ID: L2168804
Client ID: MW-7

Phoenix I.D.: CK03365

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	3.2	JS	5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroform	0.27	J	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,2-Dichloroethene	20		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/23/21	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Tetrachloroethene	42		5.0	1.3	ug/L	5	12/27/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Trichloroethene	2.6		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	12/23/21	HM	70 - 130 %	
% Bromofluorobenzene	98				%	1	12/23/21	HM	70 - 130 %	
% Dibromofluoromethane	100				%	1	12/23/21	HM	70 - 130 %	

Project ID: L2168804
Client ID: MW-7

Phoenix I.D.: CK03365

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	105			%	1	12/23/21	HM	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	101			%	5	12/27/21	HM	70 - 130 %
% Bromofluorobenzene (5x)	98			%	5	12/27/21	HM	70 - 130 %
% Dibromofluoromethane (5x)	109			%	5	12/27/21	HM	70 - 130 %
% Toluene-d8 (5x)	103			%	5	12/27/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

January 03, 2022

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	11:30
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03366

Project ID: L2168804
Client ID: MW-8

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	

Project ID: L2168804
Client ID: MW-8

Phoenix I.D.: CK03366

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Benzene	0.26	J	0.70	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroform	0.57	J	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,2-Dichloroethene	1.0		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/23/21	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Tetrachloroethene	630		100	25	ug/L	100	12/27/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	1
Toluene	0.27	J	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Trichloroethene	7.4		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	12/23/21	HM	70 - 130 %	
% Bromofluorobenzene	97				%	1	12/23/21	HM	70 - 130 %	
% Dibromofluoromethane	99				%	1	12/23/21	HM	70 - 130 %	

Project ID: L2168804
Client ID: MW-8

Phoenix I.D.: CK03366

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96			%	1	12/23/21	HM	70 - 130 %
% 1,2-dichlorobenzene-d4 (100x)	103			%	100	12/27/21	HM	70 - 130 %
% Bromofluorobenzene (100x)	98			%	100	12/27/21	HM	70 - 130 %
% Dibromofluoromethane (100x)	110			%	100	12/27/21	HM	70 - 130 %
% Toluene-d8 (100x)	100			%	100	12/27/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
January 03, 2022
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	9:25
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03367

Project ID: L2168804
Client ID: MW-10

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Client MS/MSD	Completed					12/22/21			
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/22/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	

Project ID: L2168804
Client ID: MW-10

Phoenix I.D.: CK03367

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
Acetone	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloroform	0.67	J	5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/22/21	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/22/21	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/22/21	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Tetrachloroethene	19		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/22/21	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/22/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/22/21	HM	SW8260C	
Trichloroethene	0.27	J	1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/22/21	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	98				%	1	12/22/21	HM	70 - 130 %	
% Bromofluorobenzene	94				%	1	12/22/21	HM	70 - 130 %	

Project ID: L2168804
Client ID: MW-10

Phoenix I.D.: CK03367

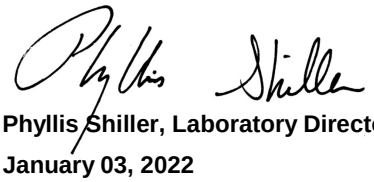
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	105			%	1	12/22/21	HM	70 - 130 %
% Toluene-d8	102			%	1	12/22/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

January 03, 2022

Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	12:40
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03368

Project ID: L2168804
Client ID: FB 121421

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/27/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/27/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/27/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/27/21	HM	SW8260C	

Project ID: L2168804
Client ID: FB 121421

Phoenix I.D.: CK03368

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	3.5	JS	5.0	2.5	ug/L	1	12/27/21	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/27/21	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/27/21	HM	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/27/21	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/27/21	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/27/21	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/27/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/27/21	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/27/21	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/27/21	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/27/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/27/21	HM	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/27/21	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	102				%	1	12/27/21	HM	70 - 130 %	
% Bromofluorobenzene	98				%	1	12/27/21	HM	70 - 130 %	
% Dibromofluoromethane	108				%	1	12/27/21	HM	70 - 130 %	

Ver 1

Project ID: L2168804
Client ID: FB 121421

Phoenix I.D.: CK03368

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	103			%	1	12/27/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director
January 03, 2022
Reviewed and Released by: Sarah Bell, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 03, 2022

FOR: Attn: Heather Hayden
Alpha Analytical Lab
8 Walkup Drive
Westborough, MA 01581

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		12/14/21	
Location Code:	ALPHA	Received by:	CP	12/21/21	14:58
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCK03360
Phoenix ID: CK03369

Project ID: L2168804
Client ID: TB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	12/23/21	HM	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	

Ver 1

Project ID: L2168804
Client ID: TB

Phoenix I.D.: CK03369

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	3.9	JS	5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	12/23/21	HM	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	12/23/21	HM	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	12/23/21	HM	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	12/23/21	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	12/23/21	HM	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	12/23/21	HM	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	12/23/21	HM	70 - 130 %	
% Bromofluorobenzene	97				%	1	12/23/21	HM	70 - 130 %	
% Dibromofluoromethane	98				%	1	12/23/21	HM	70 - 130 %	

Ver 1

Project ID: L2168804
Client ID: TB

Phoenix I.D.: CK03369

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	105			%	1	12/23/21	HM	70 - 130 %

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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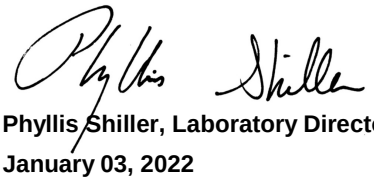

Phyllis Shiller, Laboratory Director
January 03, 2022
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

January 03, 2022

QA/QC Data

SDG I.D.: GCK03360

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 606152 (ug/L), QC Sample No: CJ97947 (CK03364 (5X) , CK03365 (5X) , CK03366 (100X) , CK03368)											
Volatiles - Water											
1,1,1,2-Tetrachloroethane	ND	1.0	70	78	10.8				70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	89	95	6.5				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	81	85	4.8				70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	94	100	6.2				70 - 130	30	
1,1-Dichloroethane	ND	1.0	93	100	7.3				70 - 130	30	
1,1-Dichloroethene	ND	1.0	93	98	5.2				70 - 130	30	
1,1-Dichloropropene	ND	1.0	95	101	6.1				70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	90	96	6.5				70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	86	91	5.6				70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	86	92	6.7				70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	88	94	6.6				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	67	72	7.2				70 - 130	30	I
1,2-Dibromoethane	ND	1.0	91	97	6.4				70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	84	90	6.9				70 - 130	30	
1,2-Dichloroethane	ND	1.0	95	99	4.1				70 - 130	30	
1,2-Dichloropropane	ND	1.0	93	99	6.3				70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	88	94	6.6				70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	85	91	6.8				70 - 130	30	
1,3-Dichloropropane	ND	1.0	94	99	5.2				70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	84	89	5.8				70 - 130	30	
2,2-Dichloropropane	ND	1.0	87	99	12.9				70 - 130	30	
2-Chlorotoluene	ND	1.0	87	92	5.6				70 - 130	30	
2-Hexanone	ND	5.0	97	99	2.0				70 - 130	30	
2-Isopropyltoluene	ND	1.0	86	92	6.7				70 - 130	30	
4-Chlorotoluene	ND	1.0	89	94	5.5				70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	96	99	3.1				70 - 130	30	
Acetone	ND	5.0	90	95	5.4				70 - 130	30	
Acrolein	ND	5.0	104	110	5.6				70 - 130	30	
Acrylonitrile	ND	5.0	87	91	4.5				70 - 130	30	
Benzene	ND	0.70	94	100	6.2				70 - 130	30	
Bromobenzene	ND	1.0	87	93	6.7				70 - 130	30	
Bromochloromethane	ND	1.0	97	100	3.0				70 - 130	30	
Bromodichloromethane	ND	0.50	83	89	7.0				70 - 130	30	
Bromoform	ND	1.0	64	70	9.0				70 - 130	30	I
Bromomethane	ND	1.0	89	97	8.6				70 - 130	30	
Carbon Disulfide	ND	1.0	91	97	6.4				70 - 130	30	
Carbon tetrachloride	ND	1.0	77	84	8.7				70 - 130	30	
Chlorobenzene	ND	1.0	92	98	6.3				70 - 130	30	
Chloroethane	ND	1.0	100	108	7.7				70 - 130	30	
Chloroform	ND	1.0	95	100	5.1				70 - 130	30	
Chloromethane	ND	1.0	99	105	5.9				70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	1.0	94	100	6.2				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	90	96	6.5				70 - 130	30
Dibromochloromethane	ND	0.50	72	76	5.4				70 - 130	30
Dibromomethane	ND	1.0	92	100	8.3				70 - 130	30
Dichlorodifluoromethane	ND	1.0	107	112	4.6				70 - 130	30
Ethylbenzene	ND	1.0	94	100	6.2				70 - 130	30
Hexachlorobutadiene	ND	0.40	86	90	4.5				70 - 130	30
Isopropylbenzene	ND	1.0	87	94	7.7				70 - 130	30
m&p-Xylene	ND	1.0	95	101	6.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	99	99	0.0				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	96	102	6.1				70 - 130	30
Methylene chloride	ND	1.0	84	88	4.7				70 - 130	30
Naphthalene	ND	1.0	91	99	8.4				70 - 130	30
n-Butylbenzene	ND	1.0	89	96	7.6				70 - 130	30
n-Propylbenzene	ND	1.0	87	93	6.7				70 - 130	30
o-Xylene	ND	1.0	95	100	5.1				70 - 130	30
p-Isopropyltoluene	ND	1.0	90	96	6.5				70 - 130	30
sec-Butylbenzene	ND	1.0	89	94	5.5				70 - 130	30
Styrene	ND	1.0	96	102	6.1				70 - 130	30
tert-Butylbenzene	ND	1.0	89	94	5.5				70 - 130	30
Tetrachloroethene	ND	1.0	94	101	7.2				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	103	110	6.6				70 - 130	30
Toluene	ND	1.0	92	96	4.3				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	98	102	4.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	91	98	7.4				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	72	79	9.3				70 - 130	30
Trichloroethene	ND	1.0	93	96	3.2				70 - 130	30
Trichlorofluoromethane	ND	1.0	93	99	6.3				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	82	85	3.6				70 - 130	30
Vinyl chloride	ND	1.0	102	105	2.9				70 - 130	30
% 1,2-dichlorobenzene-d4	104	%	101	101	0.0				70 - 130	30
% Bromofluorobenzene	98	%	106	104	1.9				70 - 130	30
% Dibromofluoromethane	108	%	99	97	2.0				70 - 130	30
% Toluene-d8	100	%	98	98	0.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 606010 (ug/L), QC Sample No: CK03363 (CK03360 (5X) , CK03361 (50X) , CK03362 (50X) , CK03363, CK03364, CK03365, CK03366, CK03369)

Volatiles - Water

1,1,1,2-Tetrachloroethane	ND	1.0	92	101	9.3				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	94	102	8.2				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	89	96	7.6				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	90	98	8.5				70 - 130	30
1,1-Dichloroethane	ND	1.0	89	97	8.6				70 - 130	30
1,1-Dichloroethene	ND	1.0	92	100	8.3				70 - 130	30
1,1-Dichloropropene	ND	1.0	94	104	10.1				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	95	101	6.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	89	98	9.6				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	93	100	7.3				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	94	101	7.2				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	91	95	4.3				70 - 130	30
1,2-Dibromoethane	ND	1.0	91	100	9.4				70 - 130	30

QA/QC Data

SDG I.D.: GCK03360

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichlorobenzene	ND	1.0	89	97	8.6				70 - 130	30
1,2-Dichloroethane	ND	1.0	89	95	6.5				70 - 130	30
1,2-Dichloropropane	ND	1.0	89	97	8.6				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	94	103	9.1				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	91	98	7.4				70 - 130	30
1,3-Dichloropropane	ND	1.0	92	98	6.3				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	89	96	7.6				70 - 130	30
2,2-Dichloropropane	ND	1.0	94	100	6.2				70 - 130	30
2-Chlorotoluene	ND	1.0	92	101	9.3				70 - 130	30
2-Hexanone	ND	5.0	92	98	6.3				70 - 130	30
2-Isopropyltoluene	ND	1.0	91	100	9.4				70 - 130	30
4-Chlorotoluene	ND	1.0	93	100	7.3				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	91	98	7.4				70 - 130	30
Acetone	ND	5.0	86	96	11.0				70 - 130	30
Acrolein	ND	5.0	112	122	8.5				70 - 130	30
Acrylonitrile	ND	5.0	84	92	9.1				70 - 130	30
Benzene	ND	0.70	89	97	8.6				70 - 130	30
Bromobenzene	ND	1.0	92	100	8.3				70 - 130	30
Bromochloromethane	ND	1.0	93	101	8.2				70 - 130	30
Bromodichloromethane	ND	0.50	91	98	7.4				70 - 130	30
Bromoform	ND	1.0	95	100	5.1				70 - 130	30
Bromomethane	ND	1.0	91	103	12.4				70 - 130	30
Carbon Disulfide	ND	1.0	88	96	8.7				70 - 130	30
Carbon tetrachloride	ND	1.0	94	105	11.1				70 - 130	30
Chlorobenzene	ND	1.0	90	99	9.5				70 - 130	30
Chloroethane	ND	1.0	93	105	12.1				70 - 130	30
Chloroform	ND	1.0	90	98	8.5				70 - 130	30
Chloromethane	ND	1.0	95	104	9.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	91	101	10.4				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	91	98	7.4				70 - 130	30
Dibromochloromethane	ND	0.50	96	103	7.0				70 - 130	30
Dibromomethane	ND	1.0	92	97	5.3				70 - 130	30
Dichlorodifluoromethane	ND	1.0	113	124	9.3				70 - 130	30
Ethylbenzene	ND	1.0	93	103	10.2				70 - 130	30
Hexachlorobutadiene	ND	0.40	94	102	8.2				70 - 130	30
Isopropylbenzene	ND	1.0	95	103	8.1				70 - 130	30
m&p-Xylene	ND	1.0	93	103	10.2				70 - 130	30
Methyl ethyl ketone	ND	5.0	94	99	5.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	92	97	5.3				70 - 130	30
Methylene chloride	ND	1.0	82	88	7.1				70 - 130	30
Naphthalene	ND	1.0	94	102	8.2				70 - 130	30
n-Butylbenzene	ND	1.0	97	106	8.9				70 - 130	30
n-Propylbenzene	ND	1.0	92	101	9.3				70 - 130	30
o-Xylene	ND	1.0	93	99	6.3				70 - 130	30
p-Isopropyltoluene	ND	1.0	95	105	10.0				70 - 130	30
sec-Butylbenzene	ND	1.0	95	103	8.1				70 - 130	30
Styrene	ND	1.0	95	102	7.1				70 - 130	30
tert-Butylbenzene	ND	1.0	95	104	9.0				70 - 130	30
Tetrachloroethene	ND	1.0	92	100	8.3				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	98	106	7.8				70 - 130	30
Toluene	ND	1.0	92	99	7.3				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	93	101	8.2				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	94	101	7.2				70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
trans-1,4-dichloro-2-butene	ND	5.0	98	106	7.8				70 - 130	30	
Trichloroethene	ND	1.0	90	96	6.5				70 - 130	30	
Trichlorofluoromethane	ND	1.0	101	109	7.6				70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	88	93	5.5				70 - 130	30	
Vinyl chloride	ND	1.0	102	111	8.5				70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	100	99	1.0				70 - 130	30	
% Bromofluorobenzene	97	%	100	100	0.0				70 - 130	30	
% Dibromofluoromethane	103	%	101	98	3.0				70 - 130	30	
% Toluene-d8	101	%	99	100	1.0				70 - 130	30	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 605864 (ug/L), QC Sample No: CK03367 (CK03360, CK03361, CK03362, CK03367)

Volatiles - Water

1,1,1,2-Tetrachloroethane	ND	1.0	122	131	7.1	122			70 - 130	30	I
1,1,1-Trichloroethane	ND	1.0	109	116	6.2	110			70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	97	100	3.0	95			70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	98	99	1.0	93			70 - 130	30	
1,1-Dichloroethane	ND	1.0	109	115	5.4	104			70 - 130	30	
1,1-Dichloroethene	ND	1.0	111	115	3.5	107			70 - 130	30	
1,1-Dichloropropene	ND	1.0	104	110	5.6	103			70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	97	102	5.0	92			70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	94	94	0.0	93			70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	100	102	2.0	93			70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	99	106	6.8	96			70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	117	121	3.4	119			70 - 130	30	
1,2-Dibromoethane	ND	1.0	100	105	4.9	99			70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	97	99	2.0	93			70 - 130	30	
1,2-Dichloroethane	ND	1.0	100	103	3.0	99			70 - 130	30	
1,2-Dichloropropane	ND	1.0	101	103	2.0	98			70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	104	106	1.9	97			70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	99	102	3.0	94			70 - 130	30	
1,3-Dichloropropane	ND	1.0	100	105	4.9	99			70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	97	101	4.0	90			70 - 130	30	
2,2-Dichloropropane	ND	1.0	111	115	3.5	104			70 - 130	30	
2-Chlorotoluene	ND	1.0	101	104	2.9	95			70 - 130	30	
2-Hexanone	ND	5.0	87	88	1.1	98			70 - 130	30	
2-Isopropyltoluene	ND	1.0	100	104	3.9	94			70 - 130	30	
4-Chlorotoluene	ND	1.0	102	105	2.9	94			70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	94	92	2.2	97			70 - 130	30	
Acetone	ND	5.0	97	99	2.0	97			70 - 130	30	
Acrolein	ND	5.0	134	134	0.0	126			70 - 130	30	I
Acrylonitrile	ND	5.0	98	100	2.0	93			70 - 130	30	
Benzene	ND	0.70	102	107	4.8	99			70 - 130	30	
Bromobenzene	ND	1.0	100	103	3.0	92			70 - 130	30	
Bromochloromethane	ND	1.0	108	108	0.0	101			70 - 130	30	
Bromodichloromethane	ND	0.50	109	114	4.5	106			70 - 130	30	
Bromoform	ND	1.0	133	137	3.0	137			70 - 130	30	I,m
Bromomethane	ND	1.0	113	123	8.5	89			70 - 130	30	
Carbon Disulfide	ND	1.0	103	110	6.6	98			70 - 130	30	
Carbon tetrachloride	ND	1.0	126	137	8.4	130			70 - 130	30	I
Chlorobenzene	ND	1.0	98	103	5.0	94			70 - 130	30	
Chloroethane	ND	1.0	119	129	8.1	113			70 - 130	30	

QA/QC Data

SDG I.D.: GCK03360

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chloroform	ND	1.0	106	110	3.7	100			70 - 130	30
Chloromethane	ND	1.0	106	113	6.4	103			70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	109	114	4.5	103			70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	105	109	3.7	101			70 - 130	30
Dibromochloromethane	ND	0.50	121	130	7.2	123			70 - 130	30
Dibromomethane	ND	1.0	101	104	2.9	98			70 - 130	30
Dichlorodifluoromethane	ND	1.0	113	118	4.3	102			70 - 130	30
Ethylbenzene	ND	1.0	101	107	5.8	100			70 - 130	30
Hexachlorobutadiene	ND	0.40	100	101	1.0	89			70 - 130	30
Isopropylbenzene	ND	1.0	104	110	5.6	101			70 - 130	30
m&p-Xylene	ND	1.0	101	107	5.8	100			70 - 130	30
Methyl ethyl ketone	ND	5.0	98	96	2.1	98			70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	105	109	3.7	103			70 - 130	30
Methylene chloride	ND	1.0	103	105	1.9	92			70 - 130	30
Naphthalene	ND	1.0	94	98	4.2	94			70 - 130	30
n-Butylbenzene	ND	1.0	104	108	3.8	99			70 - 130	30
n-Propylbenzene	ND	1.0	102	106	3.8	96			70 - 130	30
o-Xylene	ND	1.0	100	105	4.9	97			70 - 130	30
p-Isopropyltoluene	ND	1.0	103	108	4.7	97			70 - 130	30
sec-Butylbenzene	ND	1.0	104	109	4.7	97			70 - 130	30
Styrene	ND	1.0	103	108	4.7	101			70 - 130	30
tert-Butylbenzene	ND	1.0	102	108	5.7	98			70 - 130	30
Tetrachloroethene	ND	1.0	100	106	5.8	NC			70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	111	111	0.0	110			70 - 130	30
Toluene	ND	1.0	102	113	10.2	100			70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	109	115	5.4	103			70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	105	108	2.8	103			70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	122	124	1.6	119			70 - 130	30
Trichloroethene	ND	1.0	100	108	7.7	98			70 - 130	30
Trichlorofluoromethane	ND	1.0	112	118	5.2	111			70 - 130	30
Trichlorotrifluoroethane	ND	1.0	103	108	4.7	94			70 - 130	30
Vinyl chloride	ND	1.0	111	118	6.1	107			70 - 130	30
% 1,2-dichlorobenzene-d4	97	%	97	95	2.1	98			70 - 130	30
% Bromofluorobenzene	96	%	98	100	2.0	100			70 - 130	30
% Dibromofluoromethane	105	%	104	104	0.0	103			70 - 130	30
% Toluene-d8	104	%	102	107	4.8	102			70 - 130	30

Comment:

The MSD is not reported for this batch.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
January 03, 2022

Monday, January 03, 2022

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCK03360 - ALPHA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

January 03, 2022

SDG I.D.: GCK03360

The samples in this delivery group were received at 4.7°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

4.7° WLIC

Subcontract Chain of Custody

Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040

Alpha Job Number
L2168804

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 201.299.4429 Email: hhayden@alphalab.com	Project Location: NY Project Manager: Heather Hayden **Turnaround & Deliverables Information** Due Date: Deliverables:	State/Federal Program: Regulatory Criteria:

Project Specific Requirements and/or Report Requirements

Reference following Alpha Job Number on final report/deliverables: L2168804

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com Cat B Package, Excel, Equis

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	MW-1 03360	12-14-21 11:36	WATER	8260	
	MW-2A 03361	12-14-21 09:51	WATER	8260	
	MW-XX 03362	12-14-21 09:51	WATER	8260	
	MW-4 03363	12-14-21 11:00	WATER	8260	
	MW-6 03364	12-14-21 10:20	WATER	8260	
	MW-7 03365	12-14-21 12:10	WATER	8260	
	MW-8 03366	12-14-21 11:30	WATER	8260	
	MW-10 03367	12-14-21 09:25	WATER	8260	MS;MSD
	FB 121421 03368	12-14-21 12:40	WATER	8260	

9 VOAs.

Rad 3 VOAs per sample.

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	[signature] 12/21/21	11:35	W Hamedi AAC	12/21/21 11:35
	W Hamedi AAC	12/21/21 11:35	[signature]	12/21/21 14:58

Form No: AL_subcoc

4.7° wed

ALPHA ANALYTICAL
World Class Chemistry

Subcontract Chain of Custody

Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040

Alpha Job Number
L2168804

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 201.299.4429 Email: hhayden@alphalab.com	Project Location: NY Project Manager: Heather Hayden **Turnaround & Deliverables Information** Due Date: Deliverables:	State/Federal Program: Regulatory Criteria:

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Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com Cat B Package, Excel, Equis

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
03369	TB	12-14-21 00:00	WATER	8260	
				TB not wanted.	

Relinquished By:	Date/Time:	Received By:	Date/Time:
not received 12/21/21	11:35	W. [illegible] AAL	12/21/21 11:33
W. [illegible] AAL	12/21/21 14:35	[illegible]	12/21/21 14:58

Form No: AL_subcoc

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC ANALYSIS
VOLATILES BY GC/MS METHOD 8260C

For Groundwater Samples Collected
December 14, 2021
From 3100 Third Avenue, Bronx, NY
Cornerstone 2nd Half 2021
Collected by CA Rich Consultants, Inc.

SAMPLE DELIVERY GROUP NUMBER:
GCK03360
BY PHOENIX ENVIRONMENTAL LABORATORIES, INC. (ELAP #NY11301)

SUBMITTED TO:

Mr. Jason Cooper
CA Rich Consultants, Inc.
17 Dupont Street
Plainview, NY 11803

January 22, 2022

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731

Lori A. Beyer

(516) 523-7891; email LABValidation@aol.com

Cornerstone 2nd Half 2021, 3100 Third Avenue, Bronx, NY
Groundwater Samples; December 2021 Sampling Event
Data Usability Summary Report (Data Validation): Volatile Organics by GCMS Method 8260C.

Table of Contents:

Introduction:

A validation was performed on groundwater samples and the associated quality control samples (MS/MSD/Field Duplicate) for organic analysis for samples collected under chain of custody documentation by CA Rich Consultants and submitted to Alpha Analytical for subsequent analysis. Alpha Analytical provided the samples for analysis to Phoenix Environmental. This report contains the laboratory and validation results for the field samples itemized below. The groundwater samples were collected on December 14, 2021.

The samples were analyzed by Phoenix Environmental, utilizing SW846 Methods and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing consisted of the full analyte list for Volatile Organics. The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic Data Review and EPA Region II SOP HW-24 Revision 4 for 8260C and in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following samples:

Sample Identification	Laboratory Identification	Sample Matrix	Date Collected	Date Received at Phoenix
MW-1	CK03360	Groundwater	12/14/2021	12/21/2021
MW-2A	CK03361	Groundwater	12/14/2021	12/21/2021
MW-XX [Field Duplicate of MW-2A]	CK03362	Groundwater	12/14/2021	12/21/2021
MW-4	CK03363	Groundwater	12/14/2021	12/21/2021
MW-6	CK03364	Groundwater	12/14/2021	12/21/2021
MW-7	CK03365	Groundwater	12/14/2021	12/21/2021
MW-8	CK03366	Groundwater	12/14/2021	12/21/2021
MW-10 [Plus, MS/MSD]	CK03367	Groundwater	12/14/2021	12/21/2021
FB 121421	CK03368	Aqueous	12/14/2021	12/21/2021
TB	CK03369	Aqueous	12/14/2021	12/21/2021

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

J+ - The result is an estimated quantity, but the result may be biased high.

J- - The result is an estimated quantity, but the result may be biased low.

D - Analyte concentration is from diluted analysis.

Sample Receipt:
The initial chain of custody document provided to Alpha Analytical was not provided in the lab report. The subcontract chain of custody documents indicate that the samples were received at Phoenix Environmental Laboratories on 12/21/21. The cooler temperature for samples was recorded upon receipt at Phoenix and determined to be acceptable (<6.0 degrees C). The actual temperature of 4.7 degrees C is recorded on the "NY temperature narration" provided in the lab report. No problems and/or discrepancies were noted, consequently, the integrity of the field samples has been assumed to be good.

The data summary Form I's included in Appendix C includes all usable (qualified) and unusable (rejected) results for the samples identified above. The Form I's summarize the detailed narrative section of the report.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260C

The following method criteria were reviewed: holding times, SMCs/Surrogates, MS, MSD, LCS, Laboratory Spiked Blanks, Field Duplicates, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results are valid and useable as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "UJ", or unusable, "R", if the holding times are grossly exceeded.

Samples were analyzed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection to analysis for HCL preserved as required. No data validation qualifiers were required based upon holding time.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specifications, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) for Dibromofluoromethane, 1,2-Dichloroethane-d4, Toluene-d8 and 4-Bromofluorobenzene were found to be within acceptable limits (70-130%) for surrogate compounds for all samples.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Site-specific MS/MSD was submitted on MW-10. MS recovery values for Bromoform (137%) was above in-house laboratory limits of 70-130%. Bromoform was not detected in the parent sample. Elevated recovery does not support any potential loss of detection and/or result bias. No qualifiers were applied. MSD analysis was not performed and therefore RPD could not be determined.

1.4 Laboratory Control Sample/Laboratory Control Duplicates

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/LCS Duplicate recovery values fell within acceptance limits for all analytes with exceptions noted below:

LCS/LCS Duplicate associated with FB 121421 and diluted reanalysis of MW-6, MW-7 and MW-8 yielded Bromoform (64%) and 1,2-Dibromo-3-chloropropane (67%) below limits. Non-detects in FB 121421 have been qualified, "UJ." No qualifiers were required for dilutions on MW-6, MW-7 and MW-8 since only Tetrachloroethene is applicable for diluted reruns since initial values were over the instrument high calibration range (30 ug/L).

LCS/LCS Duplicate associated with MW-10, MW-1, MW-2A and MW-XX yielded Acrolein (134%/134%), Carbon Tetrachloride (137%), Bromoform (133%/137%) and 1,1,1,2-Tetrachloroethane (131%) above limits in the LCS and/or LCS Duplicate. These target analytes were not detected in field samples. No qualifiers were applied.

1.5 Blank Contamination

Quality assurance (QA) blanks, i.e., method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>/= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	</= CRQL*	Report CRQL value with a U
		>/=CRQL* and </= blank concentration	Report blank value for sample concentration with a U
		>/= CRQL* and > blank concentration	No qualification required
	=CRQL*	</= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone, and acetone.
**4x the CRQL for methylene chloride, 2-butanone, and acetone
***Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) Method Blank Contamination:
No target analytes were detected in the method blanks.

B) Field Blank Contamination:
Acetone was detected at 3.5 ug/L in FB 121421. The laboratory reported concentration of this common laboratory contaminant was detected in MW-7 at 3.2 ug/L and was subsequently negated, "U" during the review.

C) Trip Blank Contamination:
Acetone was detected in TB at 3.9 ug/L. The laboratory reported detection of this target compound was negated in MW-7 as discussed above.

1.6 GC/MS Instrument Performance Check
Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses.

1.7 Initial and Continuing Calibrations
Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can produce acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance. Initial calibration verifications were acceptable.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R". Method 8260C allows for a minimum response factor of 0.1 for Acetone and 2-Butanone. Validation criteria allows response factor to be /=>0.01 for poor responders (Acetone, MEK, Carbon Disulfide, Chloroethane, Chloromethane, Cyclohexane, 1,2-Dibromoethane, Dichlorodifluoromethane, cis-1,2-Dichloroethene, 1,2-Dichloropropane, 1,2-Dibromo-3-chloropropane, Isopropylbenzene, Methyl Acetate, Methylene Chloride, Methylcyclohexane, MTBE, trans-1,2-Dichloroethene, 4-Methyl-2-Pentanone, 2-Hexanone, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane.

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05) and (>/= 0.01 for poor responders) and minimum response criteria in Table 4 of Method 8260C, for the initial and continuing calibrations for all reported analytes.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of

the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <20% and %D must be <20%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >20% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Closing CCV must meet 30% criteria. Poor responders must be </= 40%. ICV met acceptance criteria.

*Method 8260C allows for several analytes to be outside requirements due to the large number of compounds.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) and (40% for poor responders) for all reported compounds with exceptions noted below:

ICAL 12/17/2021 – Tetrahydrofuran (23.7%), trans-1,4-Dichloro-2-butene (33.1%) have been qualified, "UJ" in MW-10, MW-1, MW-2A and MW-XX. 1,2-Dibromo-3-chloropropane (29.7%) was above laboratory reported criteria of 20% but below 40%. Data for this analyte was not qualified.

ICAL 12/22/2021 – Methylene Chloride (21.9%) was above laboratory reported criteria but below 40% in the ICAL associated with MW-4, MW-6, MW-7, MW-8 and TB. No qualifiers were applied.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (20%) and (40% for poor responders) for all reported compounds except for:

CCAL 12/27/2021 – Carbon Tetrachloride (21.1%), Dibromochloromethane (31.2%), 1,1,1,2-Tetrachloroethane (32.6%), Bromoform (37.4%) and trans-1,4-Dichloro-2-butene (27.7%) have been qualified, "UJ" in the Trip Blank (TB). Additionally, 1,2-Dibromo-3-chloropropane (34.1%) was above criteria of 20% but below 40%. This analyte was not qualified.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using
that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

Samples were spiked with the internal standards Pentafluorobenzene, Chlorobenzene-d5, 1,4-Difluorobenzene and 1,4-Dichlorobenzene-d4 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. For water samples an acceptable RPD is 25%. Groundwater sample MW-2A was collected as a blind duplicate, a summary of positive detections is summarized below:

	MW-2A	MW-XX
Trans-1,2-Dichloroethene	0.69 ug/L	0.73 ug/L
Cis-1,2-Dichloroethene	3.6 ug/L	3.5 ug/L
Chloroform	0.37 ug/L	0.49 ug/L
Trichloroethene	4.9 ug/L	4.7 ug/L
Tetrachloroethene	400 ug/L	420 ug/L

Acceptable reproducibility was obtained for detected analytes. No qualifications to the data were required based on field duplicate analysis.

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards per SW846, response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Samples were initially analyzed undiluted. Diluted reanalysis was required for MW-1 (1:5), MW-2A (1:50), MW-XX (1:50), MW-6 (1:5), MW-7 (1:5) and MW-8 (1:100) since raw concentrations for Tetrachloroethene were above the high calibration limit (30 ug/L). Initial results, qualified, "E" by the laboratory should not be used and the diluted values, qualified, "D" should be used. Dilutions were determined to be acceptable based on target analyte Tetrachloroethene raw concentrations.

1.12 Overall System Performance

Good resolution and chromatographic performance were observed. Raw data was reviewed and confirmed that no carryover exists for any analysis conducted with this data set.

Tentatively Identified Compounds (TICs) were not generated and therefore not evaluated.

Reviewer's Signature Lou A Bly **Date** 01/22/2022

Appendix A
Chain of Custody Documents

4.7: WLL4

Subcontract Chain of Custody

Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040

Alpha Job Number
L2168804

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 201.299.4429 Email: hhayden@alphalab.com	Project Location: NY Project Manager: Heather Hayden **Turnaround & Deliverables Information** Due Date: Deliverables:	State/Federal Program: Regulatory Criteria:

Project Specific Requirements and/or Report Requirements

Reference following Alpha Job Number on final report/deliverables: L2168804

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com Cat B Package, Excel, Equis

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	MW-1 03360	12-14-21 11:36	WATER	8260	
	MW-2A 03361	12-14-21 09:51	WATER	8260	
	MW-XX 03362	12-14-21 09:51	WATER	8260	
	MW-4 03363	12-14-21 11:00	WATER	8260	
	MW-6 03364	12-14-21 10:20	WATER	8260	
	MW-7 03365	12-14-21 12:10	WATER	8260	
	MW-8 03366	12-14-21 11:30	WATER	8260	
	MW-10 03367	12-14-21 09:25	WATER	8260	MS;MSD
	FB 121421 03368	12-14-21 12:40	WATER	8260	

9 VOAs.

Red 3 VOAs per sample.

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	[illegible] 12/21/21	11:35	W Daniele AAL	12/21/21 11:35
	W Daniele AAL	12/21/21 14:35	[illegible]	12/21/21 14:58

Form No: AL_subcoc

4.7° wild

Subcontract Chain of Custody

Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040

Alpha Job Number
L2168804

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 201.299.4429 Email: hhayden@alphalab.com	Project Location: NY Project Manager: Heather Hayden Turnaround & Deliverables Information Due Date: Deliverables:	State/Federal Program: Regulatory Criteria:

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Reference following Alpha Job Number on final report/deliverables: L2168804

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com Cat B Package, Excel, Equis

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
03369	TB	12-14-21 00:00	WATER	8260 TBnA wrapped.	

Relinquished By:	Date/Time:	Received By:	Date/Time:
not analyzed 12/21/21	11:35	W Hanselli AA	12/21/21 11:35
W Hanselli AA	12/21/21 14:35		12/21/21 14:58

Form No: AL_subcoc

Appendix B
Case Narrative

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCK03360

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: L2168804, Alpha Analytical Lab

Form 1 (Analysis):

No observations noted.

Form 2 (Surrogates):

All surrogates met criteria with the following exceptions: None.

Form 3 (Laboratory Control/Matrix Spike):

Sample: CK03367 LCS
All LCS recoveries met criteria with the following exceptions: Acrolein 134%, Bromoform 133%
All LCSD recoveries met criteria with the following exceptions: Acrolein 134%, Carbon Tetrachloride 137%, 1,1,1,2-Tetrachloroethane 131%, Bromoform 137%
All LCS/LCSD RPDs met criteria with the following exceptions: None.

Sample: CK03367 MS
All MS recoveries met criteria with the following exceptions: Bromoform 137%
All MSD recoveries met criteria with the following exceptions: None.
All MS/MSD RPDs met criteria with the following exceptions: None.

Sample: CK03363 LCS
All LCS recoveries met criteria with the following exceptions: None.
All LCSD recoveries met criteria with the following exceptions: None.
All LCS/LCSD RPDs met criteria with the following exceptions: None.

Sample: CJ97947 LCS
All LCS recoveries met criteria with the following exceptions: Bromoform 64%, 1,2-Dibromo-3-Chloropropane 67%
All LCSD recoveries met criteria with the following exceptions: None.
All LCS/LCSD RPDs met criteria with the following exceptions: None.

Form 4 (Method Blank):

File: CHEM15 1222_06.D
All compounds were non-detect with the following exceptions: None.

File: CHEM15 1223_07.D
All compounds were non-detect with the following exceptions: None.

File: CHEM15 1227_20.D
All compounds were non-detect with the following exceptions: None.

Form 5 (Tune):

File: CHEM15 1217_05.D
All Tune criteria was met with the following exceptions: None.

File: CHEM15 1222_02.D
All Tune criteria was met with the following exceptions: None.

JAR 1/22/22

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCK03360

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: L2168804, Alpha Analytical Lab

File: CHEM15 1222_34.D
All Tune criteria was met with the following exceptions: None.

File: CHEM15 1223_02.D
All Tune criteria was met with the following exceptions: None.

File: CHEM15 1227_05.D
All Tune criteria was met with the following exceptions: None.

Form 6 (Initial Calibration):

Calibration: CHEM15 12/17/21 - 12/17/21
94% of method compounds met criteria.
The following compounds did not meet % deviation criteria: Tetrahydrofuran (THF) 23.7% (20) , Dibromochloromethane 20.8% (20) , Bromoform 26.5% (20) , trans-1,4-Dichloro-2-butene 33.1% (20) , 1,2-Dibromo-3-Chloropropane 29.7% (20)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: Bromoform 0.088 (0.1)
The following compounds did not meet minimum response factors: None.

Calibration: CHEM15 12/22/21 - 12/23/21
99% of method compounds met criteria.
The following compounds did not meet % deviation criteria: Methylene Chloride 21.9% (20)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

Form 7 (Continuing Calibration):

File: CHEM15 1222_02.D (Opening)
100% of method compounds met criteria.
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

File: CHEM15 1222_29.D (Closing)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet minimum response factors: None.

File: CHEM15 1223_02.D (Opening)
100% of method compounds met criteria.
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

File: CHEM15 1223_27.D (Closing)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet minimum response factors: None.

for 1/22/22

PHOENIX
Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG: GCK03360

Volatile Water Conformance / Non-Conformance Summary

Project ID / Client ID: L2168804, Alpha Analytical Lab

File: CHEM15 1227_05.D (Opening)
93% of method compounds met criteria.
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
The following compounds did not meet % deviation criteria: Carbon Tetrachloride 21.1% (20) , Dibromochloromethane 31.2% (20) , 1,1,1,2-Tetrachloroethane 32.6% (20) , Bromoform 37.4% (20) , trans-1,4-Dichloro-2-butene 27.7% (20) , 1,2-Dibromo-3-Chloropropane 34.1% (20)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: Bromoform 0.082 (0.1)
The following compounds did not meet minimum response factors: None.

File: CHEM15 1227_28.D (Closing)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet minimum response factors: None.

Form 8 (Internal Standard and Retention Time):

File: CHEM15 - VOA15-121721a.M / 1217_08.D
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM15 - VOA15-121721a.M / 1222_02.D
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM15 - VOA15-122221P.M / 1222_37.D
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM15 - VOA15-122221P.M / 1223_02.D
All samples met internal standard area and retention time critieria with the following exceptions: None.

File: CHEM15 - VOA15-122221P.M / 1227_05.D
All samples met internal standard area and retention time critieria with the following exceptions: None.

01/07/22

Alejandro Paredes
Project Manager

for 1/12/22

Appendix C
Validated Form I's
with Qualifications

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-1

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03360

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1222_23.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/22/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 a 5

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	~~U~~ UJ	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	0.27	J	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	29 ~~3T~~	~~E~~ D	0.25	1.0	
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

JQT 11/22/22

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-1

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03360

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1222_23.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/22/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 a 5

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	~~U~~ UJ	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 12/22/21

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-2A

Client: ALPHA | Lab: Phoenix Env. Labs

SDG No.: GCK03360 | Lab Sample ID: CK03361

Sample wt/vol: 5 (g/mL) mL | Lab File ID: 1222_24.D

Level: (low/med/meth): Low | Date Received: 12/21/21

% Moisture: n.a. | Date Analyzed: 12/22/21

Instrument: CHEM15 Column: RTX-VMS | Dilution Factor: 1 ~~4~~ 50

Purge Volume 5000 (uL) pH: < 2 | Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	0.69	J	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	3.6		0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	0.37	J	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	~~U~~ UJ	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	4.9		0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene 400	~~370~~	~~E~~ D	0.25	1.0	
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 1/12/22

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-2A

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03361

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1222_24.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/22/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 a 50

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	~~U~~ UJ	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 1/27/22

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-XX MW-2A

Client: ALPHA | Lab: Phoenix Env. Labs

SDG No.: GCK03360 | Lab Sample ID: CK03362

Sample wt/vol: 5 (g/mL) mL | Lab File ID: 1222_25.D

Level: (low/med/meth): Low | Date Received: 12/21/21

% Moisture: n.a. | Date Analyzed: 12/22/21

Instrument: CHEM15 Column: RTX-VMS | Dilution Factor: 1 * 50

Purge Volume 5000 (uL) pH: < 2 | Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water | CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	0.73	J	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	3.5		0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	0.49	J	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	~~U~~ UJ	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	4.7		0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene 420	~~440~~	~~E~~ D	0.25	1.0	
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 11/22/22

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-XX MW-2A

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03362

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1222_25.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/22/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 x 50

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	~~U~~ UJ	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 1/12/22

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-4

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03363

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_17.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	13		0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-4

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03363

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_17.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-6

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03364

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_18.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 R S

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	0.38	J	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	0.86	J	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	~~55~~ 57	~~E~~ D	0.25	1.0	
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 1/22/22

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-6

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03364

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_18.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 Q5

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1/22/22

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-7

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03365

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_19.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 ~~1~~ 5

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone 5.0	~~3.2~~	~~J~~	U 2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	20		0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	0.27	J	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	2.6		0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene 42	~~46~~	~~E~~	D 0.25	1.0	
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1/12/22

1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-7

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03365

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_19.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 a 5

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 1/27/22

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-8

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03366

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_20.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 d100

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0		0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	0.57	J	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.26	J	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	7.4		0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	0.27	J	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene 630	~~590~~	~~E~~ D	0.25	1.0	
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 11/22/22

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-8

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03366

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_20.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1 d10

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 1/24/22

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

MW-10

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03367

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1222_22.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/22/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	5.0	U	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	0.67	J	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	~~U~~ UJ	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	0.27	J	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	19		0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for IIMW

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: MW-10

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03367

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1222_22.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/22/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	U	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	~~U~~ UJ	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

SDT 1/24/22

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: FB 121421

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03368

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1227_22.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/27/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	3.5	J~~B~~	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	U	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

for 1/12/22

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID: FB 121421

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03368

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1227_22.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/27/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	U	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	~~U~~ UJ	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	U	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	~~U~~ UJ	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

LG 1/12/22

1

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03369

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_22.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
75-71-8	Dichlorodifluoromethane	1.0	U	0.25	1.0	r
74-87-3	Chloromethane	5.0	U	0.25	5.0	r
75-01-4	Vinyl Chloride	1.0	U	0.25	1.0	r
74-83-9	Bromomethane	5.0	U	0.25	5.0	r
75-00-3	Chloroethane	5.0	U	0.25	5.0	r
75-69-4	Trichlorofluoromethane	1.0	U	0.25	1.0	r
75-35-4	1,1-Dichloroethene	1.0	U	0.25	1.0	r
76-13-1	Trichlorotrifluoroethane	1.0	U	0.25	1.0	r
75-15-0	Carbon Disulfide	1.0	U	0.25	1.0	r
107-02-8	Acrolein	5.0	U	2.5	5.0	r
75-09-2	Methylene Chloride	3.0	U	1.0	3.0	r
67-64-1	Acetone	3.9	J~~B~~	2.5	5.0	r
156-60-5	Trans-1,2-Dichloroethene	5.0	U	0.25	5.0	r
1634-04-4	Methyl t-Butyl Ether (MTBE)	1.0	U	0.25	1.0	r
75-34-3	1,1-Dichloroethane	5.0	U	0.25	5.0	r
107-13-1	Acrylonitrile	5.0	U	2.5	5.0	r
156-59-2	Cis-1,2-Dichloroethene	1.0	U	0.25	1.0	r
594-20-7	2,2-Dichloropropane	1.0	U	0.25	1.0	r
74-97-5	Bromochloromethane	1.0	U	0.25	1.0	r
67-66-3	Chloroform	5.0	U	0.25	5.0	r
56-23-5	Carbon Tetrachloride	1.0	~~U~~ UJ	0.25	1.0	r
109-99-9	Tetrahydrofuran (THF)	5.0	U	2.5	5.0	r
71-55-6	1,1,1-Trichloroethane	5.0	U	0.25	5.0	r
78-93-3	Methyl Ethyl Ketone	2.5	U	2.5	2.5	r
563-58-6	1,1-Dichloropropene	1.0	U	0.25	1.0	r
71-43-2	Benzene	0.70	U	0.25	0.70	r
107-06-2	1,2-Dichloroethane	0.60	U	0.50	0.60	r
79-01-6	Trichloroethene	1.0	U	0.25	1.0	r
74-95-3	Dibromomethane	1.0	U	0.25	1.0	r
78-87-5	1,2-dichloropropane	1.0	U	0.25	1.0	r
75-27-4	Bromodichloromethane	1.0	U	0.25	1.0	r
10061-01-5	cis-1,3-Dichloropropene	0.40	U	0.25	0.40	r
108-88-3	Toluene	1.0	U	0.25	1.0	r
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.5	2.5	r
127-18-4	Tetrachloroethene	1.0	U	0.25	1.0	r
10061-02-6	trans-1,3-Dichloropropene	0.40	U	0.25	0.40	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

CLIENT ID

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB

Client: ALPHA Lab: Phoenix Env. Labs

SDG No.: GCK03360 Lab Sample ID: CK03369

Sample wt/vol: 5 (g/mL) mL Lab File ID: 1223_22.D

Level: (low/med/meth): Low Date Received: 12/21/21

% Moisture: n.a. Date Analyzed: 12/23/21

Instrument: CHEM15 Column: RTX-VMS Dilution Factor: 1

Purge Volume 5000 (uL) pH: < 2 Soil Aliquot Vol: n.a. (uL)

Matrix: (soil/water) Water CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NO.	COMPOUND	CONC.	Q	MDL/LOD	RL/PQL	R
79-00-5	1,1,2-Trichloroethane	1.0	U	0.25	1.0	r
124-48-1	Dibromochloromethane	1.0	~~U~~ UJ	0.25	1.0	r
142-28-9	1,3-Dichloropropane	1.0	U	0.25	1.0	r
106-93-4	1,2-Dibromoethane	1.0	U	0.25	1.0	r
591-78-6	2-Hexanone	2.5	U	2.5	2.5	r
108-90-7	Chlorobenzene	5.0	U	0.25	5.0	r
100-41-4	Ethylbenzene	1.0	U	0.25	1.0	r
630-20-6	1,1,1,2-Tetrachloroethane	1.0	~~U~~ UJ	0.25	1.0	r
179601-23-1	m&p-Xylene	1.0	U	0.25	1.0	r
95-47-6	o-Xylene	1.0	U	0.25	1.0	r
100-42-5	Styrene	1.0	U	0.25	1.0	r
75-25-2	Bromoform	5.0	~~U~~ UJ	0.25	5.0	r
98-82-8	Isopropylbenzene	1.0	U	0.25	1.0	r
108-86-1	Bromobenzene	1.0	U	0.25	1.0	r
103-65-1	n-Propylbenzene	1.0	U	0.25	1.0	r
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.25	1.0	r
95-49-8	2-Chlorotoluene	1.0	U	0.25	1.0	r
108-67-8	1,3,5-Trimethylbenzene	1.0	U	0.25	1.0	r
96-18-4	1,2,3-Trichloropropane	1.0	U	0.25	1.0	r
110-57-6	trans-1,4-Dichloro-2-butene	2.5	~~U~~ UJ	2.5	2.5	r
106-43-4	4-Chlorotoluene	1.0	U	0.25	1.0	r
98-06-6	tert-Butylbenzene	1.0	U	0.25	1.0	r
95-63-6	1,2,4-Trimethylbenzene	1.0	U	0.25	1.0	r
135-98-8	sec-Butylbenzene	1.0	U	0.25	1.0	r
99-87-6	p-Isopropyltoluene	1.0	U	0.25	1.0	r
541-73-1	1,3-Dichlorobenzene	1.0	U	0.25	1.0	r
106-46-7	1,4-Dichlorobenzene	1.0	U	0.25	1.0	r
527-84-4	2-Isopropyltoluene	1.0	U	0.25	1.0	r
104-51-8	n-Butylbenzene	1.0	U	0.25	1.0	r
95-50-1	1,2-Dichlorobenzene	1.0	U	0.25	1.0	r
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	0.50	1.0	r
87-68-3	Hexachlorobutadiene	0.50	U	0.20	0.50	r
120-82-1	1,2,4-Trichlorobenzene	1.0	U	0.25	1.0	r
91-20-3	Naphthalene	1.0	U	1.0	1.0	r
87-61-6	1,2,3-Trichlorobenzene	1.0	U	0.25	1.0	r

FORM I VOA

r=Result Reported U=Not Detected D=Reported Dilution E/J=Estimated Value X=Not Used S=Lab Solvent

1/24/22

ANALYTICAL REPORT

Lab Number:	L2231684
Client:	CA Rich Consultants, Inc. 17 Dupont St. Plainview, NY 11803
ATTN:	Jason Cooper
Phone:	(516) 576-8844
Project Name:	CORNERSTONE
Project Number:	CORNERSTONE
Report Date:	06/28/22

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: CORNERSTONE
Project Number: CORNERSTONE

Lab Number: L2231684
Report Date: 06/28/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2231684-01	MW-1	WATER	THIRD AVENUE, BRONX	06/14/22 11:30	06/15/22
L2231684-02	MW-2A	WATER	THIRD AVENUE, BRONX	06/14/22 09:55	06/15/22
L2231684-03	MW-4	WATER	THIRD AVENUE, BRONX	06/14/22 10:47	06/15/22
L2231684-04	MW-6	WATER	THIRD AVENUE, BRONX	06/14/22 10:12	06/15/22
L2231684-05	MW-7	WATER	THIRD AVENUE, BRONX	06/14/22 12:06	06/15/22
L2231684-06	MW-8	WATER	THIRD AVENUE, BRONX	06/14/22 11:55	06/15/22
L2231684-07	MW-10	WATER	THIRD AVENUE, BRONX	06/14/22 09:31	06/15/22
L2231684-08	MW-XX	WATER	THIRD AVENUE, BRONX	06/14/22 09:55	06/15/22
L2231684-09	FIELD BLANK	WATER	THIRD AVENUE, BRONX	06/14/22 13:15	06/15/22
L2231684-10	TRIP BLANK	WATER	THIRD AVENUE, BRONX	06/14/22 00:00	06/15/22

Project Name:	CORNERSTONE	**Lab Number:**	L2231684
Project Number:	CORNERSTONE	**Report Date:**	06/28/22

Case Narrative

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

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

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

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

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

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

Project Name:	CORNERSTONE	**Lab Number:**	L2231684
Project Number:	CORNERSTONE	**Report Date:**	06/28/22

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Steven Gniadek

Title: Technical Director/Representative Date: 06/28/22

ORGANICS

VOLATILES

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-01
Client ID: MW-1
Sample Location: THIRD AVENUE, BRONX
Date Collected: 06/14/22 11:30
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 03:30
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	48		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-01 Date Collected: 06/14/22 11:30

Client ID: MW-1 Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.21	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-01
Client ID: MW-1
Sample Location: THIRD AVENUE, BRONX
Date Collected: 06/14/22 11:30
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	117		70-130

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-02 D
Client ID: MW-2A
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 09:55
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 03:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	180		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-02 D
Client ID: MW-2A
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 09:55
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.3		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	ND		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-02 D
Client ID: MW-2A
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 09:55
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	111		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-03
Client ID: MW-4
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 10:47
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 04:21
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	19		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	6.4		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.98		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-03 Date Collected: 06/14/22 10:47

Client ID: MW-4 Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

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

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-03 Date Collected: 06/14/22 10:47

Client ID: MW-4 Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	124		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-04
Client ID: MW-6
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 10:12
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 04:46
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.87	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	42		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-04 Date Collected: 06/14/22 10:12

Client ID: MW-6 Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.60		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-04 Date Collected: 06/14/22 10:12

Client ID: MW-6 Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	116		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-05 D
Client ID: MW-7
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 12:06
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 11:59
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.3	J	ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	4.9	J	ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	16		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,3-Dichloropropene, Total	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	6.2	1.8	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	ND		ug/l	1.2	0.40	2.5
Toluene	2.3	J	ug/l	6.2	1.8	2.5
Ethylbenzene	ND		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-05 D
Client ID: MW-7
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 12:06
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.48	J	ug/l	1.2	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	ND		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
Xylenes, Total	ND		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	2.8	J	ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	2.8	J	ug/l	6.2	1.8	2.5
Dibromomethane	ND		ug/l	12	2.5	2.5
1,2,3-Trichloropropane	ND		ug/l	6.2	1.8	2.5
Acrylonitrile	ND		ug/l	12	3.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	370		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	7.2	J	ug/l	12	4.8	2.5
Vinyl acetate	ND		ug/l	12	2.5	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
2,2-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
1,3-Dichloropropane	ND		ug/l	6.2	1.8	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	6.2	1.8	2.5
Bromobenzene	ND		ug/l	6.2	1.8	2.5
n-Butylbenzene	ND		ug/l	6.2	1.8	2.5
sec-Butylbenzene	ND		ug/l	6.2	1.8	2.5
tert-Butylbenzene	ND		ug/l	6.2	1.8	2.5
o-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
p-Chlorotoluene	ND		ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Hexachlorobutadiene	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	ND		ug/l	6.2	1.8	2.5
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-05 D
Client ID: MW-7
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 12:06
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
p-Diethylbenzene	ND		ug/l	5.0	1.8	2.5
p-Ethyltoluene	ND		ug/l	5.0	1.8	2.5
1,2,4,5-Tetramethylbenzene	ND		ug/l	5.0	1.4	2.5
Ethyl ether	ND		ug/l	6.2	1.8	2.5
trans-1,4-Dichloro-2-butene	ND		ug/l	6.2	1.8	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	121		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-06 D
Client ID: MW-8
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 11:55
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 12:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	540		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
1,3-Dichloropropene, Total	ND		ug/l	2.5	0.72	5
1,1-Dichloropropene	ND		ug/l	12	3.5	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-06 D
Client ID: MW-8
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 11:55
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	35		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
Xylenes, Total	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	ND		ug/l	12	3.5	5
1,2-Dichloroethene, Total	ND		ug/l	12	3.5	5
Dibromomethane	ND		ug/l	25	5.0	5
1,2,3-Trichloropropane	ND		ug/l	12	3.5	5
Acrylonitrile	ND		ug/l	25	7.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	8.0	J	ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
Vinyl acetate	ND		ug/l	25	5.0	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
2,2-Dichloropropane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,3-Dichloropropane	ND		ug/l	12	3.5	5
1,1,1,2-Tetrachloroethane	ND		ug/l	12	3.5	5
Bromobenzene	ND		ug/l	12	3.5	5
n-Butylbenzene	ND		ug/l	12	3.5	5
sec-Butylbenzene	ND		ug/l	12	3.5	5
tert-Butylbenzene	ND		ug/l	12	3.5	5
o-Chlorotoluene	ND		ug/l	12	3.5	5
p-Chlorotoluene	ND		ug/l	12	3.5	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Hexachlorobutadiene	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
p-Isopropyltoluene	ND		ug/l	12	3.5	5
Naphthalene	ND		ug/l	12	3.5	5

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-06 D
Client ID: MW-8
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 11:55
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
1,3,5-Trimethylbenzene	ND		ug/l	12	3.5	5
1,2,4-Trimethylbenzene	ND		ug/l	12	3.5	5
1,4-Dioxane	ND		ug/l	1200	300	5
p-Diethylbenzene	ND		ug/l	10	3.5	5
p-Ethyltoluene	ND		ug/l	10	3.5	5
1,2,4,5-Tetramethylbenzene	ND		ug/l	10	2.7	5
Ethyl ether	ND		ug/l	12	3.5	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	3.5	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	110		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-07
Client ID: MW-10
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 09:31
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 13:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	3.8		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-07 Date Collected: 06/14/22 09:31

Client ID: MW-10 Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

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

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-07 Date Collected: 06/14/22 09:31

Client ID: MW-10 Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	122		70-130

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-08 D
Client ID: MW-XX
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 09:55
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 12:49
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.4	2
1,1-Dichloroethane	ND		ug/l	5.0	1.4	2
Chloroform	ND		ug/l	5.0	1.4	2
Carbon tetrachloride	ND		ug/l	1.0	0.27	2
1,2-Dichloropropane	ND		ug/l	2.0	0.27	2
Dibromochloromethane	ND		ug/l	1.0	0.30	2
1,1,2-Trichloroethane	ND		ug/l	3.0	1.0	2
Tetrachloroethene	180		ug/l	1.0	0.36	2
Chlorobenzene	ND		ug/l	5.0	1.4	2
Trichlorofluoromethane	ND		ug/l	5.0	1.4	2
1,2-Dichloroethane	ND		ug/l	1.0	0.26	2
1,1,1-Trichloroethane	ND		ug/l	5.0	1.4	2
Bromodichloromethane	ND		ug/l	1.0	0.38	2
trans-1,3-Dichloropropene	ND		ug/l	1.0	0.33	2
cis-1,3-Dichloropropene	ND		ug/l	1.0	0.29	2
1,3-Dichloropropene, Total	ND		ug/l	1.0	0.29	2
1,1-Dichloropropene	ND		ug/l	5.0	1.4	2
Bromoform	ND		ug/l	4.0	1.3	2
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.33	2
Benzene	ND		ug/l	1.0	0.32	2
Toluene	ND		ug/l	5.0	1.4	2
Ethylbenzene	ND		ug/l	5.0	1.4	2
Chloromethane	ND		ug/l	5.0	1.4	2
Bromomethane	ND		ug/l	5.0	1.4	2
Vinyl chloride	ND		ug/l	2.0	0.14	2
Chloroethane	ND		ug/l	5.0	1.4	2
1,1-Dichloroethene	ND		ug/l	1.0	0.34	2
trans-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-08 D
Client ID: MW-XX
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 09:55
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	1.4		ug/l	1.0	0.35	2
1,2-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,3-Dichlorobenzene	ND		ug/l	5.0	1.4	2
1,4-Dichlorobenzene	ND		ug/l	5.0	1.4	2
Methyl tert butyl ether	ND		ug/l	5.0	1.4	2
p/m-Xylene	ND		ug/l	5.0	1.4	2
o-Xylene	ND		ug/l	5.0	1.4	2
Xylenes, Total	ND		ug/l	5.0	1.4	2
cis-1,2-Dichloroethene	ND		ug/l	5.0	1.4	2
1,2-Dichloroethene, Total	ND		ug/l	5.0	1.4	2
Dibromomethane	ND		ug/l	10	2.0	2
1,2,3-Trichloropropane	ND		ug/l	5.0	1.4	2
Acrylonitrile	ND		ug/l	10	3.0	2
Styrene	ND		ug/l	5.0	1.4	2
Dichlorodifluoromethane	ND		ug/l	10	2.0	2
Acetone	ND		ug/l	10	2.9	2
Carbon disulfide	ND		ug/l	10	2.0	2
2-Butanone	ND		ug/l	10	3.9	2
Vinyl acetate	ND		ug/l	10	2.0	2
4-Methyl-2-pentanone	ND		ug/l	10	2.0	2
2-Hexanone	ND		ug/l	10	2.0	2
Bromochloromethane	ND		ug/l	5.0	1.4	2
2,2-Dichloropropane	ND		ug/l	5.0	1.4	2
1,2-Dibromoethane	ND		ug/l	4.0	1.3	2
1,3-Dichloropropane	ND		ug/l	5.0	1.4	2
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	1.4	2
Bromobenzene	ND		ug/l	5.0	1.4	2
n-Butylbenzene	ND		ug/l	5.0	1.4	2
sec-Butylbenzene	ND		ug/l	5.0	1.4	2
tert-Butylbenzene	ND		ug/l	5.0	1.4	2
o-Chlorotoluene	ND		ug/l	5.0	1.4	2
p-Chlorotoluene	ND		ug/l	5.0	1.4	2
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	1.4	2
Hexachlorobutadiene	ND		ug/l	5.0	1.4	2
Isopropylbenzene	ND		ug/l	5.0	1.4	2
p-Isopropyltoluene	ND		ug/l	5.0	1.4	2
Naphthalene	ND		ug/l	5.0	1.4	2

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-08 D
Client ID: MW-XX
Sample Location: THIRD AVENUE, BRONX

Date Collected: 06/14/22 09:55
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	5.0	1.4	2
1,2,3-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trichlorobenzene	ND		ug/l	5.0	1.4	2
1,3,5-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,2,4-Trimethylbenzene	ND		ug/l	5.0	1.4	2
1,4-Dioxane	ND		ug/l	500	120	2
p-Diethylbenzene	ND		ug/l	4.0	1.4	2
p-Ethyltoluene	ND		ug/l	4.0	1.4	2
1,2,4,5-Tetramethylbenzene	ND		ug/l	4.0	1.1	2
Ethyl ether	ND		ug/l	5.0	1.4	2
trans-1,4-Dichloro-2-butene	ND		ug/l	5.0	1.4	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-09
Client ID: FIELD BLANK
Sample Location: THIRD AVENUE, BRONX
Date Collected: 06/14/22 13:15
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 11:10
Analyst: PD

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

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-09 Date Collected: 06/14/22 13:15

Client ID: FIELD BLANK Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

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

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-09 Date Collected: 06/14/22 13:15

Client ID: FIELD BLANK Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	121		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-10
Client ID: TRIP BLANK
Sample Location: THIRD AVENUE, BRONX
Date Collected: 06/14/22 00:00
Date Received: 06/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/24/22 11:35
Analyst: PD

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

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-10 Date Collected: 06/14/22 00:00

Client ID: TRIP BLANK Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

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

Project Name: CORNERSTONE **Lab Number:** L2231684

Project Number: CORNERSTONE **Report Date:** 06/28/22

SAMPLE RESULTS

Lab ID: L2231684-10 Date Collected: 06/14/22 00:00

Client ID: TRIP BLANK Date Received: 06/15/22

Sample Location: THIRD AVENUE, BRONX Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	121		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/22 20:22
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1654899-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/22 20:22
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1654899-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/23/22 20:22
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1654899-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	123		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/24/22 09:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-10 Batch: WG1655588-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/24/22 09:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-10 Batch: WG1655588-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: CORNERSTONE
Project Number: CORNERSTONE
Lab Number: L2231684
Report Date: 06/28/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/24/22 09:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-10 Batch: WG1655588-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	117		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORNERSTONE
Project Number: CORNERSTONE

Lab Number: L2231684
Report Date: 06/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1654899-3 WG1654899-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	99		100		70-130	1		20
Dibromochloromethane	93		93		63-130	0		20
1,1,2-Trichloroethane	91		93		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	88		90		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	87		93		54-136	7		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	110		100		70-130	10		20
Chloromethane	120		110		64-130	9		20
Bromomethane	120		110		39-139	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNERSTONE

Project Number: CORNERSTONE

Lab Number: L2231684

Report Date: 06/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1654899-3 WG1654899-4								
Vinyl chloride	120		110		55-140	9		20
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	120		110		61-145	9		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	89		88		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	79		83		63-130	5		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	86		92		64-130	7		20
Acrylonitrile	97		100		70-130	3		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	97		100		58-148	3		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	85		80		63-138	6		20
Vinyl acetate	**260**	Q	**270**	Q	70-130	4		20
4-Methyl-2-pentanone	69		76		59-130	10		20
2-Hexanone	73		82		57-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORNERSTONE
Project Number: CORNERSTONE

Lab Number: L2231684
Report Date: 06/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1654899-3 WG1654899-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	**150**	Q	**150**	Q	63-133	0		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	91		93		70-130	2		20
1,1,1,2-Tetrachloroethane	92		96		64-130	4		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	89		93		41-144	4		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	90		95		70-130	5		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	96		100		70-130	4		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	82		90		56-162	9		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNERSTONE

Project Number: CORNERSTONE

Lab Number: L2231684

Report Date: 06/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1654899-3 WG1654899-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	88		90		59-134	2		20
trans-1,4-Dichloro-2-butene	90		94		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		98		70-130
Toluene-d8	98		100		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	105		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORNERSTONE
Project Number: CORNERSTONE

Lab Number: L2231684
Report Date: 06/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-10 Batch: WG1655588-3 WG1655588-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		120		63-132	9		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	98		99		63-130	1		20
1,1,2-Trichloroethane	96		98		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	94		95		70-130	1		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	92		96		54-136	4		20
1,1,2,2-Tetrachloroethane	120		120		67-130	0		20
Benzene	100		110		70-130	10		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	110		110		64-130	0		20
Bromomethane	130		120		39-139	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNERSTONE

Project Number: CORNERSTONE

Lab Number: L2231684

Report Date: 06/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-10 Batch: WG1655588-3 WG1655588-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	110		120		61-145	9		20
trans-1,2-Dichloroethene	110		120		70-130	9		20
Trichloroethene	88		92		70-130	4		20
1,2-Dichlorobenzene	100		110		70-130	10		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		110		70-130	10		20
Methyl tert butyl ether	87		91		63-130	4		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	92		97		64-130	5		20
Acrylonitrile	100		100		70-130	0		20
Styrene	105		110		70-130	5		20
Dichlorodifluoromethane	100		110		36-147	10		20
Acetone	89		89		58-148	0		20
Carbon disulfide	110		120		51-130	9		20
2-Butanone	71		82		63-138	14		20
Vinyl acetate	**290**	Q	**300**	Q	70-130	3		20
4-Methyl-2-pentanone	79		81		59-130	3		20
2-Hexanone	79		83		57-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CORNERSTONE
Project Number: CORNERSTONE

Lab Number: L2231684
Report Date: 06/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-10 Batch: WG1655588-3 WG1655588-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	**140**	Q	**150**	Q	63-133	7		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	98		99		70-130	1		20
1,1,1,2-Tetrachloroethane	97		100		64-130	3		20
Bromobenzene	98		100		70-130	2		20
n-Butylbenzene	110		120		53-136	9		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	98		110		70-130	12		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	92		98		41-144	6		20
Hexachlorobutadiene	100		120		63-130	18		20
Isopropylbenzene	97		100		70-130	3		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	92		98		70-130	6		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	96		100		70-130	4		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	86		90		56-162	5		20
p-Diethylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNERSTONE

Project Number: CORNERSTONE

Lab Number: L2231684

Report Date: 06/28/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-10 Batch: WG1655588-3 WG1655588-4								
p-Ethyltoluene	99		110		70-130	11		20
1,2,4,5-Tetramethylbenzene	99		100		70-130	1		20
Ethyl ether	92		98		59-134	6		20
trans-1,4-Dichloro-2-butene	96		95		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	104		105		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: CORNERSTONE

Project Number: CORNERSTONE

Lab Number: L2231684

Report Date: 06/28/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-10 QC Batch ID: WG1655588-6 WG1655588-7 QC Sample: L2231684-07 Client ID: MW-10												
Methylene chloride	ND	10	11	110		11	110		70-130	0		20
1,1-Dichloroethane	ND	10	11	110		11	110		70-130	0		20
Chloroform	ND	10	11	110		11	110		70-130	0		20
Carbon tetrachloride	ND	10	12	120		12	120		63-132	0		20
1,2-Dichloropropane	ND	10	11	110		11	110		70-130	0		20
Dibromochloromethane	ND	10	9.9	99		9.9	99		63-130	0		20
1,1,2-Trichloroethane	ND	10	10	100		10	100		70-130	0		20
Tetrachloroethene	3.8	10	15	112		15	112		70-130	0		20
Chlorobenzene	ND	10	11	110		11	110		75-130	0		20
Trichlorofluoromethane	ND	10	12	120		12	120		62-150	0		20
1,2-Dichloroethane	ND	10	11	110		10	100		70-130	10		20
1,1,1-Trichloroethane	ND	10	12	120		12	120		67-130	0		20
Bromodichloromethane	ND	10	11	110		11	110		67-130	0		20
trans-1,3-Dichloropropene	ND	10	9.5	95		9.3	93		70-130	2		20
cis-1,3-Dichloropropene	ND	10	11	110		10	100		70-130	10		20
1,1-Dichloropropene	ND	10	12	120		11	110		70-130	9		20
Bromoform	ND	10	9.5	95		9.4	94		54-136	1		20
1,1,2,2-Tetrachloroethane	ND	10	12	120		12	120		67-130	0		20
Benzene	ND	10	11	110		11	110		70-130	0		20
Toluene	ND	10	11	110		11	110		70-130	0		20
Ethylbenzene	ND	10	11	110		11	110		70-130	0		20
Chloromethane	ND	10	11	110		11	110		64-130	0		20
Bromomethane	ND	10	4.6	46		5.6	56		39-139	20		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CORNERSTONE
Project Number: CORNERSTONE

Lab Number: L2231684
Report Date: 06/28/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-10 QC Batch ID: WG1655588-6 WG1655588-7 QC Sample: L2231684-07 Client ID: MW-10												
Vinyl chloride	ND	10	12	120		11	110		55-140	9		20
Chloroethane	ND	10	13	130		11	110		55-138	17		20
1,1-Dichloroethene	ND	10	12	120		12	120		61-145	0		20
trans-1,2-Dichloroethene	ND	10	12	120		12	120		70-130	0		20
Trichloroethene	ND	10	9.4	94		9.1	91		70-130	3		20
1,2-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3-Dichlorobenzene	ND	10	11	110		11	110		70-130	0		20
1,4-Dichlorobenzene	ND	10	10	100		10	100		70-130	0		20
Methyl tert butyl ether	ND	10	9.6	96		9.4	94		63-130	2		20
p/m-Xylene	ND	20	24	120		22	110		70-130	9		20
o-Xylene	ND	20	22	110		22	110		70-130	0		20
cis-1,2-Dichloroethene	ND	10	11	110		11	110		70-130	0		20
Dibromomethane	ND	10	11	110		11	110		70-130	0		20
1,2,3-Trichloropropane	ND	10	9.6	96		9.5	95		64-130	1		20
Acrylonitrile	ND	10	11	110		10	100		70-130	10		20
Styrene	ND	20	22	110		21	105		70-130	5		20
Dichlorodifluoromethane	ND	10	10	100		11	110		36-147	10		20
Acetone	ND	10	9.9	99		9.8	98		58-148	1		20
Carbon disulfide	ND	10	12	120		12	120		51-130	0		20
2-Butanone	ND	10	7.8	78		8.2	82		63-138	5		20
Vinyl acetate	ND	10	29	**290**	Q	29	**290**	Q	70-130	0		20
4-Methyl-2-pentanone	ND	10	8.7	87		8.8	88		59-130	1		20
2-Hexanone	ND	10	8.8	88		8.9	89		57-130	1		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CORNERSTONE
Project Number: CORNERSTONE

Lab Number: L2231684
Report Date: 06/28/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-10 QC Batch ID: WG1655588-6 WG1655588-7 QC Sample: L2231684-07 Client ID: MW-10												
Bromochloromethane	ND	10	12	120		12	120		70-130	0		20
2,2-Dichloropropane	ND	10	13	130		12	120		63-133	8		20
1,2-Dibromoethane	ND	10	10	100		10	100		70-130	0		20
1,3-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
1,1,1,2-Tetrachloroethane	ND	10	10	100		10	100		64-130	0		20
Bromobenzene	ND	10	10	100		10	100		70-130	0		20
n-Butylbenzene	ND	10	11	110		11	110		53-136	0		20
sec-Butylbenzene	ND	10	11	110		11	110		70-130	0		20
tert-Butylbenzene	ND	10	11	110		11	110		70-130	0		20
o-Chlorotoluene	ND	10	11	110		10	100		70-130	10		20
p-Chlorotoluene	ND	10	10	100		10	100		70-130	0		20
1,2-Dibromo-3-chloropropane	ND	10	9.8	98		10	100		41-144	2		20
Hexachlorobutadiene	ND	10	10	100		9.9	99		63-130	1		20
Isopropylbenzene	ND	10	11	110		11	110		70-130	0		20
p-Isopropyltoluene	ND	10	11	110		11	110		70-130	0		20
Naphthalene	ND	10	14	**140**	Q	11	110		70-130	**24**	Q	20
n-Propylbenzene	ND	10	11	110		11	110		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,2,4-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,3,5-Trimethylbenzene	ND	10	11	110		11	110		64-130	0		20
1,2,4-Trimethylbenzene	ND	10	13	130		11	110		70-130	17		20
1,4-Dioxane	ND	500	440	88		500	100		56-162	13		20
p-Diethylbenzene	ND	10	12	120		11	110		70-130	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: CORNERSTONE

Project Number: CORNERSTONE

Lab Number: L2231684

Report Date: 06/28/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-10 QC Batch ID: WG1655588-6 WG1655588-7 QC Sample: L2231684-07 Client ID: MW-10												
p-Ethyltoluene	ND	10	12	120		11	110		70-130	9		20
1,2,4,5-Tetramethylbenzene	ND	10	11	110		10	100		70-130	10		20
Ethyl ether	ND	10	9.9	99		10	100		59-134	1		20
trans-1,4-Dichloro-2-butene	ND	10	9.3	93		9.0	90		70-130	3		20

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1,2-Dichloroethane-d4	99		97		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	101		101		70-130
Toluene-d8	99		99		70-130

Project Name: CORNERSTONE
Project Number: CORNERSTONE

Lab Number: L2231684
Report Date: 06/28/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2231684-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-02A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-02B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-02C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-03A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-03B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-03C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-04A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-04B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-04C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-05A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-05B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-05C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-06A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-06B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-06C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-07A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-07A1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-07A2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-07B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-07B1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: CORNERSTONE
Project Number: CORNERSTONE

Lab Number: L2231684
Report Date: 06/28/22

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L2231684-07B2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-07C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-07C1	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-07C2	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-08A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-08B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-08C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-09A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-09B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-09C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-10A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2231684-10B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	CORNERSTONE	**Lab Number:**	L2231684
Project Number:	CORNERSTONE	**Report Date:**	06/28/22

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNERSTONE	**Lab Number:**	L2231684
Project Number:	CORNERSTONE	**Report Date:**	06/28/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNERSTONE	**Lab Number:**	L2231684
Project Number:	CORNERSTONE	**Report Date:**	06/28/22

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	CORNERSTONE	**Lab Number:**	L2231684
Project Number:	CORNERSTONE	**Report Date:**	06/28/22

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Page 1 of 2

Date Rec'd in Lab 6/15/22

ALPHA Job # L2231684

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Client Information

Client: CA RICH Consultants
Address: 17 Dupont Street
Plainview, NY 11803
Phone: 516-576-8844
Fax:
Email: Jcooper@carichinc.com

Project Information

Project Name: Cornerstone
Project Location: Third Avenue, Bronx
Project #
(Use Project name as Project #) ☑
Project Manager: Jason Cooper
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☑ Same as Client Info
PO #

Regulatory Requirement

☑ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☑

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Sample Specific Comments	Total Bottles
31684 01	MW-1	6/14/2022	11:30	GW	JP/MY	x		
02	MW-2A	6/14/2022	9:55	GW	JP/MY	x		
03	MW-4	6/14/2022	10:47	GW	JP/MY	x		
04	MW-6	6/14/2022	10:12	GW	JP/MY	x		
05	MW-7	6/14/2022	12:06	GW	JP/MY	x		
06	MW-8	6/14/2022	11:55	GW	JP/MY	x		
07	MW-10	6/14/2022	9:31	GW	JP/MY	x		
07 ~~08~~	MW-10ms	6/14/2022	9:35	GW	JP/MY	x		
07 ~~09~~	MW-10msd	6/14/2022	9:37	GW	JP/MY	x		
08 ~~10~~	MW-XX	6/14/2022	9:55	GW	JP/MY	x		

Preservative Code: NW
Container Code
A = None — P = Plastic
B = HCl — A = Amber Glass
C = HNO_3 — V = Vial
D = H_2SO_4 — G = Glass
E = NaOH — B = Bacteria Cup
F = MeOH — C = Cube
G = $NaHSO_4$ — O = Other
H = $Na_2S_2O_3$ — E = Encore
K/E = Zn Ac/NaOH — D = BOD Bottle
O = Other

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

	V	B
Container Type		
Preservative		

Relinquished By:	Date/Time	Received By:	Date/Time
	6/15/22 9:53		6/15/22 9:53
Paul Marcella	6/15/22 13:30	Paul Marcella	6/15/22 16:40
	6/15/22		6/15/22 2230

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

Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 6/15/22

ALPHA Job #: L2231084

Client Information

Client: CA RICH Consultants
Address: 17 Dupont Street
Plainview, NY 11803
Phone: 516-576-8844
Fax:
Email: Jcooper@carichinc.com

Project Information

Project Name: Cornerstone
Project Location: Third Avenue, Bronx
Project #
(Use Project name as Project #) ☑
Project Manager: Jason Cooper
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☑ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☑

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOC 8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Sample Specific Comments
31684011	Field Blank (6/14/22)	6/14/2022	1:15	FB	JP/MY	x	
10-12 MW	Trip Blank (6/14/22)	6/14/2022		TB	JP/MY	x	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type: V
Preservative: B

Relinquished By:	Date/Time	Received By:	Date/Time
	6/15/22 9:53		6/15/22
	6/15/22 13:57	Paul Marcella	6/15/22 16:00
Paul Marcella	6/15/22		
			6/15/22 17:30

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

Form No: 01-25 (rev. 30-Sept-2013)

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC ANALYSIS
VOLATILES BY GC/MS METHOD 8260C

For Groundwater Samples Collected
June 14, 2022
From 3100 Third Avenue, Bronx, NY
Cornerstone 2nd Half 2022
Collected by CA Rich Consultants, Inc.

SAMPLE DELIVERY GROUP NUMBER:
L2231684
BY ALPHA ANALYTICAL - (ELAP #11148)

SUBMITTED TO:

Mr. Jason Cooper
CA Rich Consultants, Inc.
17 Dupont Street
Plainview, NY 11803

July 04, 2022

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731

Lori A. Beyer

(516) 523-7891; email LABValidation@aol.com

Cornerstone 2nd Half 2022, 3100 Third Avenue, Bronx, NY
Groundwater Samples; June 2022 Sampling Event
Data Usability Summary Report (Data Validation): Volatile Organics by GCMS Method 8260C.

Table of Contents:

Introduction:
A validation was performed on groundwater samples and the associated quality control samples (MS/MSD/Field Duplicate) for organic analysis for samples collected under chain of custody documentation by CA Rich Consultants and submitted to Alpha Analytical for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below. The groundwater samples were collected on June 14, 2022.

The samples were analyzed by Alpha Analytical, utilizing SW846 Methods and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing consisted of the full analyte list for Volatile Organics.

The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic Data Review and EPA Region II SOP HW-24 Revision 4 for 8260C and in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following samples:

Sample Identification	Laboratory Identification	Sample Matrix	Date Collected	Date Received
MW-1	L2231684-01	Groundwater	06/14/2022	06/15/2022
MW-2A	L2231684-02	Groundwater	06/14/2022	06/15/2022
MW-4	L2231684-03	Groundwater	06/14/2022	06/15/2022
MW-6	L2231684-04	Groundwater	06/14/2022	06/15/2022
MW-7	L2231684-05	Groundwater	06/14/2022	06/15/2022
MW-8	L2231684-06	Groundwater	06/14/2022	06/15/2022
MW-10 [Plus, MS/MSD]	L2231684-07	Groundwater	06/14/2022	06/15/2022
MW-XX [Field Duplicate of MW-2A]	L2231684-08	Groundwater	06/14/2022	06/15/2022
Field Blank	L2231684-09	Aqueous	06/14/2022	06/15/2022
Trip Blank	L2231684-10	Aqueous	06/14/2022	06/15/2022

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

R - The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

J+ - The result is an estimated quantity, but the result may be biased high.

J- - The result is an estimated quantity, but the result may be biased low.

D - Analyte concentration is from diluted analysis.

Sample Receipt:
The Chain of Custody documents indicate that the samples were received at Alpha Analytical via laboratory courier on 06/15/22. Sample login notes were generated. The cooler temperature for samples was recorded upon receipt at Alpha and determined to be acceptable (<6.0 degrees C). The actual temperature of 2.6 degrees C is recorded on the sample receipt checklist provided in Appendix A of this report. No problems and/or discrepancies were noted, consequently, the integrity of the field samples has been assumed to be good.

The data summary Form I's included in Appendix C includes all usable (qualified) and unusable (rejected) results for the samples identified above. The Form I's summarize the detailed narrative section of the report.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Volatile Organics by GC/MS SW846 Method 8260C

The following method criteria were reviewed: holding times, SMCs/Surrogates, MS, MSD, LCS, Laboratory Spiked Blanks, Field Duplicates, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results are valid and useable except for non-detects for 1,4-Dioxane due to low calibration response in initial and continuing calibrations as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "UJ", or unusable, "R", if the holding times are grossly exceeded.

Samples were analyzed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection to analysis for HCL preserved vials as required. No data validation qualifiers were required based upon holding time.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the

measure of surrogate concentrations is outside contract specifications, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) for Dibromofluoromethane, 1,2-Dichloroethane-d4, Toluene-d8 and 4-Bromofluorobenzene were found to be within acceptable limits for surrogate compounds for all samples.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Site-specific MS/MSD was performed by the laboratory on sample MW-10 as required by chain of custody. Acceptable recovery values were obtained for all spiked/target compounds except for Vinyl Acetate (290/290%) and Naphthalene (140%) in the MS and/or MSD. RPD for Naphthalene (24%) was outside 20% criteria. No qualifiers were applied based on recovery outliers since elevated recovery does not support any potential loss of detection and/or result bias. Based on professional judgment, data was also not qualified for Naphthalene RPD outlier.

1.4 Laboratory Control Sample/Laboratory Control Duplicates

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/LCS Duplicate recovery values fell within acceptance limits for all analytes with exceptions noted below:

LCS /LCS Duplicate associated with MW-1, MW-2A, MW-4 and MW-6 yielded Vinyl Acetate (260%/270%) and 2,2-Dichloropropane (150%/150%) above in-house limits. Since these target analytes were not detected in corresponding field samples and high recovery does not support any potential loss of detection and/or result bias, the data was not qualified based on these outliers.

LCS /LCS Duplicate associated with MW-7, MW-8, MW-XX, MW-10, Field Blank, and Trip Blank also yielded Vinyl Acetate (290%/300%) and 2,2-Dichloropropane (140%/158%) above in-house limits. Since these target analytes were not detected in corresponding field samples and high recovery does not support any potential loss of detection and/or result bias, the data was not qualified based on these outliers.

1.5 Blank Contamination

Quality assurance (QA) blanks, i.e., method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

Blank Type	Blank Result	Sample Result	Action for Samples
Method, Storage, field, Trip, Instrument	Detects	Not Detected	No qualification required
	<CRQL*	<CRQL*	Report CRQL value with a U
		>/= CRQL* and <2x the CRQL**	No qualification required
	>CRQL*	</= CRQL*	Report CRQL value with a U
		>/=CRQL* and </= blank concentration	Report blank value for sample concentration with a U
		>/= CRQL* and > blank concentration	No qualification required
	=CRQL*	</= CRQL*	Report CRQL value with a U
		>CRQL*	No qualification required
	Gross Contamination**	Detects	Report blank value for sample concentration with a U

*2x the CRQL for methylene chloride, 2-butanone, and acetone.
**4x the CRQL for methylene chloride, 2-butanone, and acetone
***Qualifications based on instrument blank results affect only the sample analyzed immediately after the sample that has target compounds that exceed the calibration range or non-target compounds that exceed 100 ug/L.
Below is a summary of the compounds in the sample and the associated qualifications that have been applied:
Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**

No target analytes were detected in the method blanks.

B) **Field Blank Contamination:**

No target analytes were detected in the Field Blank.

C) **Trip Blank Contamination:**

No target analytes were detected in the Trip Blank.

***The end user should proceed with caution when making decisions based on common lab contaminant detections (Acetone/Methylene Chloride/2-Butanone) where the compounds could not be negated due to lack of presence in the corresponding blanks. For example, Acetone was detected in MW-8 at 8.0 ug/L. 2-Butanone (7.2 ug/L) and Methylene Chloride (2.3 ug/L) in MW-7. Detected concentrations in these samples have been qualified, "J" by the laboratory since final quantitated values are below the reporting limit.*

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument can produce acceptable quantitative data. An initial calibration demonstrates that the instrument can produce acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance. Initial calibration verification yielded Bromomethane (34.3%) and Vinyl Acetate (39.3%) outside 30% criteria. Non-detects in all samples have been qualified, "UJ."

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R". Method 8260C allows for a minimum response factor of 0.1 for Acetone and 2-Butanone. Validation criteria allows response factor to be /=>0.01 for poor responders (Acetone, MEK, Carbon Disulfide, Chloroethane, Chloromethane, Cyclohexane, 1,2-Dibromoethane, Dichlorodifluoromethane, cis-1,2-Dichloroethene, 1,2-Dichloropropane, 1,2-Dibromo-3-chloropropane, Isopropylbenzene, Methyl Acetate, Methylene Chloride, Methylcyclohexane, MTBE, trans-1,2-Dichloroethene, 4-Methyl-2-Pentanone, 2-Hexanone, Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane.

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05) and (>/= 0.01 for poor responders) and minimum response criteria in Table 4 of Method 8260C, for the initial and continuing calibrations for all reported analytes except for 1,4-Dioxane (0.001). Non-detects for this compound have been rejected, "R" in all samples. 1,4-Dioxane is a poor-purge analyte.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D): Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <20% and %D must be <20%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >20% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 20% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high-level results will be qualified, "J" in the portion of the curve where non-linearity exists. Closing CCV must meet 30% criteria. Poor responders must be </= 40%.

*Method 8260C allows for several analytes to be outside requirements due to the large number of compounds.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (20%) and (40% for poor responders) for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (20%) and (40% for poor responders) for all reported compounds with exceptions discussed below:

CCAL VOA122 06/23/2022 – Vinyl Acetate (188.9%), and 2,2-Dichloropropane (40.5%) associated with MW-1, MW-2A, MW-4, and MW-6 was outside criteria. Non-detects have been qualified, "UJ."

CCAL VOA122 06/24/2022 – Vinyl Acetate (160.7%), and 2,2-Dichloropropane (51.9%) associated with Field Blank, Trip Blank, MW-7, MW-8, MW-XX, and MW-10 was outside criteria. Non-detects have been qualified, "UJ."

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If

the area count is outside the (-50% to +100%) range of the associated standard, all the positive results for compounds quantitated using
that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Chlorobenzene-d5, Fluorobenzene and 1,4-Dichlorobenzene-d4 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Generally, water samples an acceptable RPD is 25%. Groundwater sample MW-2A was collected as a blind duplicate, a summary of positive detections is summarized below:

	MW-2A	MW-XX
Trichloroethene	**1.3 ug/L**	**1.4 ug/L**
Tetrachloroethene	**180 ug/L**	**180 ug/L**

Precision is acceptable. No qualifications to the data were required based on field duplicate analysis.

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectrum which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is acceptable. Correct internal standards per SW846, response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Samples were initially analyzed undiluted except for MW-2A (1:2), MW-XX (1:2) and MW-8 (1:5). Dilutions were determined to be acceptable based on target analyte Tetrachloroethene raw concentrations. Reporting limits have been adjusted accordingly. There is potential that lower-level detections were lost in sample dilutions. Analysis is acceptable.

1.12 Overall System Performance

Good resolution and chromatographic performance were observed. Raw data was reviewed and confirmed that no carryover exists for any analysis conducted with this data set.

Tentatively Identified Compounds (TICs) were not generated and therefore not evaluated.

Reviewer's Signature Lori A. Beyer **Date** 07/04/2022

Appendix A
Chain of Custody Documents
and Sample Receipt Checklist

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Page 1 of 2

Date Rec'd in Lab 6/15/22

ALPHA Job # L2231684

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Client Information
Client: CA RICH Consultants
Address: 17 Dupont Street
Plainview, NY 11803
Phone: 516-576-8844
Fax:
Email: Jcooper@carichinc.com

Project Information
Project Name: Cornerstone
Project Location: Third Avenue, Bronx
Project #
(Use Project name as Project #) ☑
Project Manager: Jason Cooper
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☑ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☑

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS VOC 8260	Sample Filtration	Total Bottle
31684 01	MW-1	6/14/2022	11:30	GW	JP/MY	x		
02	MW-2A	6/14/2022	9:55	GW	JP/MY	x		
03	MW-4	6/14/2022	10:47	GW	JP/MY	x		
04	MW-6	6/14/2022	10:12	GW	JP/MY	x		
05	MW-7	6/14/2022	12:06	GW	JP/MY	x		
06	MW-8	6/14/2022	11:55	GW	JP/MY	x		
07	MW-10	6/14/2022	9:31	GW	JP/MY	x		
07 ~~08~~	MW-10ms	6/14/2022	9:35	GW	JP/MY	x		
07 ~~09~~	MW-10msd	6/14/2022	9:37	GW	JP/MY	x		
08 ~~10~~	MW-XX	6/14/2022	9:55	GW	JP/MY	x		

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)
Sample Specific Comments

Preservative Code: MW
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	V	
Preservative	B	

Relinquished By:	Date/Time	Received By:	Date/Time
	6/15/22 9:53		6/15/22 9:53
	6/15/22 13:12	Paul Mascolo	6/15/22 16:00
Paul Mascolo	6/15/22		
	6/15/22 22		6/15/22 2230

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

Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 · 8 Walkup Dr. · TEL: 508-898-9220 · FAX: 508-898-9193

Mansfield, MA 02048 · 320 Forbes Blvd · TEL: 508-822-9300 · FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 6/15/22

ALPHA Job #: L2231684

Project Information
Project Name: Cornerstone
Project Location: Third Avenue, Bronx
Project #
(Use Project name as Project #) ☑
Project Manager: Jason Cooper
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information
Client: CA RICH Consultants
Address: 17 Dupont Street
Plainview, NY 11803
Phone: 516-576-8844
Fax:
Email: Jcooper@carichinc.com

Deliverables
☐ ASP-A ☑ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☑ Same as Client Info
PO #

Regulatory Requirement
☑ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☑
Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS: VOC 8260

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Sample Specific Comments	Total Bottles
31684-09-11	Field Blank (6/14/22)	6/14/2022	1:15	FB	JP/MY	x		
10-12	Trip Blank (6/14/22)	6/14/2022		TB	JP/MY	x		

Container Type: V
Preservative: B

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/15/22 9:53	[signature]	6/15/22 9:[illegible]
[signature]	6/15/22 13:30	Paul Marcelle	6/15/22 [illegible]
Paul Marcelle	6/15/22 [illegible]	[signature]	6/15/22 20:30

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

Form No: 01-25 (rev. 30-Sept-2013)

Sample Delivery Group Summary

Alpha Job Number : L2231684

Account Name : CA Rich Consultants, Inc.
Project Number : CORNERSTONE
Project Name : CORNERSTONE

Received : 15-JUN-2022
Reviewer : Melissa Wood

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.6	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between sample labels & COC?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO

Appendix B
Case Narrative

Project Name:	CORNERSTONE	**Lab Number:**	L2231684
Project Number:	CORNERSTONE	**Report Date:**	06/28/22

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some [illegible] In these quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

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

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

Authorized Signature: Report Date: 06/28/22

Title: Technical Director/Representative

Appendix C
Validated Form I's
with Qualifications

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-01	Date Collected	: 06/14/22 11:30
Client ID	: MW-1	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 03:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N22	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	48	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

7/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-01	Date Collected	: 06/14/22 11:30
Client ID	: MW-1	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 03:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N22	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.21	0.50	0.18	J
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

JP 7/3/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-01	Date Collected	: 06/14/22 11:30
Client ID	: MW-1	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 03:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N22	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 7/3/22

ALPHA ANALYTICAL

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-01	Date Collected	: 06/14/22 11:30
Client ID	: MW-1	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 03:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N22	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-02D	Date Collected	: 06/14/22 09:55
Client ID	: MW-2A	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 03:55
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N23	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	180	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
542-75-6	1,3-Dichloropropene, Total	ND	1.0	0.29	U
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U → UJ
75-01-4	Vinyl chloride	ND	2.0	0.14	U

for 7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-02D	Date Collected	: 06/14/22 09:55
Client ID	: MW-2A	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 03:55
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N23	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	1.3	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
1330-20-7	Xylenes, Total	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.4	U
540-59-0	1,2-Dichloroethene, Total	ND	5.0	1.4	U
74-95-3	Dibromomethane	ND	10	2.0	U
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.4	U
107-13-1	Acrylonitrile	ND	10	3.0	U
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-05-4	Vinyl acetate	ND	10	2.0	UJ
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U

7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-02D	Date Collected	: 06/14/22 09:55
Client ID	: MW-2A	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 03:55
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N23	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
142-28-9	1,3-Dichloropropane	ND	5.0	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.4	U
108-86-1	Bromobenzene	ND	5.0	1.4	U
104-51-8	n-Butylbenzene	ND	5.0	1.4	U
135-98-8	sec-Butylbenzene	ND	5.0	1.4	U
98-06-6	tert-Butylbenzene	ND	5.0	1.4	U
95-49-8	o-Chlorotoluene	ND	5.0	1.4	U
106-43-4	p-Chlorotoluene	ND	5.0	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
99-87-6	p-Isopropyltoluene	ND	5.0	1.4	U
91-20-3	Naphthalene	ND	5.0	1.4	U
103-65-1	n-Propylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.4	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.4	U
123-91-1	1,4-Dioxane	ND	500	120	UJ
105-05-5	p-Diethylbenzene	ND	4.0	1.4	U
622-96-8	p-Ethyltoluene	ND	4.0	1.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.0	1.1	U
60-29-7	Ethyl ether	ND	5.0	1.4	U

7/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-02D	Date Collected	: 06/14/22 09:55
Client ID	: MW-2A	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 03:55
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N23	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-03	Date Collected	: 06/14/22 10:47
Client ID	: MW-4	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 04:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N24	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	19	2.5	0.70	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	6.4	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	0.98	0.50	0.19	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

for 7/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-03	Date Collected	: 06/14/22 10:47
Client ID	: MW-4	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 04:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N24	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U → UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

7/3/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-03	Date Collected	: 06/14/22 10:47
Client ID	: MW-4	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 04:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N24	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-03	Date Collected	: 06/14/22 10:47
Client ID	: MW-4	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 04:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N24	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-04	Date Collected	: 06/14/22 10:12
Client ID	: MW-6	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 04:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N25	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.87	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	42	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U → UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

for 7/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-04	Date Collected	: 06/14/22 10:12
Client ID	: MW-6	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 04:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N25	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	0.60	0.50	0.18	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

7/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-04	Date Collected	: 06/14/22 10:12
Client ID	: MW-6	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 04:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N25	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

7/3/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-04	Date Collected	: 06/14/22 10:12
Client ID	: MW-6	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 04:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MV
Lab File ID	: V22220623N25	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-05D	Date Collected	: 06/14/22 12:06
Client ID	: MW-7	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:59
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A10	Instrument ID	: VOA122
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	2.3	6.2	1.8	J
75-34-3	1,1-Dichloroethane	ND	6.2	1.8	U
67-66-3	Chloroform	4.9	6.2	1.8	J
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	16	1.2	0.45	
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.36	U
563-58-6	1,1-Dichloropropene	ND	6.2	1.8	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	2.3	6.2	1.8	J
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U → UJ
75-01-4	Vinyl chloride	ND	2.5	0.18	U

for 7/31/22

ALPHA ANALYTICAL

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-05D	Date Collected	: 06/14/22 12:06
Client ID	: MW-7	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:59
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A10	Instrument ID	: VOA122
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.42	U
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	0.48	1.2	0.44	J
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
1330-20-7	Xylenes, Total	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	2.8	6.2	1.8	J
540-59-0	1,2-Dichloroethene, Total	2.8	6.2	1.8	J
74-95-3	Dibromomethane	ND	12	2.5	U
96-18-4	1,2,3-Trichloropropane	ND	6.2	1.8	U
107-13-1	Acrylonitrile	ND	12	3.8	U
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	370	12	3.6	
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	7.2	12	4.8	J
108-05-4	Vinyl acetate	ND	12	2.5	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U

7/31m

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-05D	Date Collected	: 06/14/22 12:06
Client ID	: MW-7	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:59
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A10	Instrument ID	: VOA122
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	6.2	1.8	U UJ
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
142-28-9	1,3-Dichloropropane	ND	6.2	1.8	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	6.2	1.8	U
108-86-1	Bromobenzene	ND	6.2	1.8	U
104-51-8	n-Butylbenzene	ND	6.2	1.8	U
135-98-8	sec-Butylbenzene	ND	6.2	1.8	U
98-06-6	tert-Butylbenzene	ND	6.2	1.8	U
95-49-8	o-Chlorotoluene	ND	6.2	1.8	U
106-43-4	p-Chlorotoluene	ND	6.2	1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
87-68-3	Hexachlorobutadiene	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
99-87-6	p-Isopropyltoluene	ND	6.2	1.8	U
91-20-3	Naphthalene	ND	6.2	1.8	U
103-65-1	n-Propylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.8	U
123-91-1	1,4-Dioxane	ND	620	150	U R
105-05-5	p-Diethylbenzene	ND	5.0	1.8	U
622-96-8	p-Ethyltoluene	ND	5.0	1.8	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	5.0	1.4	U
60-29-7	Ethyl ether	ND	6.2	1.8	U

7/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-05D	Date Collected	: 06/14/22 12:06
Client ID	: MW-7	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:59
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A10	Instrument ID	: VOA122
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	6.2	1.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-06D	Date Collected	: 06/14/22 11:55
Client ID	: MW-8	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 12:24
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A11	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	12	3.5	U
75-34-3	1,1-Dichloroethane	ND	12	3.5	U
67-66-3	Chloroform	ND	12	3.5	U
56-23-5	Carbon tetrachloride	ND	2.5	0.67	U
78-87-5	1,2-Dichloropropane	ND	5.0	0.68	U
124-48-1	Dibromochloromethane	ND	2.5	0.74	U
79-00-5	1,1,2-Trichloroethane	ND	7.5	2.5	U
127-18-4	Tetrachloroethene	540	2.5	0.90	
108-90-7	Chlorobenzene	ND	12	3.5	U
75-69-4	Trichlorofluoromethane	ND	12	3.5	U
107-06-2	1,2-Dichloroethane	ND	2.5	0.66	U
71-55-6	1,1,1-Trichloroethane	ND	12	3.5	U
75-27-4	Bromodichloromethane	ND	2.5	0.96	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.82	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.72	U
542-75-6	1,3-Dichloropropene, Total	ND	2.5	0.72	U
563-58-6	1,1-Dichloropropene	ND	12	3.5	U
75-25-2	Bromoform	ND	10	3.2	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.84	U
71-43-2	Benzene	ND	2.5	0.80	U
108-88-3	Toluene	ND	12	3.5	U
100-41-4	Ethylbenzene	ND	12	3.5	U
74-87-3	Chloromethane	ND	12	3.5	U
74-83-9	Bromomethane	ND	12	3.5	~~U~~ UJ
75-01-4	Vinyl chloride	ND	5.0	0.36	U

JG 7/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-06D	Date Collected	: 06/14/22 11:55
Client ID	: MW-8	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 12:24
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A11	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	12	3.5	U
75-35-4	1,1-Dichloroethene	ND	2.5	0.84	U
156-60-5	trans-1,2-Dichloroethene	ND	12	3.5	U
79-01-6	Trichloroethene	35	2.5	0.88	
95-50-1	1,2-Dichlorobenzene	ND	12	3.5	U
541-73-1	1,3-Dichlorobenzene	ND	12	3.5	U
106-46-7	1,4-Dichlorobenzene	ND	12	3.5	U
1634-04-4	Methyl tert butyl ether	ND	12	3.5	U
179601-23-1	p/m-Xylene	ND	12	3.5	U
95-47-6	o-Xylene	ND	12	3.5	U
1330-20-7	Xylenes, Total	ND	12	3.5	U
156-59-2	cis-1,2-Dichloroethene	ND	12	3.5	U
540-59-0	1,2-Dichloroethene, Total	ND	12	3.5	U
74-95-3	Dibromomethane	ND	25	5.0	U
96-18-4	1,2,3-Trichloropropane	ND	12	3.5	U
107-13-1	Acrylonitrile	ND	25	7.5	U
100-42-5	Styrene	ND	12	3.5	U
75-71-8	Dichlorodifluoromethane	ND	25	5.0	U
67-64-1	Acetone	8.0	25	7.3	J
75-15-0	Carbon disulfide	ND	25	5.0	U
78-93-3	2-Butanone	ND	25	9.7	U
108-05-4	Vinyl acetate	ND	25	5.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	U
591-78-6	2-Hexanone	ND	25	5.0	U
74-97-5	Bromochloromethane	ND	12	3.5	U

for 7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-06D	Date Collected	: 06/14/22 11:55
Client ID	: MW-8	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 12:24
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A11	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	12	3.5	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	10	3.2	U
142-28-9	1,3-Dichloropropane	ND	12	3.5	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	12	3.5	U
108-86-1	Bromobenzene	ND	12	3.5	U
104-51-8	n-Butylbenzene	ND	12	3.5	U
135-98-8	sec-Butylbenzene	ND	12	3.5	U
98-06-6	tert-Butylbenzene	ND	12	3.5	U
95-49-8	o-Chlorotoluene	ND	12	3.5	U
106-43-4	p-Chlorotoluene	ND	12	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	3.5	U
87-68-3	Hexachlorobutadiene	ND	12	3.5	U
98-82-8	Isopropylbenzene	ND	12	3.5	U
99-87-6	p-Isopropyltoluene	ND	12	3.5	U
91-20-3	Naphthalene	ND	12	3.5	U
103-65-1	n-Propylbenzene	ND	12	3.5	U
87-61-6	1,2,3-Trichlorobenzene	ND	12	3.5	U
120-82-1	1,2,4-Trichlorobenzene	ND	12	3.5	U
108-67-8	1,3,5-Trimethylbenzene	ND	12	3.5	U
95-63-6	1,2,4-Trimethylbenzene	ND	12	3.5	U
123-91-1	1,4-Dioxane	ND	1200	300	~~U~~ R
105-05-5	p-Diethylbenzene	ND	10	3.5	U
622-96-8	p-Ethyltoluene	ND	10	3.5	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	10	2.7	U
60-29-7	Ethyl ether	ND	12	3.5	U

6/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-06D	Date Collected	: 06/14/22 11:55
Client ID	: MW-8	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 12:24
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A11	Instrument ID	: VOA122
Sample Amount	: 2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	12	3.5	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-07	Date Collected	: 06/14/22 09:31
Client ID	: MW-10	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 13:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	3.8	0.50	0.18	
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

for 7/13/22

ALPHA ANALYTICAL

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-07	Date Collected	: 06/14/22 09:31
Client ID	: MW-10	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 13:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

JQ 7/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-07	Date Collected	: 06/14/22 09:31
Client ID	: MW-10	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 13:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 7/3/22

ALPHA ANALYTICAL

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-07	Date Collected	: 06/14/22 09:31
Client ID	: MW-10	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 13:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-08D	Date Collected	: 06/14/22 09:55
Client ID	: MW-XX MW-2A	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 12:49
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A12	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	U
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	180	1.0	0.36	
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
542-75-6	1,3-Dichloropropene, Total	ND	1.0	0.29	U
563-58-6	1,1-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	~~U~~ UJ
75-01-4	Vinyl chloride	ND	2.0	0.14	U

7/3/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-08D	Date Collected	: 06/14/22 09:55
Client ID	: MW-XX MW-2A	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 12:49
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A12	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	1.4	1.0	0.35	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
1330-20-7	Xylenes, Total	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.4	U
540-59-0	1,2-Dichloroethene, Total	ND	5.0	1.4	U
74-95-3	Dibromomethane	ND	10	2.0	U
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.4	U
107-13-1	Acrylonitrile	ND	10	3.0	U
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-05-4	Vinyl acetate	ND	10	2.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U

7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-08D	Date Collected	: 06/14/22 09:55
Client ID	: MW-XX MW-2A	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 12:49
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A12	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	5.0	1.4	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
142-28-9	1,3-Dichloropropane	ND	5.0	1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.4	U
108-86-1	Bromobenzene	ND	5.0	1.4	U
104-51-8	n-Butylbenzene	ND	5.0	1.4	U
135-98-8	sec-Butylbenzene	ND	5.0	1.4	U
98-06-6	tert-Butylbenzene	ND	5.0	1.4	U
95-49-8	o-Chlorotoluene	ND	5.0	1.4	U
106-43-4	p-Chlorotoluene	ND	5.0	1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
87-68-3	Hexachlorobutadiene	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
99-87-6	p-Isopropyltoluene	ND	5.0	1.4	U
91-20-3	Naphthalene	ND	5.0	1.4	U
103-65-1	n-Propylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.4	U
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.4	U
123-91-1	1,4-Dioxane	ND	500	120	~~U~~ R
105-05-5	p-Diethylbenzene	ND	4.0	1.4	U
622-96-8	p-Ethyltoluene	ND	4.0	1.4	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	4.0	1.1	U
60-29-7	Ethyl ether	ND	5.0	1.4	U

for 7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-08D	Date Collected	: 06/14/22 09:55
Client ID	: MW-XX MW-2A	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 12:49
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A12	Instrument ID	: VOA122
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	5.0	1.4	U

7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-09	Date Collected	: 06/14/22 13:15
Client ID	: FIELD BLANK	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

7/13/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-09	Date Collected	: 06/14/22 13:15
Client ID	: FIELD BLANK	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

JDR 7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-09	Date Collected	: 06/14/22 13:15
Client ID	: FIELD BLANK	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

for 7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-09	Date Collected	: 06/14/22 13:15
Client ID	: FIELD BLANK	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-10	Date Collected	: 06/14/22 00:00
Client ID	: TRIP BLANK	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A09	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	~~U~~ UJ
75-01-4	Vinyl chloride	ND	1.0	0.07	U

for 7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-10	Date Collected	: 06/14/22 00:00
Client ID	: TRIP BLANK	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A09	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	~~U~~ UJ
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

JA 7/31/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-10	Date Collected	: 06/14/22 00:00
Client ID	: TRIP BLANK	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A09	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	~~U~~ UJ
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	~~U~~ R
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

7/3/22

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: CA Rich Consultants, Inc.	Lab Number	: L2231684
Project Name	: CORNERSTONE	Project Number	: CORNERSTONE
Lab ID	: L2231684-10	Date Collected	: 06/14/22 00:00
Client ID	: TRIP BLANK	Date Received	: 06/15/22
Sample Location	: THIRD AVENUE, BRONX	Date Analyzed	: 06/24/22 11:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: PD
Lab File ID	: V22220624A09	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

APPENDIX F O&M CHECKLISTS

Operation and Maintenance Check List
Groundwater Pump and Treat System
Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Name: Jason Cooper/Jessica Proscia	Weather: Sunny 40s
Date: 12/14/2021	

Components to be Checked	Comments
System operating? Yes/No (if no please explain)	No - approved temporary shutdown
Pressure at compressor (psi).	—
Is the automatic drain on the compressor operating correctly? Yes/No (if no please explain)	—
Has the oil been changed? Yes/No (if no please explain)	Date: 2020
Have the compressor filters been changed? Yes/No (if no please explain)	Date: —
List condition of the carbon drums.	OK - rusty
Reading from flow meter.	87,271.2
Effluent sample obtained? yes/no	Date: NA Time: —
Are there any loose connections or leaks? (please check/tighten all bolts and nuts) Yes/No (if yes please explain)	—
Temperature from heat trace dial.	off
Note condition of vaults.	ok. MW-8 is rusty
Pressure from filter regulator.	MW-2A: — MW-6: — MW-7: — MW-8: —
Readings from cycle counter.	MW-2A: 17,225 MW-6: 431,766 MW-7: 420 MW-8: 184,189
Are all well caps secure? Yes/No (if no please explain)	yes
Pumps operating? Yes/No (if no please explain)	—
Has the air quality check been performed? Yes/No (if no please explain)	—
Have all air filters and filter bowl drains been checked? Yes/No (if no please explain)	—
Has the filter regulator been checked for saturation? Yes/No (if no please explain)	—
Additional comments:	

Operation and Maintenance Check List
Groundwater Pump and Treat System
Cornerstone Site B-1
3100 Third Avenue
Bronx, New York
BCP #C203044

Name: Mike Yager/Jessica Proscia	Weather: Overcast 70s
Date: 6/14/2022	
Components to be Checked	**Comments**
System operating? Yes/No (if no please explain)	No - approved temporary shutdown
Pressure at compressor (psi).	—
Is the automatic drain on the compressor operating correctly? Yes/No (if no please explain)	—
Has the oil been changed? Yes/No (if no please explain)	Date: 2020
Have the compressor filters been changed? Yes/No (if no please explain)	Date: —
List condition of the carbon drums.	OK - rusty
Reading from flow meter.	87,271.2
Effluent sample obtained? yes/no	Date: NA Time: —
Are there any loose connections or leaks? (please check/tighten all bolts and nuts) Yes/No (if yes please explain)	—
Temperature from heat trace dial.	off
Note condition of vaults.	ok. MW-8 is rusty
Pressure from filter regulator.	MW-2A: — MW-6: — MW-7: — MW-8: —
Readings from cycle counter.	MW-2A: 17,225 MW-6: 431,766 MW-7: 420 MW-8: 184,189
Are all well caps secure? Yes/No (if no please explain)	yes
Pumps operating? Yes/No (if no please explain)	—
Has the air quality check been performed? Yes/No (if no please explain)	—
Have all air filters and filter bowl drains been checked? Yes/No (if no please explain)	—
Has the filter regulator been checked for saturation? Yes/No (if no please explain)	—
Additional comments:	

APPENDIX G

NYCDEP Discharge Sampling Requirement

Jason Cooper

From: Hulbert, Sean <shulbert@dep.nyc.gov>
Sent: Tuesday, November 27, 2018 11:14 AM
To: Jason Cooper
Cc: Adi Dor (ador@ccmanagers.com)
Subject: RE: Cornerstone Discharge letter and results

Good Morning Jason,

I hope you are well today.

I hope you had a good Thanksgiving.

Thank you for providing these sampling results.

FYI – the Letter of Approval dated September 28, 2018 does not require quarterly sampling.

However, you may continue to perform sampling if you choose.

Thank you.

Sean H. Hulbert, P.E. | Assistant Chemical Engineer | Division of Pollution Control and Monitoring | Bureau of Wastewater Treatment | NYC Environmental Protection
(O) (718) 595-4715 | (F) (718) 595-4771 | shulbert@dep.nyc.gov

From: Jason Cooper <JCooper@carichinc.com>
Sent: Tuesday, November 20, 2018 11:42 AM
To: Hulbert, Sean <shulbert@dep.nyc.gov>
Cc: Adi Dor (ador@ccmanagers.com) <ador@ccmanagers.com>
Subject: Cornerstone Discharge letter and results

Sean,
Attached are the letter and results.

Jason Cooper, PG
Senior Project Manager
CA RICH Consultants, Inc.
17 Dupont Street
Plainview, NY 11803
Office Phone: 516-576-8844 Ext. 208