

FAY REALTY INC.
434-440 RIVERDALE AVENUE
YONKERS, NEW YORK 10705
NYSDEC P-SITE: 360197

SITE CHARACTERIZATION REPORT

SUBMITTED TO:



New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor,
Albany, NY 12233-7014

PREPARED FOR:

Fay Realty Inc.
85 Nassau Drive
Great Neck, New York 11021

PREPARED BY:



P.W. Grosser Consulting, Inc.
630 Johnson Avenue, Suite 7
Bohemia, New York 11716
Phone: 631-589-6353
Fax: 631-589-8705

Jennifer Lewis, PG, Vice President
Michael Gaul, Project Manager

JenniferL@pwgrossex.com
mgaul@pwgrossex.com

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ACRONYM	DEFINITION
ACO	Administrative Settlement
ASP	Analytical Services Protocol
ASTM	American Society for Testing and Materials
AWQS	Ambient Water Quality Standard
CAMP	Community Air Monitoring Program
C&D	Construction & Demolition debris
CBRE	CBRE, Inc.
CFR	Code of Federal Regulations
CVOC	Chlorinated Volatile Organic Compound
DCE	cis-1,2-Dichloroethene
DER	Department of Environmental Remediation
DUSR	Data Usability Summary Reports
ELAP	Environmental Laboratory Approval Program
EM	Electromagnetic
ESA	Environmental Site Assessment
ESI	Environmental Site Investigation
GPR	Ground Penetrating Radar
GQS	Groundwater Quality Standard
GV	Guidance Value
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCE	Tetrachloroethylene
PDR	Personal DataRAM
PID	Photo-ionization Detector
PWGC	P.W. Grosser Consulting, Inc.
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance / Quality Control
QEP	Qualified Environmental Professional
REC	Recognized Environmental Condition
SCO	Soil Cleanup Objective
SCR	Site Characterization Report
SCWP	Site Characterization Workplan
SDG	Sample Delivery Group



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ACRONYM	DEFINITION
SOP	Standard Operating Procedure
SSDS	Sub Slab Depressurization System
TCE	Trichloroethylene
TSA	Transaction Screen Analysis
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound



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Appendix F	Monitoring Well Sampling Logs
Appendix G	Soil Vapor Logs
Appendix H	Soil Vapor Matrices
Appendix I	Data Usability Summary Report



CERTIFICATION

I, Jennifer Lewis, PG, certify that I am currently a NYS registered professional geologist as defined in 6 NYCRR Part 375 and that this Site Characterization Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

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



Signature

8/19/2022

Date

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer or geologist in accordance with Section 7209(2), Article 145, New York State Education Law.



1.0 INTRODUCTION

P.W. Grosser Consulting, Inc. (PWGC) has prepared the following Site Characterization Report (SCR) to outline procedures, scope of work, and analytical results intended to identify and delineate potentially impacted areas of concern at a former dry-cleaning site, formerly known as Riverdale Dry Cleaners ("Site") located at 434-440 Riverdale Ave., Yonkers, New York.

The Site Owner, Fay Realty Inc., has been compelled by the New York State Department of Environmental Conservation's (NYSDEC) Division of Environmental Remediation (DER), via an Administrative Consent Order and Administrative Settlement (ACO) executed on July 29, 2020, and filed as Index #CO3-20191223-299, to perform a site characterization investigation. The Site has been listed with a P-Listing #360197. A Site Characterization Workplan was submitted to NYSDEC by Eastern Environmental Solutions (Eastern) in August 2021 and subsequently approved on August 10, 2021. An addendum to the workplan was prepared by PWGC in January 2022 to limit the site characterization to the contaminants of concern, to delineate potential areas of concern within the property boundary, and evaluate whether off-site, up-gradient properties may be contributing to contaminants observed on-site. This SCR has been prepared to document and summarize that effort.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description

The Site is located at 434 Riverdale Avenue, Yonkers, New York. The Site is located within the City of Yonkers and Westchester County. The Site is identified as Tax Map parcel number 1.-132-14.16. The Site is an irregularly shaped parcel located on the northeast corner of the intersection of Riverdale Avenue and St. Andrews Place. The Site is located in a mixed-use commercial and residential area. A Vicinity Map is included as **Figure 1**. A Site Plan is included as **Figure 2**.

The Site is currently improved with a commercial building housing several businesses. The northernmost commercial space, 434 Riverdale Avenue, was occupied by a dry cleaner from approximately 2000 through 2014. The space has remained unoccupied since that time; however, it has been rented to a business and used solely for storing used household appliances. The former dry-cleaning equipment was historically located toward the front of the space, nearest to Riverdale Avenue. There are no records or accounts of where the former dry-cleaning waste was disposed of.

Other addresses associated with the Site and the current occupants are listed below and shown on **Figure 2**.

434 Riverdale Avenue- Formerly a dry-cleaner, but currently a non-retail appliance storage space.

436 Riverdale Avenue- Lorena Mex Mini Market (supermarket)

438 Riverdale Avenue- Salon Fancy Spa, a nail salon

440 Riverdale Avenue- El Valle Restaurant

442 Riverdale Avenue- Food Center Deli

97-99 St Andrews Place- D&K Laundry (a laundromat)

The basement spaces beneath 434, 436, and 438 Riverdale Avenue are connected internally by doors and is accessible from the supermarket unit. The basements in 440 Riverdale Avenue, 442 Riverdale Avenue, and 97-99 St Andrews Place are only accessible from the ground floor and are not interconnected.



The Site is bounded by a commercial and residential building to the north, St Andrews Place to the south, Riverdale Avenue to the west, and commercial and residential buildings to the east. The majority of the surrounding properties are zoned as mixed residential and commercial use.

2.2 Site History

According to an initial Site Characterization Work Plan prepared by Eastern, the Site was developed with the existing one-story building sometime prior to 1942. Historic uses of the Site include the following: dry cleaning operations, a laundromat, pharmacies, a 99-cent store, grocery stores, restaurants, offices, nail salons, a stationary store, a housewares shop, a peddler, and a cleaning service. The northern portion of the Site (434 Riverdale Avenue) operated as a dry cleaner for at least 14 years, from 2000-2014.

NYSDEC has designated the Site as a potential site (P-Site), indicating that the available information suggests the presence of hazardous waste at the Site and that a site characterization is needed. An Administrative Settlement (ACO) between Fay Realty and NYSDEC was executed in July 2020 and filed as Index # CO3-20191223-299. Requirements contained within the ACO included the preparation of a SCWP and payment of past and future costs incurred by NYSDEC in connection with the Site.

2.3 Regional Geology/Hydrogeology

The geologic setting of the region is well documented. The area is underlain by tightly folded, metamorphic rocks. Erosion of these formations has resulted in the formation of outcrops in the general area. The bedrock beneath the site is the Manhattan schist. The bedrock beneath the site is overlain by thin deposits of Pleistocene age glacial outwash deposits (sand and gravel). According to the United States Department of Agriculture Web Soil Survey, soils beneath the site consist of urban lands.

2.4 Site Geology/Hydrogeology

Based on this investigation at the Site, stratigraphy at the property, from the surface down, consists of fill material and sandy silt from grade to depths ranging from at least two to five feet below grade. The depth to groundwater beneath the Site ranges from approximately 8.5 feet to 13.22 feet below sidewalk grade across the Site. The depth to groundwater beneath the top of basement slab grade ranged from 0.5 feet to 5.22 feet. The differential in the depth to groundwater is believed to be primarily as a result of the varied site elevation.



Groundwater beneath the Site appears to flow toward the west. The site elevation ranges between 88 and 92 feet as per Google Earth.

2.5 Current Site Use

The Site is currently occupied by a commercial building housing several businesses, including an unoccupied household appliance storage space (434 Riverdale Avenue), a grocery store (436 Riverdale Avenue), a nail salon (438 Riverdale Avenue), a restaurant (440 Riverdale Avenue), a delicatessen (442 Riverdale Avenue), and a laundromat (97-99 St. Andrews Place).

2.6 Future Site Use

The existing general Site use is not intended to change.

2.7 Previous Environmental Reports

No previous intrusive environmental studies have been conducted at the Site; however, a Limited Phase II Environmental Site Investigation (ESI) was performed by CBRE, Inc. (CBRE) at the north adjoining property (432 Riverdale Avenue) in May 2018. Subsequently, an environmental review memorandum of the 434 Riverdale Avenue portion of the Site was prepared by Tenen Environmental in March 2019. These reports are included in the SCWP, which is included as **Appendix A**.

2.7.1 May 2018 Limited Phase II Investigation by CBRE

In May 2018, CBRE conducted a Limited Phase II ESI on the north adjoining property (432 Riverdale Avenue). An initial Transaction Screen Analysis (TSA) identified historical dry-cleaning operations at the Site as a Recognized Environmental Condition (REC). A subsequent limited Phase II ESI was conducted at 432 Riverdale Avenue to assess the presence of chlorinated solvents in soil vapor, indoor air, and ambient air. One sub-slab soil vapor sample, two indoor air samples, and one outdoor ambient air sample (from the rear yard of the building) were collected and analyzed for volatile organic compounds (VOCs).

The results of the sample analysis showed tetrachloroethene (PCE), a common dry-cleaning solvent, and cis-1,2-dichloroethene (DCE), a breakdown product of PCE, were detected in the sub-slab soil vapor sample collected directly north of the Site at elevated concentrations. Based on the New York State Department of Health (NYSDOH) soil vapor decision matrices contained in the Final Guidance for Evaluating Soil Vapor Intrusion in the



State of New York (NYSDOH, October 2006, updated May 2017), the concentrations of PCE and DCE detected in sub-slab soil vapor and indoor air are within the range where mitigation is recommended. Concentrations of PCE and trichloroethene (TCE), a breakdown product of PCE, were detected in the indoor air sample co-located with the soil vapor sample directly north of the Site at concentrations exceeding their respective NYSDOH Air Guidance Values. The limited Phase II ESI identified Site operations as the potential source of chlorinated solvents in soil vapor and indoor air at 432 Riverdale Avenue.

Based upon the findings of the CBRE investigation, an active sub-slab depressurization system (SSDS) was installed at 432 Riverdale Avenue to address the soil vapor intrusion of chlorinated volatile organic contaminants (CVOCs) into indoor air. A pilot study was conducted in November 2018 and the SSDS was installed in March 2019. PWGC did not have access to a full report documenting the system installation; however, PWGC was provided with a data table that included system influent results from March 2019, July 2019, October 2019, and January 2022. PCE in the March 2019 influent sample was 90,000 $\mu\text{g}/\text{m}^3$; the three subsequent results were 360 $\mu\text{g}/\text{m}^3$ or less. Similar dramatic decreases were observed in the TCE and DCE concentrations during the same time period.

2.7.2 March 2019 Environmental Review Memorandum by Tenen

An environmental review memorandum was prepared by Tenen in March 2019 for 434 Riverdale Avenue which summarized the historical information pertaining to the Site, specifically that it contained a drycleaning operating from at least 2000 to 2014, and discusses other potential sources of the environmental impacts observed at 432 Riverdale Avenue which included several other drycleaning operations in the vicinity of the Site.



3.0 STANDARDS, CRITERIA, AND GUIDANCE (SCGS)

Based on previous investigations at the Site and neighboring property, the primary chemicals of potential concern (COPC) to be encountered at the Site are VOCs related to the historical usage of the Site as a dry-cleaning facility.

Applicable regulations at NYSDEC 6 NYCRR Part 375 provide soil cleanup objectives (SCOs) for Unrestricted Use, or restricted use based on the intended usage of the property. Restricted use SCOs include Commercial Use SCOs. The goal of the Site Characterization is to investigate the potential contamination related to the former dry-cleaning facility on a commercial property; therefore, soil sample results will be compared to both Unrestricted Use SCOs and Commercial Use SCOs.

Groundwater sample results will be compared to the NYSDEC Class GA Ambient Water Quality Standards (AWQS) as specified in the Technical Operation and Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values.

Soil vapor and indoor air results will be compared to the applicable Soil Vapor/Indoor Air Decision Matrices specified in NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York.

4.0 SITE CHARACTERIZATION INVESTIGATION

The primary objective of the work performed as part of this Site Characterization was to collect information and field data necessary to investigate and assess the potential onsite contamination. The Scope of Work for this Site Characterization to address the AOCs detailed above included the following tasks:

- Characterization of onsite soils
- Characterization of onsite and upgradient groundwater
- Characterization of onsite soil vapor

This Site Characterization was performed in accordance with Eastern's SCWP and PWGC's Addendum to the SCWP.

4.1 Community Air Monitoring Program (CAMP)

CAMP monitoring was initially performed using a handheld photoionization detector (PID) and a personal DataRAM (PDR) dust monitor prior to deployment of a CAMP monitoring station downwind of intrusive sitework performed on St Andrews Place during the installations of MW001 and MW002. Upwind and downwind data was compared to evaluate potential impact to air quality. Evidence of elevated VOCs and / or dust at concentrations greater than action levels attributed to Site activities was not identified.

4.2 Soil Lithology

In general, soil lithology beneath the Site was catalogued from grade to the point of the groundwater table, which varied from approximately 8.5 feet to 13.22 feet below sidewalk grade. The depth to groundwater beneath the top of basement slab grade ranged from 0.5 feet to 5.22 feet. The differential in the depth to groundwater is believed to be primarily as a result of the varied site elevation, which ranged approximately four feet across the site. Soils were field screened for the presence of VOCs using a photoionization detector (PID) and classified in accordance with the Unified Soil Classification System (USCS). Soils varied in composition from native soils consisting of grey-brown silts and fine sand, to fill materials comprised of silty fill with concrete and corroded metals with trace paper, plastic film, to incineration byproducts consisting of ash, slag, and coal fragments. It appeared that some areas had evidence of historic fill and soils encountered onsite were non-homogenous. Evidence of CVOC impact in the form of a PID response, visible staining, or a solvent odor was not identified. Soil boring logs are included as **Appendix B**.

4.3 Soil Quality Evaluation

To further characterize subsurface conditions at the Site, seven soil borings were installed (SB001 through SB007). Soil boring locations are illustrated in **Figure 2**.

Soil borings were installed utilizing a hand auger and/or a jackhammer fitted with a direct-push rod to advance through tighter formations at depth. Soils were collected continuously from ground surface to the groundwater table, which ranged from approximately 8.5 feet to 13.22 feet below sidewalk grade. The depth to groundwater beneath the top of basement slab grade ranged from 0.5 feet to 5.22 feet. The differential in the depth to groundwater is believed to be primarily as a result of the varied site elevation, which ranged approximately four feet across the site. Non-dedicated sampling equipment was decontaminated using an Alconox cleansing solution and distilled water.

4.3.1 Sampling Protocol

One soil sample was collected from each boring location for laboratory analysis. The blind duplicate (DUP001) was collected from SB-002 (0-2'). Due to the lack of evidence of CVOC contamination, samples were collected from the 0 to 2' interval in each soil boring, which is located at or just above the water table.

Samples were collected in pre-cleaned, pre-preserved, laboratory-supplied glassware and stored in a cooler on ice for transport to the laboratory. Samples were submitted to York Analytical of Stratford, Connecticut (York), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP ID: 10854). Each of the collected soil samples were analyzed for:

- TCL VOCs by USEPA Method 8260

Soil samples were collected in Terra-core sampling devices to minimize VOC loss.

4.3.2 Analytical Results

Soil sample results are compared to the Unrestricted Use SCOs and Commercial Use SCOs specified in 6 NYCRR Part 375, Environmental Remediation Programs (December 2006). Analytical data are summarized in **Table 1**; laboratory reports are included as **Appendix C**.

None of the sampling results were detected at or greater than their Unrestricted Use SCOs or Commercial Use SCOs; however, the compounds PCE (max 0.096 mg/kg), TCE (max 0.069 mg/kg), and/or DCE (max 0.19 mg/kg) were detected in three of the soil samples from SB-001, SB-002, and SB-007.

4.3.3 Discussion of Results

No significant evidence of VOC impact to soils was observed at the Site, with no analytes detected at concentrations that exceeded their Unrestricted Use SCOs or Commercial Use SCOs. The detectable concentrations of chlorinated solvents were identified in SB-001 and SB-002 which were both collected from the smear zone of the groundwater table and their detections could potentially be related to contaminants observed in the groundwater, discussed in Section 4.4.

4.4 Groundwater Quality Evaluation

To evaluate water quality upgradient, downgradient, and within the footprint of the property, a total of six monitoring wells were installed within the Site and in the vicinity of the Site, developed, and sampled. Copies of the monitoring well construction logs are included in **Appendix B**. The monitoring well locations are illustrated in **Figure 2**.

4.4.1 Well Installation

Six monitoring wells (MW001 through MW006) were installed during the Site characterization. A Geoprobe[®] 7822DT utilizing direct push technology was used to install the two off-Site monitoring wells (MW001 and MW002) to an approximate depth of 18-20 ft below sidewalk grade. These two wells were comprised of 10-foot sections of 2-inch Schedule-40 PVC screens (0.010-inch slot) with a 2-inch Schedule-40 casing that extended to grade. The annulus around these screen sections was filled with a sand filter pack (FilPro #1), before a 2-foot section of wetted bentonite was applied to seal the annulus around the casing.

The remaining four wells were installed in the basements of the existing buildings and were installed using a hand auger to insert a 5-foot section of 1-inch screen Schedule-40 PVC screen into the groundwater interface, which was encountered between approximately 0.5 feet and 5.22-feet below basement grade. Due to tight formations and/or obstructions encountered during hand auger borings, a Bosch Jackhammer was used to facilitate advancement for the install of MW005 and MW006.

Monitoring wells installed on the sidewalk and within active working areas were secured with a flush mount well casing. Monitoring well construction logs are included in **Appendix B**.

4.4.2 Well Development

Following installation, monitoring wells were developed by over-pumping to restore the hydraulic properties of the aquifer. Well development continued until the turbidity of the groundwater was less than or equal to 50 Nephelometric Turbidity Units (NTUs), and pH, temperature, and conductivity measurements were stabilized. Stabilization was considered achieved when three consecutive readings of these field parameters are within five percent of each other over a period of 15 minutes. Due to the low yield of the installed 1-inch monitoring wells (MW003 through MW006), these wells were not able to be stabilized, but were purged dry. Purged wastewater was containerized and disposed at an authorized wastewater disposal facility. The Well Development Logs are attached as **Appendix D**. Disposal receipts for purged water are included as **Appendix E**.

4.4.3 Sampling Protocol

Groundwater samples were collected using a peristaltic pump fitted with dedicated low-density polyethylene (LDPE) and Polytetrafluoroethylene (Masterflex) tubing in accordance with United States Environmental Protection Agency (USEPA) Low Stress (Low Flow) Purging and Sampling Procedure for The Collection of Groundwater Samples from Monitoring Wells (September 2017). A Horiba U-52 multi-parameter water quality meter outfitted with a flow through cell was utilized to monitor field parameters (turbidity, pH, temperature, oxidation reduction potential (ORP), dissolved oxygen (DO) and conductivity) at 5-minute intervals. Upon stabilization of field parameters (when feasible) groundwater samples were collected. Stabilization was not able to be achieved at MW002 due to the pump malfunctioning at the end of the day. Due to the low yield of the installed 1" monitoring wells (MW003 through MW006), these wells were not able to be stabilized, but were purged beyond the point of reasonable recharge and were purged dry. Once these wells did recharge, samples were collected which are considered representative of the surrounding aquifer. The blind duplicate sample was collected from MW001. Samples were collected and handled in accordance with Section 3.2- Groundwater Sampling and 3.4 Quality Assurance/ Quality Control (QA/QC) of the approved Site Characterization Work Plan. Non-dedicated sampling equipment was decontaminated using an Alconox solution and distilled water rinse. Disposal receipts for purged water are included as **Appendix E**. Well Sampling Logs are included as **Appendix F**.

Samples were collected in pre-cleaned, pre-preserved, laboratory supplied glassware and stored in a cooler on ice for transport to the laboratory. Samples were submitted to York. Each groundwater sample was analyzed for the following:

- TCL VOCs by USEPA Method 8260

4.4.4 Analytical Results

Groundwater sample results are compared to the Class GA Ambient Water Quality Standards (AWQS) specified in Technical and Operational Guidance Series (TOGS) 1.1.1, Ambient Water Quality Standards and Guidance Values on Groundwater Effluent Limitations, June 1998. Analytical data are summarized in **Table 2**; laboratory reports are included as **Appendix C**.

PCE, TCE, or DCE were detected in five of the six samples; however, only well MW003 contained exceedances of AWQs for these three compounds. PCE was detected at 32.1 µg/L, TCE was detected at 7.38 µg/L, and DCE was detected at a concentration of 48.6 µg/L. MW003 is located in the northwestern portion of the Site, within the area identified as the former Riverdale Dry-Cleaners.

4.4.5 Discussion of Results

Groundwater exceedances at the Site were confined the area of MW003, located within the footprint of the former Riverdale Dry-Cleaners. Of the two off-Site wells that were installed at a location potentially up-gradient of the Site, it does not appear that they are contributing to contamination observed beneath the Site or the adjoining property at 432 Riverdale Avenue.

4.5 Soil Vapor Evaluation

To evaluate potential soil vapor impact beneath the Site, five soil vapor samples were collected, with at least one from each of the four compartmentalized basement spaces. Each of the installed sub-slab vapor points was accompanied by a corresponding indoor ambient air sample, placed in the vicinity of each sub-slab vapor point. An outdoor ambient air sample was placed at an upwind location from the Site. Based upon observed site conditions on the sampling date, the outdoor ambient air sample was placed on the adjacent sidewalk northwest of the Site. Each of the indoor and outdoor ambient air samples were placed in the breathing zone (three to five feet above the local grade). Soil vapor sampling points are illustrated in **Figure 2**.

4.5.1 Sampling Protocol

Sampling points were installed using a hammer drill rig to penetrate the slab to a depth of approximately two inches beneath the slab. Sampling points were fitted with inert polyethylene tubing to grade. Each sampling point was sealed above the sampling zone with bentonite slurry to grade to prevent outdoor air infiltration.

A tracer gas (helium) was utilized to test the seal around the soil vapor points. Once the integrity of the seal was confirmed at each location, three volumes of air were extracted from each point prior to sample collection with a flow rate of less than 0.2 liters/minute. Soil vapor samples were collected using batch certified 6-liter SUMMA vacuum canisters fitted with 24-hour flow control regulators with a flow rate of less than 0.2 liters/minute. Methodologies used for soil vapor assessment conform to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. A copy of the Soil Vapor Sampling Logs is included as **Appendix G**.

Samples were submitted to York. Each soil vapor was analyzed for VOCs by USEPA Method TO-15, while each corresponding indoor ambient sample and the outdoor ambient samples was analyzed for VOCs by USEPA Method TO-15 Secondary Ion Mass Spectrometry (SIMS).

4.5.2 Analytical Results

Soil vapor sample results are presented as data summaries as NYSDEC and NYSDOH have not established standards or guidance values for soil vapor impact. Analytical data are summarized in **Table 3**; laboratory reports are included as **Appendix C**.

Each sample contained multiple detections of VOCs. PCE, TCE, and/or DCE was detected in each sub-slab vapor sample and indoor air sample, but they were not detected in the outdoor air sample. The highest sub-slab vapor concentration of PCE ($58.8 \mu\text{g}/\text{m}^3$) was detected in the sample collected beneath the western side of the laundromat (south side of the property); the sample closest to the former drycleaner contained a PCE concentration of $3.58 \mu\text{g}/\text{m}^3$. The highest indoor air concentration of PCE was detected in the western side of the laundromat at a concentration of $5.93 \mu\text{g}/\text{m}^3$; the sample closest to the former drycleaner contained a PCE concentration of $1.35 \mu\text{g}/\text{m}^3$.



4.5.3 Discussion of Results

There are eight CVOCs included in the NYSDOH soil decision matrices. Five of these eight CVOCs for which NYSDOH has established soil vapor/indoor air decision matrices were detected in at least one soil vapor sample at the Site. The detected compounds were carbon tetrachloride, DCE, methylene chloride, PCE, and TCE. When comparing concentrations of these compounds with their respective matrices, a decision of no further action was yielded at each of the sample locations for each compound. The sample that contained the greatest concentration of total CVOCs (only those listed in Soil Vapor Matrices) was determined to be SV-Laundromat West, with a total concentration of 59.153 ($\mu\text{g}/\text{m}^3$), while the lowest observed concentration in a sub-slab sample was SV-Supermarket at 5.67 ($\mu\text{g}/\text{m}^3$). The lack of significant CVOC impact in soil vapor samples from these samples was generally consistent with the lack of CVOC impact to soil and groundwater in these areas. Soil vapor matrices are included as **Appendix H**.

Although higher sub-slab vapor concentrations of PCE were previously observed at the adjacent property prior to the installation of the SSDS, it appears that the volume of soil vapor contamination was relatively small and the operation of the system has removed the bulk of residual soil vapor contamination beneath the Site.

5.0 QUALITY ASSURANCE/QUALITY CONTROL

The overall quality assurance quality control (QA/QC) objective for the field investigation was to develop and implement procedures that provide data of known and documented quality. QA/QC characteristics for data include precision, accuracy, representativeness, completeness, and comparability. The purpose of the QA/QC activities developed for this Site were to verify the integrity of the work performed and data collected is of the appropriate type and quality for the intended use.

5.1 QA/QC Samples

To assess the adequacy of the sample collection and decontamination procedures performed in the field, QA/QC samples were collected and analyzed throughout the field sampling program. In general, QA/QC samples confirmed that the procedures performed in the field were consistent and acceptable. Reported detections in the trip and field blanks did not impact the interpretation of sample data. QA/QC samples included trip blanks, equipment blanks, blind duplicates, matrix spike (MS), and matrix spike duplicates (MSD). Types and frequencies of field QA/QC samples are listed in the table below:

Type	Frequency
Trip Blank	One per day (when VOC samples collected)
Equipment Blank	One per matrix sampled
Blind Duplicate	One per 20 samples per matrix
Matrix Spike/Matrix Spike Duplicate (MS/MSD)	One per 20 samples per matrix

During the project two blind duplicates (one soil and one water), two MS/MSD (one soil and one water), three trip blanks, and three equipment blanks were prepared and submitted for analysis in accordance with the project QAPP.

Targeted analytes were detected at concentrations greater than the laboratory MDL in all three trip blanks and one equipment blank. These analytes include:

- Low-level concentrations of acetone, 2-butanone, and 2-hexanone in all three trip blanks included in coolers. One detection of acetone was accompanied by a B qualifier, which indicates that the analyte was found in the analysis batch blank.

- Four analytes were detected in the equipment blank collected on March 9, 2022. The equipment blank was collected from a decontaminated hand auger used to collect soil samples. Analytes detected in the equipment blank include 1,1,2-Trichloroethane, 1,2-Dichloroethane, 4-methyl-2-pentanone, and tert-Butyl alcohol. Two of these analytes, 1,1,2-Trichloroethane and 1,2-Dichloroethane, were detected at concentrations that exceed their respective AWQS standards
 - 1,1,2-Trichloroethane (New York TOGS 1.1.1 Ambient Water Quality Standards 1 ug/L)
 - 03/09/2022- 2.160 ug/L
 - 1,2-Dichloroethane (New York TOGS 1.1.1 Ambient Water Quality Standards 0.6 ug/L)
 - 03/09/2022- 0.770 ug/L

The compounds detected in the field and equipment blanks were not detected in soil or groundwater samples collected from the Site at concentrations exceeding their applicable standards. This indicates that sample collection procedures and/or ambient conditions are unlikely to have significantly impacted environmental samples collected from the Site during implementation of the SC.

5.2 Data Usability and Validation

In accordance with the approved SCWP, independent third-party data validation was performed by Laboratory Data Consultants, Inc., of Carlsbad, California. Full data validation was performed on 5% of the data generated or one sample per Sample Delivery Group (SDG), whichever was greater. Remaining data received a summary validation as detailed in the Data Usability Summary Reports (DUSRs).

All data were deemed acceptable by the data validator, with minor qualifications due to calibration outliers (secondary source verification exceedances and continuing calibration exceedances), trip blank and equipment blank contamination (which resulted in the modification of one 2-Butanone detection [SB-002 0-2'] and one Acetone detection [SB-007 0-2'] each to non-detects at the reporting limit), or laboratory quality control outliers (low LCS/LCSD percent recoveries).

A copy of the DUSR is included as **Appendix I**.

6.0 Deviations from Approved Site Characterization Workplan and SCWP Addendum

Deviations from the approved SCWP were as follows:

- MW002 was moved further east along the sidewalk on the south side of St Andrews Place due to repeated drilling refusal.
- MW001 was installed in the sidewalk on north side of St. Andrews Place as opposed to the originally proposed location on west side of Gray Place to avoid overhead obstructions and to allow for drilling accessibility.
- The proposed monitoring well in the onsite courtyard was not installed due to the lack of Geoprobe access. Hand tools were utilized in an attempt to install the well; however, multiple refusals were encountered and it could not be installed.
- An additional soil vapor point and corresponding indoor ambient air sample was placed in the basement of the El Valle Restaurant, which does not connect to adjacent basement spaces.
- A monitoring well survey was not performed due to the complexity of the basement configurations where the majority of the monitoring wells were located.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Site Characterization Investigation

Eastern Environmental prepared an SCWP dated August 2021, that was approved by NYSDEC on August 10, 2021. An SCWP Addendum, dated January 2022, was prepared by PWGC and approved by NYSDEC on January 31, 2021. The purpose of the Site Characterization was intended to evaluate the potential presence of CVOC contamination within the property boundary. The implementation of the SCWP resulted in the following findings:

- The static water table elevation at the Site ranges from six inches below the basement slab at MW003 and MW004 (estimated 8.5-9.5 ft below sidewalk grade), to approximately 5 feet below the basement slab at MW005 (estimated 13-13.5 ft below sidewalk grade). The differential in the depth to groundwater is believed to be primarily as a result of the varied site elevation, which ranged approximately four feet across the site.
- A total of six soil borings were installed at the Site. Borings were installed to depths of up to 9 feet below grade, with a soil sample collected from the 0-2' interval in each boring. The soil lithology consisted of historic fill overlaying sandy silt. Evidence of CVOC contamination in the form of PID response, visible staining, or a solvent odor was not identified
 - There were no exceedances of Unrestricted Use SCOs in the soil samples; however, PCE, TCE, and/or DCE were detected at low concentrations in three of the samples beneath the building.
- A total of six monitoring wells were installed and six groundwater samples were collected. Two of the monitoring wells were off-site to evaluate the potential for off-site contamination migrating beneath the Site.
 - One monitoring well contained exceedances of AWQs and is located in the vicinity of the former drycleaner unit. PCE was detected at 32.1 µg/L, TCE was detected at 7.38 µg/L, and DCE was detected at 48.6 µg/L. The presence of TCE and DCE indicates that the PCE is naturally degrading. PCE, TCE, and/or DCE were detected in five of the six wells; however, they included estimated concentrations that did not exceed AWQs. The off-site wells did not indicate the presence of an off-site source in these areas.
- Five soil vapor samples were collected throughout the footprint of the Site. VOC concentrations detected in soil vapor and indoor air were not observed at concentrations that included a recommendation of additional monitoring or remediation via the NYSDOH soil vapor matrices.

- The soil vapor sample SV-Supermarket was the sample located in the immediate area of the former Riverdale Dry-Cleaners and the monitoring well that contained exceedances of PCE, TCE, and DCE. The PCE concentration in this soil vapor sample was $3.58 \mu\text{g}/\text{m}^3$. The highest sub-slab soil vapor sample was collected beneath the laundromat which contained a PCE concentration of $58.8 \mu\text{g}/\text{m}^3$ and is the furthest sample from the active SSDS located at 432 Riverdale Ave.

7.2 Recommendations

Based upon the observations and data generated during the SC, PWGC believes that the contaminants of concern have been sufficiently investigated and have determined that no further action is necessary. Analytical data collected during the site investigation indicates that limited contamination was identified and that the operation of the adjacent, active SSDS likely removed the bulk of the sub-slab vapor contamination while contamination in the one monitoring well closest to the source area is naturally attenuating.

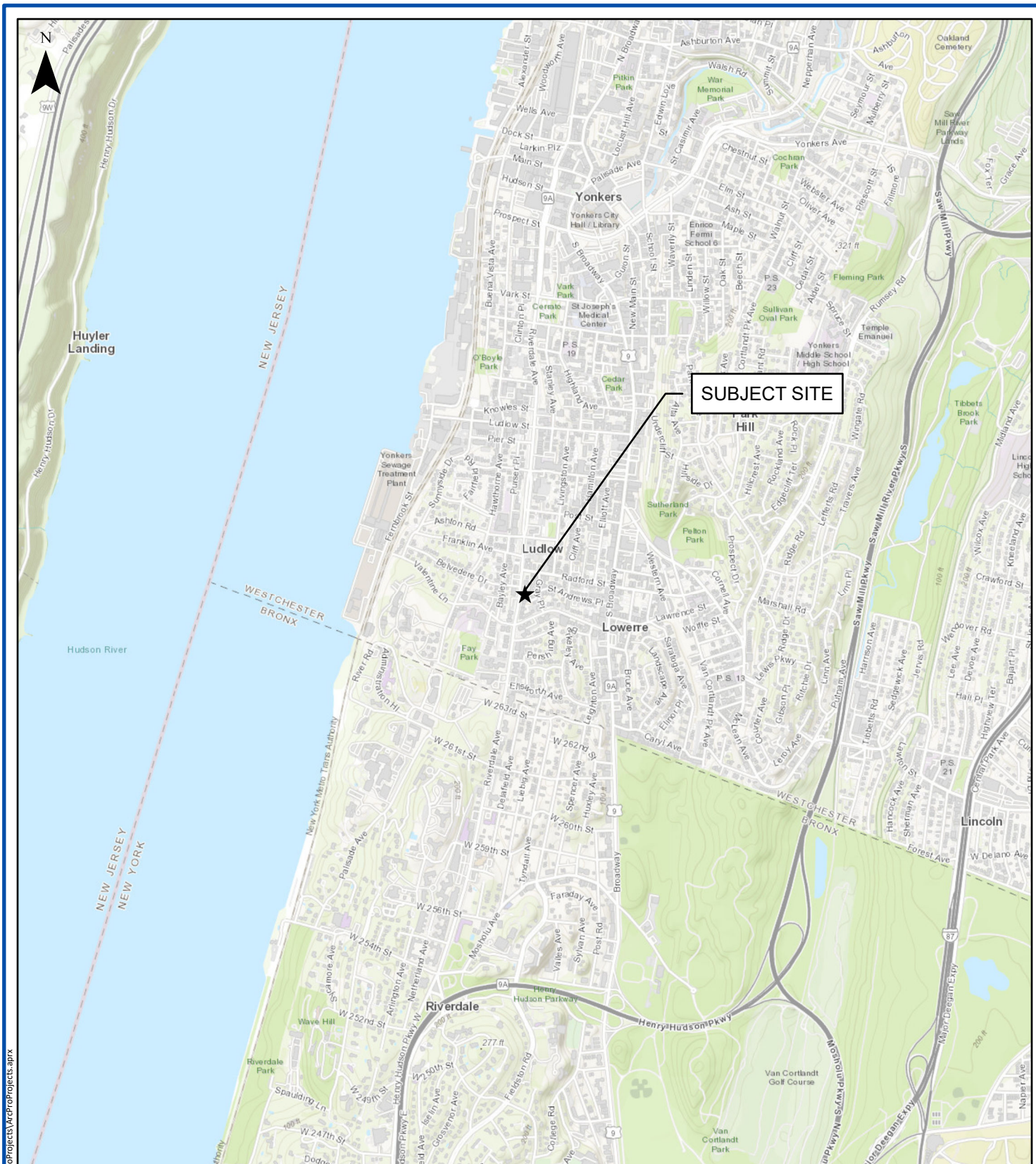
Prior to converting the active SSDS at the neighboring property to a passive system, PWGC does recommend that a soil vapor intrusion study, to be approved by NYSDEC, be performed to confirm that a rebound effect has not occurred.

8.0 REFERENCES

- NYSDEC, Division of Environmental Restoration, 6 NYCRR Part 375 Subpart 6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
- NYSDEC, Division of Environmental Remediation, December 2002, DER-10, Technical Guidance for Site Investigation and Remediation, May 3, 2010.
- NYSDEC, Division of Water, June 1998, Addendum April 2000, Technical and Operational Guidance Series 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.
- NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006
 - Updates to Soil Vapor/ Indoor Air Decision Matrices, May 2017
- USEPA, Standard Operating Procedure SOP 2042, Soil Gas Sampling.
- USEPA, Low Stress (Low Flow) Purging and Sampling Procedure for The Collection of Groundwater Samples from Monitoring Wells, September 2017.
- Eastern Environmental, Riverdale Dry Cleaners Site Characterization Workplan, August 2021
- PWGC, Site Characterization Work Plan- Addendum 001, January 2022

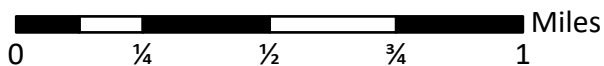


FIGURES



SITE LOCATION

434 Riverdale Ave
Yonkers, NY



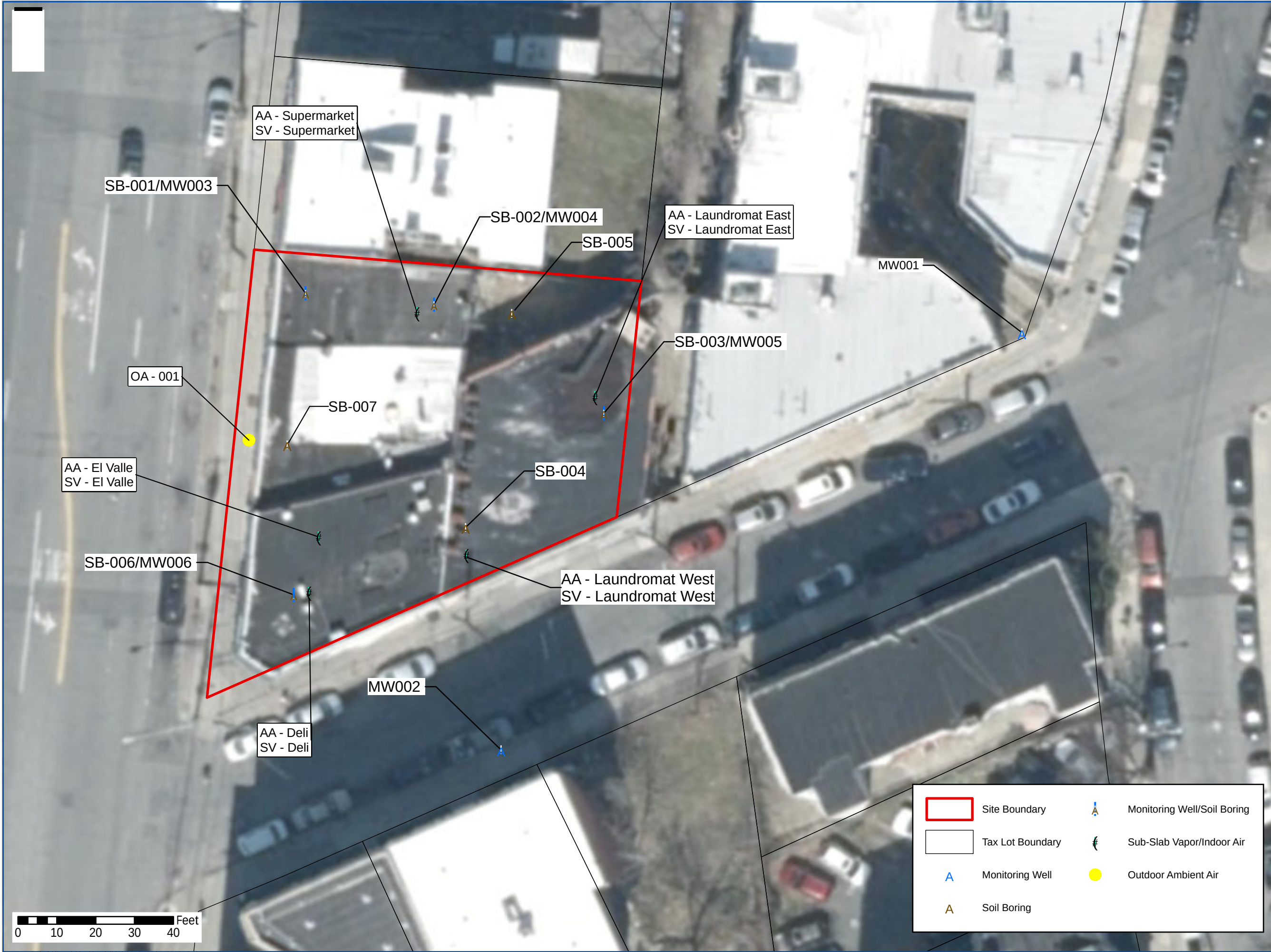
Project:	FAY2101
Date:	4/4/2022
Designed by:	MG
Drawn by:	OA
Approved by:	MG
Figure No:	1



PWGC
CLIENT DRIVEN SOLUTIONS

P.W. Grosser Consulting, Inc.

630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgros.com



P.W. Grosser Consulting, Inc.

630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwggrosser.com

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Date:	5/11/2022	Drawn by:	OA
Scale:	AS SHOWN	Approved by:	MG

Site Plan with Sampling Locations

434 Riverdale Ave
Yonkers, NY

FIGURE NO:

2

	Site Boundary		Monitoring Well/Soil Boring
	Tax Lot Boundary		Sub-Slab Vapor/Indoor Air
	Monitoring Well		Outdoor Ambient Air
	Soil Boring		



TABLES

Table 1
Soil Analytical Results - VOCs
434 Riverdale Ave, Yonkers, NY

Sample ID: Soil Depth: Sampling Date: Lab Sample ID:	CAS Number	NYSDEC Unrestricted Use SCOs ¹	NYSDEC Restricted Use SCOs- Commercial ²	SB-001 0-2' 3/9/2022 22C0596-06	SB-002 0-2' 3/9/2022 22C0596-05	SB-003 0-2' 3/9/2022 1 22C0596-03	SB-004 0-2' 3/9/2022 22C0596-02	SB-005 0-2' 3/10/2022 22C0658-01	SB-006 0-2' 3/10/2022 22C0658-02	SB-007 0-2' 3/10/2022 22C0658-03	DUP001* 0-2' 3/9/202 22C0596-04
Volatile Organic Compounds by EPA 8260 - (mg/kg)											
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,1,1-Trichloroethane	71-55-6	0.68	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,1,2-Trichloroethane	79-00-5	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,1-Dichloroethane	75-34-3	0.27	240	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,1-Dichloroethylene	75-35-4	0.33	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,1-Dichloropropylene	563-58-6	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,2,3-Trichlorobenzene	87-61-6	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,2,3-Trichloropropane	96-18-4	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,2,4-Trichlorobenzene	120-82-1	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,2,4-Trimethylbenzene	95-63-6	3.6	190	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,2-Dibromo-3-chloropropane	96-12-8	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,2-Dibromoethane	106-93-4	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,2-Dichlorobenzene	95-50-1	1.1	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,2-Dichloroethane	107-06-2	0.02	30	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,2-Dichloropropane	78-87-5	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,3,5-Trimethylbenzene	108-67-8	8.4	190	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,3-Dichlorobenzene	541-73-1	2.4	280	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,3-Dichloropropane	142-28-9	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,4-Dichlorobenzene	106-46-7	1.8	130	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
1,4-Dioxane	123-91-1	0.1	130	0.062 U	0.048 U	0.048 U	0.046 U	0.062 U	0.048 U	0.096 U	0.05 U
2,2-Dichloropropane	594-20-7	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
2-Butanone	78-93-3	0.12	500	0.0031 U	0.0048 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.017
2-Chlorotoluene	95-49-8	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
2-Hexanone	591-78-6	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
4-Chlorotoluene	106-43-4	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
4-Methyl-2-pentanone	108-10-1	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Acetone	67-64-1	0.05	500	0.0079 J	0.024 J	0.0048 U	0.0046 U	0.0062 U	0.0048 U	0.016 U	0.038
Acrolein	107-02-8	NS	NS	0.0062 U	0.0048 U	0.0048 U	0.0046 U	0.0062 U	0.0048 U	0.0096 U	0.005 U
Acrylonitrile	107-13-1	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Benzene	71-43-2	0.06	44	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Bromobenzene	108-86-1	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Bromochloromethane	74-97-5	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Bromodichloromethane	75-27-4	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Bromoform	75-25-2	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Bromomethane	74-83-9	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Carbon disulfide	75-15-0	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0031 J
Carbon tetrachloride	56-23-5	0.76	22	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Chlorobenzene	108-90-7	1.1	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Chloroethane	75-00-3	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Chloroform	67-66-3	0.37	350	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Chloromethane	74-87-3	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
cis-1,2-Dichloroethylene	156-59-2	0.25	500	0.19	0.031	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.08
cis-1,3-Dichloropropylene	10061-01-5	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Cyclohexane	110-82-7	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Dibromochloromethane	124-48-1	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Dibromomethane	74-95-3	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Dichlorodifluoromethane	75-71-8	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Ethyl Benzene	100-41-4	1	390	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Hexachlorobutadiene	87-68-3	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Isopropylbenzene	98-82-8	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Methyl acetate	79-20-9	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Methyl tert-butyl ether (MTBE)	1634-04-4	0.93	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Methylcyclohexane	108-87-2	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Methylene chloride	75-09-2	0.05	500	0.0062 U	0.0081 J	0.0053 J	0.011	0.0062 U	0.0069 J	0.0096 U	0.005 U
n-Butylbenzene	104-51-8	12	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
n-Propylbenzene	103-65-1	3.9	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
o-Xylene	95-47-6	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
p- & m- Xylenes	179601-23-1	NS	NS	0.0062 U	0.0048 U	0.0048 U	0.0046 U	0.0062 U	0.0048 U	0.0096 U	0.005 U
p-Isopropyltoluene	99-87-6	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
sec-Butylbenzene	135-98-8	11	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Styrene	100-42-5	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
tert-Butyl alcohol (TBA)	75-65-0	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
tert-Butylbenzene	98-06-6	5.9	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Tetrachloroethylene	127-18-4	1.3	150	0.096	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.014 J	0.0052
Toluene	108-88-3	0.7	500	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
trans-1,2-Dichloroethylene	156-60-5	0.19	500	0.0031 U	0.055	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.12
trans-1,3-Dichloropropylene	10061-02-6	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Trichloroethylene	79-01-6	0.47	200	0.069	0.0037 J	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0081
Trichlorofluoromethane	75-69-4	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Vinyl acetate	108-05-4	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Vinyl Chloride	75-01-4	0.02	13	0.0031 U	0.0024 U	0.0024 U	0.0023 U	0.0031 U	0.0024 U	0.0048 U	0.0025 U
Xylenes, Total	1330-20-7	0.26	500	0.0093 U	0.0072 U	0.0072 U	0.007 U	0.0094 U	0.0072 U	0.014 U	0.0075 U

Notes:

(1) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Unrestricted Use of Soil Cleanup Objective Table 375-6.8a 12/06

(2) NYSDEC 6 NYCRR Environmental Remediation Programs Part 375 Restricted Use of Soil Cleanup Objective Table 375-6.8b 12/06

Highlighted text denotes concentrations exceeding the applicable NYSDEC Unrestricted Use SCO

Highlighted text denotes concentrations exceeding the applicable NYSDEC Commercial Use SCO

DUP001* is a duplicate sample of SB-002 (0-2')

U- Analyte not detected at or above the level indicated

J- Denotes an estimated concentration

NS - No Standard

Table 2
Groundwater Analytical Results - VOCs
434 Riverdale Ave, Yonkers, NY

Sample ID: Sampling Date: Lab Sample ID:	CAS Number	NYS AWQS & GVs June 1998 ¹	MW001 3/21/2022 22C1250-03	MW002 3/21/2022 22C1250-04	MW003 3/21/2022 22C1250-05	MW004 3/21/2022 22C1250-06	MW005 3/21/2022 22C1250-07	MW006 3/21/2022 22C1250-08	DUP* 3/21/2022 22C1250-09
Volatile Organic Compounds by EPA 8260 - (mg/kg)									
1,1,1,2-Tetrachloroethane	630-20-6	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	71-55-6	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	79-00-5	1	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	75-34-3	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethylene	75-35-4	5	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene	87-61-6	5	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichloropropane	96-18-4	0.04	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	120-82-1	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trimethylbenzene	95-63-6	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromoethane	106-93-4	0.0006	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	95-50-1	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	107-06-2	0.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	78-87-5	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3,5-Trimethylbenzene	108-67-8	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	541-73-1	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichloropropane	142-28-9	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	106-46-7	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dioxane	123-91-1	NS	40 U	40 U	40 U	40 U	40 U	40 U	40 U
2-Butanone	78-93-3	50	0.3 J	0.2 U	0.2 U	0.28 J	1.38	0.2 U	1.16
2-Hexanone	591-78-6	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 J	0.2 U	0.2 U
4-Methyl-2-pentanone	108-10-1	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acetone	67-64-1	50	1 U	1 UJ	1 U	1 U	1.58 J	1.3 J	1.56 J
Acrolein	107-02-8	NS	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acrylonitrile	107-13-1	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene	71-43-2	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	74-97-5	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	75-27-4	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	75-25-2	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane	74-83-9	5	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon disulfide	75-15-0	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride	56-23-5	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	108-90-7	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	75-00-3	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	67-66-3	7	0.43 J	0.49 J	1.04	1.1	0.66	0.32 J	0.38 J
Chloromethane	74-87-3	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethylene	156-59-2	5	0.2 U	0.2 U	48.6	3.94	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropylene	10061-01-5	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cyclohexane	110-82-7	NS	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	124-48-1	50	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromomethane	74-95-3	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	75-71-8	5	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethyl Benzene	100-41-4	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	87-68-3	0.5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	98-82-8	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl acetate	79-20-9	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methyl tert-butyl ether (MTBE)	1634-04-4	10	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylcyclohexane	108-87-2	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene chloride	75-09-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	91-20-3	10	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	104-51-8	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
n-Propylbenzene	103-65-1	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
o-Xylene	95-47-6	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
p- & m- Xylenes	179601-23-1	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Diethylbenzene	105-05-5	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
p-Ethyltoluene	622-96-8	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
p-Isopropyltoluene	99-87-6	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
sec-Butylbenzene	135-98-8	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Styrene	100-42-5	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
tert-Butyl alcohol (TBA)	75-65-0	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	98-06-6	5	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethylene	127-18-4	5	0.2 U	0.26 J	32.1	0.67	0.4 J	0.51	0.2 U
Toluene	108-88-3	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethylene	156-60-5	5	0.2 U	0.2 U	0.57	3.22	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropylene	10061-02-6	0.4	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethylene	79-01-6	5	0.2 U	0.2 U	7.38	1.03	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	75-69-4	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl Chloride	75-01-4	2	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Xylenes, Total	1330-20-7	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U

Notes:

(1) NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) - Ambient Water Quality Standards and Guidance Values - GA Water Class, Type H(Ws) - Source of Drinking Water (Groundwater)

Highlighted text denotes concentrations exceeding the applicable NYSDEC Ambient Water Quality Standard

DUP* is a duplicate sample of

J- Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U- Analyte not detected at or above the level indicated

NS - No Standard

Table 3
Soil Vapor Analytical Data - VOCs
434 Riverdale Ave, Yonkers, NY

Client Sample ID:	CAS Number	SV-El Valle	AA-El Valle	SV-Deli	AA-Deli	SV-Super-market	AA-Super-market	SV-Laundromat East	AA-Laundromat East	SV-Laundromat West	AA-Laundromat West	OA-001
Sampling Date:		3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022
Lab Sample ID:		22C1239-01	22C1239-02	22C1239-03	22C1239-04	22C1239-05	22C1239-06	22C1239-07	22C1239-08	22C1239-09	22C1239-10	22C1239-11
Volatile Organic Compounds by EPA Method TO-15 - (µg/m³)												
1,1,1,2-Tetrachloroethane	630-20-6	4.89 U	0.603 U	1.1 U	0.581 U	2.59 U	0.571 U	1.3 U	0.62 U	0.963 U	0.697 U	0.607 U
1,1,1-Trichloroethane	71-55-6	3.89 U	0.48 U	0.874 U	0.462 U	2.06 U	0.454 U	1.04 U	0.493 U	0.766 U	0.554 U	0.482 U
1,1,2,2-Tetrachloroethane	79-34-5	4.89 U	0.603 U	1.1 U	0.581 U	2.59 U	0.571 U	1.3 U	0.62 U	0.963 U	0.697 U	0.607 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5.46 U	0.674 D	1.23 U	0.648 U	2.89 U	0.638 U	1.45 U	0.692 U	1.08 U	0.779 U	0.677 D
1,1,2-Trichloroethane	79-00-5	3.89 U	0.48 U	0.874 U	0.462 U	2.06 U	0.454 U	1.04 U	0.493 U	0.766 U	0.554 U	0.482 U
1,1-Dichloroethane	75-34-3	2.89 U	0.356 U	0.648 U	0.342 U	1.53 U	0.337 U	0.768 U	0.365 U	0.568 U	0.411 U	0.358 U
1,1-Dichloroethylene	75-35-4	1.41 U	0.174 U	0.318 U	0.168 U	0.748 U	0.165 U	0.376 U	0.179 U	0.278 U	0.201 U	0.175 U
1,2,4-Trichlorobenzene	120-82-1	5.29 U	0.652 U	1.19 U	0.628 U	2.8 U	0.617 U	1.41 U	0.67 U	1.04 U	0.754 U	0.656 U
1,2,4-Trimethylbenzene	95-63-6	3.5 U	1.08 D	8.35 D	0.416 U	1.85 U	0.532 D	9.33 D	0.932 D	12 D	0.649 D	0.435 U
1,2-Dibromoethane	106-93-4	5.48 U	0.675 U	1.23 U	0.65 U	2.9 U	0.639 U	1.46 U	0.694 U	1.08 U	0.781 U	0.679 U
1,2-Dichlorobenzene	95-50-1	4.29 U	0.528 U	0.963 U	0.509 U	2.27 U	0.5 U	1.14 U	0.543 U	0.844 U	0.611 U	0.531 U
1,2-Dichloroethane	107-06-2	2.88 U	0.356 U	0.648 U	0.342 U	1.53 U	0.337 U	0.768 U	0.365 U	0.568 U	0.411 U	0.358 U
1,2-Dichloropropane	78-87-5	3.29 U	0.406 U	0.74 U	0.391 U	1.74 U	0.384 U	0.877 U	0.417 U	0.648 U	0.469 U	0.408 U
1,2-Dichlorotetrafluoroethane	76-14-2	4.98 U	0.614 U	1.12 U	0.591 U	2.64 U	0.582 U	1.33 U	0.631 U	0.981 U	0.71 U	0.618 U
1,3,5-Trimethylbenzene	108-67-8	3.5 U	0.432 U	2.21 D	0.416 U	1.85 U	0.409 U	2.33 D	0.444 U	3.24 D	0.499 U	0.435 U
1,3-Butadiene	106-99-0	4.73 U	0.583 U	1.06 U	0.561 U	2.5 U	0.552 U	1.26 U	0.599 U	0.931 U	0.674 U	0.587 U
1,3-Dichlorobenzene	541-73-1	4.29 U	0.528 U	0.963 U	0.509 U	2.27 U	0.5 U	1.14 U	0.543 U	0.844 U	0.611 U	0.531 U
1,3-Dichloropropane	142-28-9	3.29 U	0.406 U	0.74 U	0.391 U	1.74 U	0.384 U	0.877 U	0.417 U	0.648 U	0.47 U	0.409 U
1,4-Dichlorobenzene	106-46-7	4.29 U	4.6 D	0.963 U	0.509 U	2.27 U	0.5 U	1.14 U	4.29 D	0.844 U	9.83 D	0.531 U
1,4-Dioxane	123-91-1	5.14 U	0.633 U	1.15 U	0.61 U	2.72 U	0.6 U	1.37 U	0.651 U	1.01 U	0.732 U	0.637 U
2-Butanone	78-93-3	7.36 D	3.11 D	9.17 D	0.923 D	12.1 D	4.76 D	10.8 D	0.639 D	15 D	0.869 D	1.15 D
2-Hexanone	591-78-6	5.84 U	0.72 U	9.25 JD	0.693 U	3.09 U	0.682 U	6.29 D	0.74 U	7.93 D	0.832 U	0.724 U
3-Chloropropene	107-05-1	11.2 U	1.38 U	2.51 U	1.32 U	5.9 U	1.3 U	2.97 U	1.41 U	2.2 U	1.59 U	1.38 U
4-Methyl-2-pentanone	108-10-1	2.92 U	0.36 U	0.656 U	0.347 U	1.54 U	0.341 U	0.777 U	0.37 U	0.575 U	0.416 U	0.362 U
Acetone	67-64-1	1100 D	712 D	5.63 JD	39.7 D	18.5 D	6.11 D	5.27 D	19.9 D	11.7 D	74.4 D	14.8 D
Acrylonitrile	107-13-1	5.72 D	0.191 U	0.348 U	0.184 U	0.818 U	0.181 U	0.412 U	0.196 U	0.304 U	0.22 U	0.192 U
Benzene	71-43-2	2.28 U	0.702 D	0.512 D	0.514 D	1.2 U	0.319 D	0.606 U	0.462 D	0.807 D	0.519 D	0.593 D
Benzyl chloride	100-44-7	3.69 U	0.455 U	0.829 U	0.438 U	1.95 U	0.431 U	0.982 U	0.467 U	0.726 U	0.526 U	0.458 U
Bromodichloromethane	75-27-4	14.8 D	0.589 U	1.07 U	0.567 U	2.53 U	0.557 U	1.27 U	0.605 U	0.94 U	0.681 U	0.592 U
Bromoform	75-25-2	7.37 U	0.909 U	1.66 U	0.874 U	3.9 U	0.86 U	1.96 U	0.933 U	1.45 U	1.05 U	0.914 U
Bromomethane	74-83-9	2.77 U	0.341 U	0.622 U	0.329 U	1.46 U	0.323 U	0.737 U	0.351 U	0.545 U	0.395 U	0.343 U
Carbon disulfide	75-15-0	2.22 U	0.274 U	0.748 D	0.263 U	1.29 D	0.492 D	2.6 D	0.281 U	1.66 D	0.316 U	0.275 U
Carbon tetrachloride	56-23-5	1.12 U	0.387 D	0.403 D	0.426 D	0.593 U	0.209 D	0.298 U	0.454 D	0.353 D	0.447 D	0.445 D
Chlorobenzene	108-90-7	3.28 U	0.405 U	0.738 U	0.389 U	1.74 U	0.383 U	0.873 U	0.416 U	0.646 U	0.468 U	0.407 U
Chloroethane	75-00-3	1.88 U	0.232 U	0.423 U	0.223 U	0.995 U	0.22 U	0.501 U	0.238 U	0.37 U	0.268 U	0.233 U
Chloroform	67-66-3	467 D	5.92 D	0.782 U	0.537 D	1.84 U	0.406 U	4.91 D	5.56 D	5.62 D	6.99 D	0.432 U
Chloromethane	74-87-3	1.47 U	1.47 D	0.331 UJ	1.36 D	1.56 D	0.172 U	0.392 U	1.68 D	0.29 U	1.68 D	2.03 D
cis-1,2-Dichloroethylene	156-59-2	1.41 U	0.418 D	0.318 U	0.168 U	2.09 D	0.693 D	0.376 U	0.179 U	0.278 U	0.201 U	0.175 U
cis-1,3-Dichloropropylene	10061-01-5	3.24 U	0.399 U	0.727 U	0.384 U	1.71 U	0.378 U	0.861 U	0.41 U	0.637 U	0.461 U	0.401 U
Cyclohexane	110-82-7	2.45 U	0.303 U	0.551 U	0.291 U	1.3 U	0.286 U	0.653 U	0.311 U	0.58 D	0.35 U	0.304 U
Dibromochloromethane	124-48-1	6.07 U	0.749 U	1.36 U	0.721 U	3.21 U	0.709 U	1.62 U	0.769 U	1.2 U	0.865 U	0.753 U
Dichlorodifluoromethane	75-71-8	3.52 U	2.48 D	2.77 D	2.76 D	2.98 D	1.32 D	2.91 D	2.55 D	3.47 D	2.61 D	3.63 D
Ethyl acetate	141-78-6	5.14 U	10.2 D	1.15 U	1.43 D	2.72 U	0.6 U	1.37 U	0.651 U	1.01 U	0.952 D	0.637 U
Ethyl Benzene	100-41-4	3.1 U	0.496 D	2.43 D	0.367 U	1.64 U	0.361 U	1.98 D	0.392 U	3.05 D	0.441 U	0.384 U
Hexachlorobutadiene	87-68-3	7.6 U	0.937 U	1.71 U	0.902 U	4.02 U	0.887 U	2.02 U	0.963 U	1.5 U	1.08 U	0.943 U
Isopropanol	67-63-0	2120 D	32 D	4.84 JD	2.37 D	3.24 D	0.675 D	12.8 D	53.6 D	6.1 D	41.8 D	0.739 D
Methyl Methacrylate	80-62-6	2.92 U	5.11 D	0.656 U	0.346 U	1.54 U	0.341 U	0.777 U	0.37 U	0.574 U	1.08 D	0.362 U
Methyl tert-butyl ether (MTBE)	1634-04-4	2.57 U	0.317 U	0.578 U	0.305 U	1.36 U	0.3 U	0.684 U	0.326 U	0.506 U	0.366 U	0.319 U
Methylene chloride	75-09-2	4.95 U	2.29 D	3.17 D	0.852 D	2.62 U	0.751 D	1.52 D	2.29 D	0.975 U	4.69 D	2.09 D
n-Heptane	142-82-5	2.92 U	0.396 D	2.36 D	0.347 U	1.55 U	0.341 U	1.4 D	0.37 U	3.05 D	0.416 U	0.362 U
n-Hexane	110-54-3	2.51 U	0.341 D	0.734 D	0.298 U	1.33 U	0.293 U	0.669 U	0.318 U	1.09 D	0.358 U	0.312 U
o-Xylene	95-47-6	3.09 U	0.649 D	4.87 D	0.367 U	1.64 U	0.361 U	4.37 D	0.392 U	6.03 D	0.441 U	0.384 U
p- & m- Xylenes	179601-23-1	6.19 U	2.25 D	10.7 D	0.735 U	3.27 U	0.722 U	9.39 D	0.784 U	13.3 D	0.882 U	0.768 U
p-Ethyltoluene	622-96-8	3.5 U	0.907 D	7.56 D	0.416 U	1.85 U	0.491 D	7.83 D	0.577 D	10.4 D	0.499 D	0.435 U
Propylene	115-07-1	1.23 U	0.151 U	0.276 U	0.146 U	0.649 U	0.143 U	0.326 U	0.155 U	0.241 U	0.175 U	0.715 D
Styrene	100-42-5	3.04 U	0.374 U	0.682 U	0.36 U	1.61 U	0.354 U	0.808 U	0.385 U	0.598 U	0.433 U	0.377 U
Tetrachloroethylene	127-18-4	27.6 D	1.37 D	9.45 D	0.574 U	3.58 D	1.35 D	6.18 D	0.612 D	58.8 D	5.93 D	0.6 U
Tetrahydrofuran	109-99-9	4.2 U	1.19 D	0.945 U	0.499 U	3.34 D	1.37 D	1.12 U	0.533 U	0.828 U	0.599 U	0.521 U
Toluene	108-88-3	2.69 U	1.09 D	6.7 D	0.446 D	1.42 U	0.408 D	4.86 D	1.16 D	7.19 D	1.34 D	0.466 D
trans-1,2-Dichloroethylene	156-60-5	2.83 U	0.349 U	0.635 U	0.335 U	1.5 U	0.33 U	0.752 U	0.358 U	0.556 U	0.403 U	0.35 U
trans-1,3-Dichloropropylene	10061-02-6	3.24 U	0.399 U	0.727 U	0.384 U	1.71 U	0.378 U	0.861 U	0.41 U	0.637 U	0.461 U	0.401 U
Trichloroethylene	79-01-6	0.958 U	0.142 D	0.215 U	0.114 U	0.507 U	0.134 D	0.255 U	0.121 U	0.188 U	0.136 U	0.119 U
Trichlorofluoromethane (Freon 11)	75-69-4	4.01 U	1.48 D	1.62 D	2.76 D	2.12 U	0.608 D	1.6 D	1.42 D	1.66 D	1.54 D	1.59 D
Vinyl acetate	108-05-4	2.51 U	0.31 U	0.564 U	0.298 U	1.33 U	0.293 U	0.668 U	0.318 U	0.494 U	0.358 U	0.311 U
Vinyl bromide	593-60-2	3.12 U	0.384 U	0.701 U	0.37 U	1.65 U	0.364 U	0.83 U	0.395 U	0.614 U	0.444 U	0.387 U
Vinyl Chloride	75-01-4	0.911 U	0.112 U	0.205 U	0.108 U	0.482 U	0.106 U	0.242 U	0.115 U	0.179 U	0.13 U	0.113 U
Total CVOC		27.6	4.607	13.023	1.278	5.67	2.235	7.7	3.356	59.153	11.067	2.535

Notes:

D- Result is from an analysis that required a dilution

U- Analyte not detected at or above the level indicated

Highlighted text denotes results identified at a detectable concentration.

Highlighted text denotes analytes that represent NYSDOH matrix compounds.



APPENDIX A

SITE CHARACTERIZATION WORK PLAN AND ADDENDUM



January 20, 2021

Mr. R. Scott Deyette
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7014

**RE: Site Characterization Work Plan – Revised Addendum 001
436-440 Riverdale Avenue (Tax Map/Parcel No.: 1.-132-12.16), Yonkers, New York
NYSDEC Site #360197**

Dear Mr. Deyette,

P.W. Grosser Consulting, Inc. (PWGC) has prepared this letter, on behalf of Fay Realty Inc., to detail proposed changes to the scope of work presented in the previously approved August 2021 Site Characterization Work Plan (SCWP) prepared by Eastern Environmental.

Based upon the primary contaminants of concern affiliated with the site (chlorinated solvents) and previous discussions with the New York State Department of Environmental Conservation (NYSDEC), PWGC is proposing to reduce the analytical methods for all media to be sampled to volatile organic compounds (VOCs) only. This entails reducing soil sample analysis from Target Compound List (TCL) VOCs, TCL semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals and emerging contaminants including 1,4-dioxane and per-polyfluoroalkyl substances (PFAS) to TCL VOCs only, reducing groundwater sample analysis from TCL VOCs, TCL SVOCs, Pesticides, PCBs, total and dissolved metals, 1,4-dioxane, and PFAS to TCL VOCs only and keeping soil vapor / ambient air analysis as TO-15 VOCs only. QA/QC samples will be collected at a frequency in accordance with the Quality Assurance Project Plan (QAPP) in the NYSDEC-approved SCWP. However, the QA/QC samples will be analyzed for VOCs only.

Second, based upon PWGC's review of the SCWP, PWGC's research regarding other sites of concern in the surrounding area, a site visit by PWGC, and previous discussions with the NYSDEC, PWGC is proposing change the frequency and locations of the soil borings, groundwater monitoring wells, and sub-slab soil vapor / indoor air sampling points at the site. PWGC's proposed changes are to allow for more widespread soil and groundwater sampling coverage at the site and to allow for the assessment of potential offsite, up gradient sources of VOC contamination in groundwater. A new proposed sampling figure has been included as **Attachment 1**.

Third, PWGC is proposing the collection of 24-hour samples for the proposed sub-slab soil vapor, indoor air and outdoor air samples based upon the current usages and exposure scenarios present at the site.

Fourth, PWGC is proposing to change the soil boring sampling intervals. If contamination is observed, PWGC is proposing to collect one sample from the two-foot interval with the most significant evidence of contamination and one sample from the two-foot interval from grade to two feet below grade. If this



two-foot interval is the same, only one sample will be collected. If no contamination is detected, one sample will be collected from the two-foot interval from grade to two feet below grade.

Finally, it should be noted that the original Health and Safety Plan (HASP) that was previously submitted with the August 2021 SCWP will be followed, including the Special Requirements for CAMP monitoring.

Please call if you have any questions or would like to discuss the project further. I look forward to hearing from you.

Very truly yours,
P.W. Grosser Consulting

Michael Gaul
Project Manager

Jennifer Lewis, P.G.
Vice President



ATTACHMENT 1



P.W. Grosser Consulting, Inc.
630 Johnson Ave., Suite 7
Bohemia, NY 11716
Ph: 631-589-6353 • Fax: 631-589-8705
pwgc.info@pwgrosser.com

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DRAWING AND RELATED DOCUMENTS IS A VIOLATION
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DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	FAY2101	Designed by:	MG
Date:	12/9/2021	Drawn by:	OA
Scale:	AS SHOWN	Approved by:	MG

Proposed Site
Characterization
Sampling Plan

434 Riverdale Ave
Yonkers, NY

FIGURE NO:

1

	Site Boundary		Soil Boring
	Tax Lot Boundary		Sub-Slab Vapor/Indoor Air
	Monitoring Wells/Soil Borings		Outdoor Ambient Air
	Monitoring Well		

Riverdale Dry Cleaners Site Characterization Work Plan

436-440 Riverdale Avenue
Yonkers, New York
Tax Map/Parcel No.: 1.-132-12.16
NYSDEC Site #360197

Submitted to:
New York State Department of Environmental Conservation
21 S Putt Corners Road
New Paltz, NY 12561

Prepared for:
Fay Realty Inc.
85 Nassau Drive
Great Neck, NY 11021

Prepared by:
Eastern Environmental
258 Line Road
Manorville, NY 11949

August 2021

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Figure 5 – Proposed Soil Vapor and Co-located Indoor Air Sample Locations

Appendix A – Records Search Documents

Limited Phase II Environmental Site Assessment

CBRE, Inc., dated May 4, 2018

Summary of Environmental Review

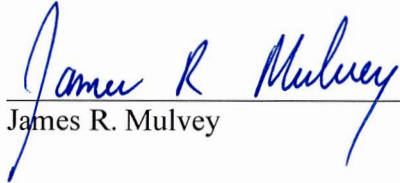
Tenen Environmental, dated February 25, 2019

Appendix B – Health and Safety Plan

Appendix C – Quality Assurance Project Plan

CERTIFICATION

I, James R. Mulvey, certify that I am currently a Qualified Environmental Professional as defined in 6NYCRR Part 375 and that this Site Characterization Work Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).


James R. Mulvey


Date

1.0 INTRODUCTION

On behalf of Fay Realty Inc. (the Respondent), Eastern Environmental Solutions (Eastern) has prepared this Site Characterization Work Plan (Work Plan) for the property located at 434-440 Riverdale Avenue (identified as Tax Map/Parcel No.: 1.-132-14.16) in Yonkers, Westchester County, New York (Site). The Site location and layout are shown in Figures 1 and 2.

The Work Plan has been developed to address the requirements of an Administrative Consent Order and Administrative Settlement (ACO) between the Respondent and the New York State Department of Environmental Conservation (NYSDEC) executed on July 29, 2020 and filed as Index #CO3-20191223-299. The Work Plan scope of work was prepared to assess whether historic operations at the Site have created a condition that threatens public health or the environment. This Work Plan has been prepared in accordance with the NYSDEC Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10, May 3, 2010).

1.1 Work Plan Organization

This Work Plan includes an introduction (Section 1), background information (Section 2), scope of work (Section 3) and project schedule (Section 4). In addition, quality assurance/quality control, health and safety (including community air monitoring) and project team information are addressed in separate appendices. Supporting figures referenced throughout are included at the end of this report.

1.2 Work Plan Objective

A previous limited environmental investigation at the north adjacent property, detailed in Section 2.5, indicated the presence of chlorinated solvents in the soil vapor. The objective of this Work Plan is to determine whether the chlorinated solvents are related to historic Site operations and, if so, whether the concentrations related to Site operations threaten public health or the environment. Based on the prior environmental investigation at the north adjacent property, an investigation of soil vapor, soil and possible the groundwater (or perched/runoff water, field borings will determine) will be conducted at the Site to determine if chlorinated solvent impacts related to historic Site operations and potential impacts to public health and the environment are present at the Site.

2.0 BACKGROUND

This section includes a description of the Site and surrounding uses; summaries of Site characteristics, historic operations and regulatory interactions.

2.1 Site Description and Surrounding Uses

The Site is located at 434-440 Riverdale Avenue in the City of Yonkers in Westchester County, New York. The Site is an irregularly shaped parcel located on the northeast corner of the intersection of Riverdale Avenue and St. Andrew's Place. The Site is identified as Westchester County Tax Map/Parcel No.: 1.-132-14.16. The Site location and layout are shown on Figure 1. The Site is located in a mixed-use commercial and residential area.

The Site is currently occupied by a commercial building housing several businesses. The northernmost commercial space, 434 Riverdale Avenue, was occupied by a dry cleaner from approximately 2000 through 2014. The space has remained vacant since that time. The former dry-cleaning equipment was historically located toward the front of the space, nearest to Riverdale Avenue. There is no records or accounts of where the former dry-cleaner waste was disposed of.

Other addresses associated with the Site and the current occupants are listed below and shown on Figure 1.

434 Riverdale Avenue – Formerly a Dry Cleaner, but currently vacant
436 Riverdale Avenue – Formerly a 99-cent store, but currently vacant
438 Riverdale Avenue – Salon Fancy Spa, a nail salon
440 Riverdale Avenue – El Valle Restaurant
442 Riverdale Avenue – Food Center Deli
97-99 St. Andrew's Place – D&K Laundry (a laundromat)

The basement spaces beneath 434 through 438 Riverdale Avenue are connected by doors. The basements in the remaining spaces are accessible only from the ground floor and are not connected.

The Site is bounded by a commercial and residential building to the north, St. Andrew's Place to the south, Riverdale Avenue to the west and commercial and residential buildings to the east. The majority of the surrounding properties are zoned as mixed residential and commercial use.

2.2 Site Characteristics

The Site is mapped on the Yonkers Quadrangle New York-New Jersey 7.5 Minute Topographic Map, published by the United States Geological Survey (USGS) (Figure 1). Review of the topographic map reveals that the Site is located at approximately 75 feet above mean sea level (ft-msl).

The local topography slopes toward the west. Groundwater flow in the surrounding area is anticipated to flow west, toward the Hudson River. Based on the regional bedrock well information available through the USGS, the groundwater is presumed to be approximately ten feet below grade (ft-bg), and is likely perched water.

2.3 Historic Operations

Prior to 1942, the Site was developed with the existing one-story building. Historic uses of the Site include the following: dry cleaning operations, a laundromat, pharmacies, a 99-cent store, grocery stores, restaurants, offices, nail salons, a stationary store, a housewares shop, a peddler and a cleaning service. The northern portion of the Site (434 Riverdale Avenue) operated as a dry cleaner for approximately 14 years, from 2000 to 2014. The Site is currently occupied by a nail salon, a restaurant, a grocery store, a delicatessen, and a laundromat (see figure 2).

2.4 Regulatory Interaction

NYSDEC has designated the Site as a potential site (p-site), indicating that the available information suggests the presence of hazardous waste at the Site and that a site characterization is needed. An Administrative Consent Order and Administrative Settlement (ACO) between Fay Realty and NYSDEC was executed on July 29, 2020 and filed as Index #CO3-20191223-299. Requirements contained in the ACO include the preparation of a SCWP and payment of past and future costs incurred by NYSDEC in connection with the Site.

2.5 Previous Investigations

No previous environmental studies have been conducted at the Site. A Limited Phase II Environmental Site Investigation (ESI) was performed by CBRE, Inc. (CBRE) at the north adjoining property (432 Riverdale Avenue) in May 2018. Subsequently, an environmental review memorandum of the 434 Riverdale Avenue portion of the Site was prepared by Tenen Environmental in March 2019. The Limited Phase II ESI and environmental review memorandum are included in Appendix A.

2.5.1 May 2018, CBRE

In May 2018, CBRE conducted a Limited Phase II ESI on the north adjoining property (432 Riverdale Avenue). An initial Transaction Screen Analysis (TSA) identified historical dry cleaning operations at the Site as a Recognized Environmental Condition (REC). A subsequent limited Phase II ESI was conducted at 432 Riverdale Avenue to assess the presence of chlorinated solvents in soil vapor, indoor air, and ambient air. One sub-slab soil vapor sample, two indoor air samples, and one ambient air sample (from the rear yard of the building) were collected and analyzed for volatile organic compounds (VOCs).

The results of the sample analysis showed tetrachloroethene (PCE), a common dry cleaning solvent, and cis-1,2-dichloroethene (cis-1,2-DCE), a breakdown product of PCE, were detected in the sub-slab soil vapor sample collected directly north of the Site at elevated concentrations. Based on the New York State Department of Health (NYSDOH) soil vapor decision matrices contained in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, October 2006, updated May 2017), the concentrations of PCE and cis-1,2-DCE detected in sub-slab soil vapor and indoor air are within the range where mitigation is recommended. Concentrations of PCE and trichloroethene (TCE), a breakdown product of PCE, were detected in the indoor air sample co-located with the soil vapor sample directly north of the Site at concentrations exceeding their respective NYSDOH Air Guidance Values. The limited Phase II ESI identified Site operations as the potential source of chlorinated solvents in soil vapor and indoor air at 432 Riverdale Avenue.

Based upon the findings of the CBRE investigation, an active sub-slab depressurization system (SSDS) was installed at 432 Riverdale Avenue to address the potential for vapor intrusion of chlorinated volatile organic contaminants (cVOCs) into indoor air. Pre-installation work, performed in November 2018, included installation of extraction wells, vapor monitoring points, a sump pump to address perched groundwater and a blower test. The system was installed in February-March 2019. System effluent testing conducted in March 2019 indicated 99.7-100 percent reduction in concentrations of PCE, TCE and cis,1-2 DCE from those measured in the influent.

2.5.2 March 2019, Tenen

An environmental review memorandum was prepared by Tenen in March 2019 for 434 Riverdale Avenue which summarizes the historical information pertaining to the Site and discusses other potential sources of the environmental impacts at 432 Riverdale Avenue.

Based on the available information, Eastern recommends a limited Phase II investigation be performed at the Site to ascertain the distribution of chlorinated solvent impacts on the Site.

2.5.3 Summary

The following conclusions are based on the results of the investigations conducted to date:

1. A Phase II Investigation is recommended at the Site to assess the extent chlorinated solvents impacts at the Site.

As indicated in Section 1.2, additional characterization is required in order to determine if the presence of chlorinated solvents in environmental media is related to historic Site operations and, if so, whether these concentrations threaten public health or the environment.

3.0 SCOPE OF WORK

A phased Site characterization investigation will be implemented, consisting of the scope of work described below. A summary table of all proposed sampling locations and quality assurance / quality control (QA/QC) samples is included in Section 3.4. Access to all commercial spaces will be arranged by Fay Realty, Inc., the owner of the Site.

3.1 Soil Sampling

In order to characterize the soil at the Site, the following scope of work will be implemented:

- advance four soil borings on the Site and one boring in the adjacent sidewalk to investigate the potential presence of a soil source;
- collect soil samples from newly installed soil borings;
- analyze soil samples for Target Compound List (TCL) VOCs, TCL semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals and emerging contaminants including 1,4-dioxane and per-polyfluoroalkyl substances (PFAS) as per NYSDEC requirements for State Remedial programs.

A total of five soil borings are proposed in the following locations to investigate the presence of a potential on-Site soil source. All locations are shown on Figure 3.

Proposed Boring Locations and Rationale for Placement

- SB-1/MW-1 and SB-2 – located in the basement, below the area formerly occupied by the dry cleaning machinery.
- SB-3/MW-2 – located in the southern portion of the former dry cleaner basement,
- SB-4/MW-3 – located in the back courtyard of the former dry cleaner.
- SB-5/MW-4 – located off-site in the sidewalk, downgradient of the former dry cleaner.

Based on field measurements and observations, boring locations may be moved or added in coordination with NYSDEC.

Soil samples will be screened with a photoionization device (PID) and any visual signs of contamination or odors will be recorded. If contamination is encountered, additional soil cores may be collected.

A maximum of two samples will be collected for lab analysis from each boring. If contamination is observed, one sample will be collected from the zone with the highest suspected contamination and one sample will be collected from the first apparent non-impacted zone. If no contamination is detected, one sample will be collected at the bedrock interface.

Samples will be collected in laboratory-supplied containers and will be sealed, labeled, and placed in a cooler containing ice (to maintain a temperature of approximately 4 degrees Celsius) for delivery to a NYSDOH Environmental Laboratory Accreditation Program (ELAP)-certified analytical laboratory. Soil samples will be analyzed for volatile organic compounds (VOCs), semi

volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals and emerging contaminants including 1,4-dioxan and PFAS. Product samples, if encountered, will be submitted for gas chromatography-mass spectrometer fingerprint analysis. QA/QC procedures to be followed are described in the Quality Assurance Project Plan (QAPP).

A record of each sample, including notation of any odors, color, or sample matrix, will be kept in the sampler's field logbook. A chain of custody will be maintained throughout the field sampling, transport of samples to the laboratory, and during lab analysis.

3.2 Groundwater Sampling

The following scope of work is proposed to further characterize the groundwater at the Site ***and is contingent on the presence of perched groundwater***:

- install four groundwater monitoring wells screened across the groundwater interface;
- Soil borings SB-1, SB-3, SB-4 and SB-5 will be converted to monitoring wells MW-1, MW-2, MW-3 and MW-4, respectively;
- survey the newly-installed wells;
- collect one round of depth-to-groundwater measurements from the newly-installed wells;
- collect groundwater samples from four wells and analyze for TCL VOCs, TCL SVOCs, Pesticides, PCBs, total and dissolved metals, 1,4-dioxane, and per-fluoroalkyl substances (PFAS).

The locations of the proposed wells and rationale for placement are listed below. All locations are shown on Figure 4.

Proposed Monitoring Well Locations and Rationale for Placement

- SB-1/MW-1 – located within the vicinity of the former dry cleaner space in the presumed source area.
- SB-3/MW-2 – located in the former dry cleaner space in the presumed cross gradient border.
- SB-4/MW-3- located in the former dry cleaner space on the presumed upgradient border.
- SB-5/MW-4 – located in the sidewalk along Riverdale Avenue, in the presumed downgradient direction from the Site.

Monitoring well installation will be completed using a Geoprobe®. Monitoring well construction will consist of a five-foot one-inch slotted PVC (0.02-inch) screen with riser to grade. A sand filter pack (US Std. sieve sizes 30 to 8) will be placed in the annular space around the screens and will be extended two feet above the screen.

The annular area around the well casing will be sealed with bentonite pellets for an interval of two feet above the filter pack. The annular space above the bentonite pellets to one foot below grade will be backfilled with drilling cuttings. The remaining one foot will be sealed with a concrete cap and well apron (expanding cement). A locking well cap will be installed upon completion of each well.

Following installation, at least three well volumes will be removed using a submersible pump. All permanent wells will be surveyed to a common site datum.

Samples will be collected using low-flow techniques in accordance with EPA Region 1 Low-Stress (Low-Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells. (EQASOP-GW 001 Revision 3 dated July 30, 1996 Revised: January 19, 2010). All groundwater samples will be analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, total and dissolved metals, 1,4-dioxane, and per-fluoroalkyl substances (PFAS).

3.3 Soil Vapor, Sub-Slab Soil Vapor, Indoor Air and Ambient Air Sampling

The following scope of work is proposed to further characterize the soil vapor at the Site and the potential distribution of VOCs in off-Site locations:

- install three soil vapor points;
- install five sub-slab soil vapor points;
- collect one co-located indoor air sample at each sub-slab soil vapor location;
- purge and collect soil vapor samples from all nine points;
- collect one ambient air sample; and;
- analyze soil vapor, sub-slab soil vapor, co-located indoor air and ambient air samples for TO-15 VOCs.

All sample locations are shown on Figure 5.

3.3.1 Soil Vapor and Ambient Air Sampling

The following soil vapor locations are proposed to further investigate the potential distribution of VOCs in soil vapor at off-Site locations. All locations are shown on Figure 5.

Proposed Soil Vapor Locations and Rationale for Placement

- SV-1– placed in the sidewalk in front of the former dry cleaning space
- SV-2 – placed in the rear yard of the former dry cleaning space.
- SV-3 – placed in the alleyway of a beer distributor, located north of the Site.

At each proposed sampling location, a disposable soil vapor point will be driven to approximately three feet below grade (ft-bg). The sampling probe consists of a 1.5-inch long hardened point and a 6-inch long perforated vapor intake. A vacuum pump will remove one to three volumes of air (volume of the sample probe and tube) prior to sample collection. The flow rate for both purging and collecting samples will not exceed 0.2 liter per minute.

The soil vapor samples will first be screened for organic vapors using a PID. Soil gas and co-located indoor air samples will be collected in 6-liter Summa canisters using eight-hour regulators and analyzed for VOCs using EPA Method TO-15. A tracer gas will be used in accordance with NYSDOH QA/QC protocols to verify the integrity of the soil vapor probe seal.

The ambient air sample will be collected from breathing height (three to five feet above the floor) at a nearby location downwind from the Site building. The sampling flow rate will not exceed 0.2 liters per minute (L/min). The ambient air sample will be collected in laboratory-supplied 6-liter canisters using an 8-hour regulator. The ambient air sample will be collected during soil vapor sample collection and will be analyzed for VOCs using EPA Method TO-15.

All samples will be collected in accordance with the NYSDOH Soil Vapor Guidance. Some sample locations may be adjusted based on field observations or conditions.

3.3.2 Sub-Slab Soil Vapor, Indoor Air and Ambient Air Sampling

The following soil vapor locations are proposed to further investigate the distribution of VOCs in soil vapor at the Site. All locations are shown on Figure 5.

Proposed Sub-Slab Soil Vapor Locations and Rationale for Placement

- SV-4 and SV-5 – placed in the vicinity of the former dry cleaner machinery to characterize the sub-slab soil vapor in the presumed source area. The results will aid in determining if an on-Site source is present and/or assessing potential impacts to the existing building.
- SV-6 through SV-10 – located within the other (non-historic dry cleaning) commercial spaces of the building to assess if any potential impacts from the former dry cleaning operations exist.

Sub-slab soil vapor points will be installed using a handheld rotary hammer. Access to the sub-slab will be gained by drilling through the top surface material.

Upon penetration through the surface material, a disposable sampling probe consisting of a Vapor Pin® or similar will be installed. The vapor intake will be installed so that the intake is not deeper than two inches below the slab. A vacuum pump will remove one to three volumes of air (volume of the sample probe and tube) prior to sample collection. The flow rate for both purging and collecting samples will not exceed 0.2 liter per minute.

The sub-slab soil vapor sample will be first screened for organic vapors using a PID. Soil gas and co-located indoor air samples will be collected in 6-liter Summa canisters using eight-hour regulators and analyzed for VOCs using EPA Method TO-15. A tracer gas will be used in accordance with NYSDOH QA/QC protocols to verify the integrity of the soil vapor probe seal.

The indoor air samples will be collected from breathing height (three to five feet above the floor) co-located with sub-slab soil vapor points, from within the Site building. The sampling flow rate will not exceed 0.2 liters per minute (L/min). Indoor air samples will be collected in laboratory-supplied six-liter canisters using 8-hour regulators. Indoor air samples will be collected during soil vapor sample collection and will be analyzed for VOCs using EPA Method TO-15.

All samples will be collected in accordance with the NYSDOH Soil Vapor Guidance. Some sample locations may be adjusted based on field observations or conditions.

3.4 Quality Assurance / Quality Control (QA/QC)

Samples will be collected in accordance with the Quality Assurance Project Plan (QAPP) included as Appendix C.

Sample analysis will be performed by a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. The laboratory will report sample results on a 10-day turnaround time. An independent subconsultant will validate sample results and a Data Usability Summary Report (DUSR) will be prepared.

3.5 Summary Table of Proposed Sampling Locations

As required by Section 3.3(b)3 of DER-10, below is a table with all proposed sampling locations and QA/QC samples.

Proposed Sampling Locations and Analysis

Sample Location	Matrix	Sampling Interval (ft-bg)	Analytical Parameters	Sampling Method / Minimum Reporting Levels	Rationale
SB-1	Soil	Within each boring from the zone of highest suspected contamination (if encountered) and the next apparent non-impacted zone (as appropriate). If no contamination is observed, a sample will be collected from the bedrock interface.	TCL VOCs, TCL SVOCs, Pesticides, PCBs, total metals, 1,4-dioxane, and per-fluoroalkyl substances (PFAS)	MDL less than Unrestricted Use Soil Cleanup Objectives (SCOs) and NYSDEC PFOA and PFOS Guidance Values for Anticipated Site Use	Characterize the area of the former dry cleaner machinery
SB-2					
SB-3					Characterize the soil beneath the basement
SB-4					Assess the soil in the rear yard
SB-5					Assess the soil off-site, in the sidewalk downgradient of the former dry cleaner
MW-1	Ground-water – If Encountered	Screened above the bedrock interface		MDL less than the NYSDEC TOGS 1.1.1 Class GA Ambient Water Quality Standards (Class GA Standards); MDL less than 2 nanograms per liter (ng/L) for PFOA and PFAAs	Assess the area of the former dry cleaner machinery
MW-2					Access the former dry cleaner space on the presumed cross gradient border
MW-3					Access the former dry cleaner space on the presumed upgradient border
MW-4					Downgradient, in the sidewalk to allow for triangulation of groundwater flow

Sample Location	Matrix	Sampling Interval (ft-bg)	Analytical Parameters	Sampling Method / Minimum Reporting Levels	Rationale
SV-1	Soil Vapor	Soil Vapor	TO-15 VOCs	EPA TO-15 / MDL less than 1.00 micrograms per cubic meter (ug/m3) except TCE/PCE less than 0.25 ug/m3	Assess the potential for off-site distribution of VOCs
SV-2					
SV-3					
SV-4		Sub-slab			Assess the area of the former dry cleaner machinery
SV-5					
SV-6					
SV-7					Within the commercial spaces for site coverage
SV-8					
SV-9					
SV-10					
IA-4	Indoor Air	:			Co-located with SV-4
IA-5					Co-located with SV-5
IA-6					Co-located with SV-6
IA-7					Co-located with SV-7
IA-8					Co-located with SV-8
IA-9					Co-located with SV-9
IA-10					Co-located with SV-10
Ambient Air	Ambient Air	:			
Trip Blanks	QA / QC	:	TCL VOCs, TCL SVOCs, Pesticides, PCBs, total and dissolved metals, 1,4-dioxane, and per-fluoroalkyl substances	Same as Soil or Groundwater Analysis	Quality assurance and quality control
Soil Duplicate					
Soil Blank					
Soil MS/MSD					
Groundwater Duplicate					
Groundwater MS/MSD					

MDL – Method Detection Limit

Reporting limits are laboratory- and sampling event-specific. The overall objective is to ensure that the minimum reporting levels are such that they can be used to evaluate potential sources, used to assess risk from detected compounds and compared against applicable regulatory standards.

3.6 Qualitative Exposure Assessment

Following receipt of the sample results, a qualitative exposure assessment will be completed. The assessment will be performed in accordance with Section 3.3(c)4 of DER-10 and the NYSDOH guidance for performing a qualitative EA (NYSDEC DER-10; Technical Guidance for Site Investigation and Remediation; Appendix 3 B). The results will be included in the characterization report.

3.7 Health and Safety Plan (HASP)

All work at the Site will be completed in accordance with the Health and Safety Plan (HASP) included in Appendix B.

3.8 Air Monitoring

The NYSDOH Special Requirements Community Air Monitoring Plan (CAMP) will be implemented during all ground-intrusive sampling activities. The NYSDEC Special Requirements CAMP is utilized for work within 20 feet of potentially exposed individuals or structures. Details of the Special Requirements CAMP are included in the HASP (Appendix B).

3.9 Investigation-Derived Waste (IDW)

If grossly-contaminated soil cuttings are encountered or excess soil cuttings are generated, they will be placed in 55-gallon drums. Following the completion of sampling, boreholes will be backfilled with clean cuttings or sand. Any purge water or other investigation-derived waste (IDW) will be containerized in 55-gallon drums. After the investigation is complete, the drum contents will be characterized and off-Site disposal will be arranged.

3.10 Reporting

A characterization report describing the investigation will be prepared to document Site conditions and will meet the requirements of DER-10. The report will include details of the sampling, tabulated sample results and an assessment of the data and conclusions. If warranted, recommendations for additional actions will be included.

Soil sample results will be compared to the Unrestricted Use and Commercial Use soil cleanup objectives (SCOs) as included in Part 375-6.8 and CP-51. Groundwater sample results will be compared to the Class GA Standards and guidance values for groundwater as listed in NYSDEC Technical and Operations Guidance Series (TOGS) 1.1.1 and to the Environmental Protection Agency (EPA) Drinking Water Health Advisory level. Soil vapor, indoor air and ambient sample results will be compared to the NYSDOH AGVs, matrices and/or ambient air background levels.

The report will also include the qualitative exposure assessment, CAMP results, laboratory data packages, DUSR, geologic logs, well construction diagrams and well purging/sampling logs. All data will also be submitted electronically to NYSDEC via the Environmental Information Management System (EIMS) in EqUIS format.

4.0 SCHEDULE

It is estimated that the soil sampling scope of work presented in this work plan can be completed within four field days with an additional ten days for well development. Project activities will be completed within approximately nine weeks after Work Plan approval by NYSDEC. The following project schedule has been developed:

Task	Estimated Duration (business days)	Total Duration (business days)
Work Plan Approval	0	0
Mobilization	7-14	7-14
Soil Sampling and Monitoring Well Installation	2-3	10-17
Monitoring Well Development	10	20-27
Groundwater, Soil Vapor, Sub-Slab Soil Vapor, Indoor Air and Ambient Air Sampling	2	22-29
Laboratory Analysis	10	32-39
Draft Report and Data Validation	30	62-69

5.0 REFERENCES

NYSDEC 2010. New York State Department of Environmental Conservation, Division of Environmental Remediation. DER Technical Guidance for Site Investigation and Remediation (DER-10). 2010.

NYSDEC 2010. New York State Department of Environmental Conservation DEC Policy. Commissioner's Policy 51 – Soil Cleanup Guidance. October 21, 2010.

Limited Phase II Environmental Site Investigation, 432 Riverdale Avenue, Yonkers, New York. CRBE, Inc., May 2018

Summary of Environmental Review, 434 Riverdale Avenue, Yonkers, New York. Tenen Environmental, dated February 25, 2019

Report of Sub-slab Depressurization Installation, 432 Riverdale Avenue, Yonkers, New York 10705. DT Consulting Services, Inc., dated April 28, 2019.

Figures

Appendix A

Records Search Documents

Appendix B

Health and Safety Plan

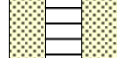
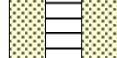
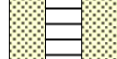
Appendix C

Quality Assurance Project Plan



APPENDIX B

SOIL BORING AND WELL CONSTRUCTION LOGS

PROJECT #:		FAY2101					
SITE ADDRESS:		434 Riverdale Avenue, Yonkers					
BORING ID:		N/A		BORING DEPTH (FT):	CORE LENGTH (FT):		
WELL ID:		MW-001		20	5		
DRILLING CONTRACTOR:		Eastern Environmental Solutions, Inc.		BORING DIAMETER (IN):	WELL DIAMETER (IN):		
DRILLING METHOD:		Direct Push		3.25	2		
DRILLING EQUIPMENT:		Geoprobe 7822DT		DATE STARTED:	DATE FINISHED:		
SAMPLING METHOD:		Macrocore		03/08/2022	03/08/2022		
				TIME STARTED:	TIME FINISHED:		
				11:10	13:10		
				LATITUDE:	LONGITUDE:		
				N/A	N/A		
				PROJECT MANAGER:	LOGGED BY:		
				Michael Gaul	Matt Merrill		
DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0						0.0	 Flush Mount Well Casing with J-Plug
1.0						1.0	
2.0						2.0	
3.0						3.0	 Bentonite chip seal
4.0						4.0	
5.0						5.0	 3.25" diameter borehole
6.0						6.0	
7.0						7.0	
8.0						8.0	 2" diameter Schedule 40 PVC casing
9.0						9.0	
10.0						10.0	
11.0						11.0	
12.0						12.0	 2" diameter, 0.010" slot, Schedule 40 PVC screen
13.0						13.0	
14.0						14.0	
15.0						15.0	
16.0						16.0	 #2/16 filter pack sand
17.0						17.0	
18.0						18.0	
19.0						19.0	 2" diameter Schedule 40 PVC end cap
20.0						20.0	
P.W. Grosser Consulting				End of Boring Depth (feet): 20	Water Table Symbol: 		Page 1 of 1

PROJECT #:		FAY2101			
SITE ADDRESS:		434 Riverdale Avenue, Yonkers			
BORING ID:		N/A		BORING DEPTH (FT): 18	
WELL ID:		MW-002		CORE LENGTH (FT): 5	
DRILLING CONTRACTOR:		Eastern Environmental Solutions, Inc.		BORING DIAMETER (IN): 3.25	
DRILLING METHOD:		Direct Push		DATE STARTED: 03/09/2022	
DRILLING EQUIPMENT:		Geoprobe 7822DT		DATE FINISHED: 03/09/2022	
SAMPLING METHOD:		Macrocore		TIME STARTED: 07:50	
				TIME FINISHED: 10:20	
				LATITUDE: N/A	
				LONGITUDE: N/A	
				PROJECT MANAGER: Michael Gaul	
				LOGGED BY: Matt Merrill	

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0						0.0	Flush Mount Well Casing with J-Plug
1.0						1.0	
2.0						2.0	
3.0						3.0	Bentonite chip seal
4.0						4.0	
5.0						5.0	
6.0						6.0	3.25" diameter borehole
7.0						7.0	2" diameter Schedule 40 PVC casing
8.0						8.0	
9.0						9.0	
10.0						10.0	2" diameter, 0.010" slot, Schedule 40 PVC screen
11.0						11.0	
12.0						12.0	
13.0						13.0	
14.0						14.0	#2/16 filter pack sand
15.0						15.0	
16.0						16.0	
17.0						17.0	2" diameter Schedule 40 PVC end cap
18.0						18.0	

P.W. Grosser Consulting	End of Boring Depth (feet): 18	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		FAY2101			
SITE ADDRESS:		434 Riverdale Avenue, Yonkers			
BORING ID:		SB-001		BORING DEPTH (FT):	CORE LENGTH (FT):
WELL ID:		MW-003		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Eastern Environmental Solutions, Inc.		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Manual Auger		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Hand Auger		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Hand Auger		PROJECT MANAGER:	LOGGED BY:
				Michael Gaul	Matt Merrill

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
-0.4						-0.4	
0.0						0.0	Pop-Up Well Casing with J-Plug
0.4						0.4	
0.8						0.8	
1.2			2	SANDY SILT (ML): Light brown silt with some fine sand, wet, low plasticity, trace gravel, no discernible odor.	2	1.2	
1.6						1.6	
2.0						2.0	3" diameter borehole
2.4						2.4	
2.8						2.8	
3.2						3.2	1" diameter, 0.010" slot, Schedule 40 PVC screen
3.6						3.6	
4.0						4.0	Native Fill
4.4						4.4	
4.8						4.8	
5.2						5.2	1" diameter Schedule 40 PVC end cap
5.6						5.6	

P.W. Grosser Consulting	End of Boring Depth (feet): 5	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		FAY2101			
SITE ADDRESS:		434 Riverdale Avenue, Yonkers			
BORING ID:		SB-002		BORING DEPTH (FT):	CORE LENGTH (FT):
WELL ID:		MW-004		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Eastern Environmental Solutions, Inc.		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Manual Auger		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Hand Auger		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Hand Auger		PROJECT MANAGER:	LOGGED BY:
				Michael Gaul	Matt Merrill

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
-0.4						-0.4	
0.0						0.0	
0.4			1	SANDY SILT (ML): Grey silt with some fine sand, moist, low plasticity, trace gravel, no discernible odor.	0.6	0.4	Pop-Up Well Casing with J-Plug
0.8						0.8	
1.2			1	SANDY SILT (ML): Light brown silt with fine sand, moist, low plasticity, trace gravel, no discernible odor.	0.2	1.2	
1.6						1.6	
2.0						2.0	3" diameter borehole
2.4						2.4	
2.8						2.8	
3.2						3.2	1" diameter, 0.010" slot, Schedule 40 PVC screen
3.6						3.6	
4.0						4.0	Native Fill
4.4						4.4	
4.8						4.8	
5.2						5.2	1" diameter Schedule 40 PVC end cap
5.6						5.6	

P.W. Grosser Consulting	End of Boring Depth (feet): 5	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		FAY2101					
SITE ADDRESS:		434 Riverdale Avenue, Yonkers					
BORING ID:		SB-003		BORING DEPTH (FT):		CORE LENGTH (FT):	
WELL ID:		MW-005		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
DRILLING CONTRACTOR:		Eastern Environmental Solutions, Inc.		DATE STARTED:		DATE FINISHED:	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
DRILLING EQUIPMENT:		Bosch Jackhammer		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Hand Auger		PROJECT MANAGER:		LOGGED BY:	
				Michael Gaul		Matt Merrill	
DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
-0.5						-0.5	
0.0						0.0	Pop-Up Well Casing with J-Plug
0.5						0.5	
1.0						1.0	
1.5			3	FILL: Non-homegenous silty fill with some concrete, corroded metals, paper, trace glass, dry, low/no plasticity, no discernible odor.	0.3	1.5	
2.0						2.0	
2.5						2.5	
3.0						3.0	3" diameter borehole
3.5						3.5	
4.0			2	SANDY SILT (ML): Light brown silt with fine sand, wet, low plasticity, trace gravel, no discernible odor.	0.1	4.0	
4.5						4.5	
5.0						5.0	1" diameter, 0.010" slot, Schedule 40 PVC screen
5.5						5.5	
6.0						6.0	
6.5						6.5	
7.0						7.0	Native Fill
7.5						7.5	
8.0						8.0	
8.5						8.5	
9.0						9.0	
P.W. Grosser Consulting				End of Boring Depth (feet): 9		Water Table Symbol: ▼	
						Page 1 of 1	

PROJECT #:		FAY2101			
SITE ADDRESS:		434 Riverdale Avenue, Yonkers			
BORING ID:		SB-004		BORING DEPTH (FT):	CORE LENGTH (FT):
WELL ID:		N/A		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Eastern Environmental Solutions, Inc.		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Manual Auger		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Hand Auger		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Hand Auger		PROJECT MANAGER:	LOGGED BY:
				Michael Gaul	Matt Merrill

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0						0.0	
0.1						0.1	
0.2						0.2	
0.3						0.3	
0.4						0.4	
0.5						0.5	
0.6						0.6	
0.7						0.7	
0.8						0.8	
0.9						0.9	
1.0			2	SANDY SILT (ML): Light brown silt with fine sand, moist, low plasticity, trace gravel, no discernible odor.	0.3	1.0	
1.1						1.1	
1.2						1.2	
1.3						1.3	
1.4						1.4	
1.5						1.5	
1.6						1.6	
1.7						1.7	
1.8						1.8	
1.9						1.9	

PROJECT #:		FAY2101			
SITE ADDRESS:		434 Riverdale Avenue, Yonkers			
BORING ID:		SB-005		BORING DEPTH (FT):	CORE LENGTH (FT):
WELL ID:		N/A		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Eastern Environmental Solutions, Inc.		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Manual Auger		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Hand Auger		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Hand Auger		PROJECT MANAGER:	LOGGED BY:
				Michael Gaul	Matt Merrill

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0			1 . 2 5	FILL: Dark brown loamy fill with some tile, brick caulk fragments, dry, no plasticity, no discernible odor.	0	0.0	
0.2							
0.4							
0.6							
0.8							
1.0							
1.2							
1.4							
1.6							
1.8							
2.0			2 . 7 5	FILL: Chunky grey ash with slag, coal fragments, fuel ash corrosion, dry, no discernible odor.	0	2.0	
2.2							
2.4							
2.6							
2.8							
3.0							
3.2							
3.4							
3.6							
3.8							

PROJECT #:		FAY2101			
SITE ADDRESS:		434 Riverdale Avenue, Yonkers			
BORING ID:		SB-006		BORING DEPTH (FT):	CORE LENGTH (FT):
WELL ID:		MW-006		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Eastern Environmental Solutions, Inc.		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Direct Push		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Bosch Jackhammer		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Hand Auger		PROJECT MANAGER:	LOGGED BY:
				Michael Gaul	Matt Merrill

DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0						0.0	Flush Mount Well Casing with J-Plug
0.4						0.4	
0.8						0.8	
1.2			2	SANDY SILT (ML): Light brown silt with fine sand, some cinderblock fragments, moist, low plasticity, no discernible odor.	0	1.2	
1.6						1.6	
2.0						2.0	3" diameter borehole
2.4						2.4	
2.8						2.8	
3.2						3.2	1" diameter, 0.010" slot, Schedule 40 PVC screen
3.6						3.6	
4.0						4.0	Native Fill
4.4						4.4	
4.8						4.8	
5.2						5.2	1" diameter Schedule 40 PVC end cap
5.6						5.6	

P.W. Grosser Consulting	End of Boring Depth (feet): 5	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		FAY2101			
SITE ADDRESS:		434 Riverdale Avenue, Yonkers			
BORING ID:		SB-007		BORING DEPTH (FT):	CORE LENGTH (FT):
WELL ID:		N/A		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Eastern Environmental Solutions, Inc.		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Manual Auger		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Hand Auger		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Hand Auger		PROJECT MANAGER:	LOGGED BY:
				Michael Gaul	Matt Merrill

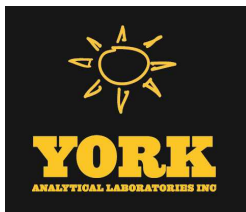
DEPTH (feet)	SAMPLE INTERVAL	USCS KEY	RECOVERY (feet)	DESCRIPTION NAME (USCS): color, moist, plasticity, gravel, odor	PID Reading (ppm)	DEPTH (feet)	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
0.0						0.0	
0.1						0.1	
0.2						0.2	
0.3						0.3	
0.4						0.4	
0.5						0.5	
0.6						0.6	
0.7						0.7	
0.8						0.8	
0.9						0.9	
1.0			2	FILL: Black, gritty fill with some brick, coal, and cinder fragments, dry, no discernible odor.	0	1.0	
1.1						1.1	
1.2						1.2	
1.3						1.3	
1.4						1.4	
1.5						1.5	
1.6						1.6	
1.7						1.7	
1.8						1.8	
1.9						1.9	

P.W. Grosser Consulting	End of Boring Depth (feet): 2	Water Table Symbol: ▼	Page 1 of 1



APPENDIX C

LABORATORY ANALYTICAL REPORTS



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Avenue, Suite 7

Bohemia NY, 11716

Attention: Michael Gaul

Report Date: 03/17/2022

Client Project ID: FAY2101 434 Riverdale Ave, Yonkers

York Project (SDG) No.: 22C0596



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/17/2022
Client Project ID: FAY2101 434 Riverdale Ave, Yonkers
York Project (SDG) No.: 22C0596

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia NY, 11716
Attention: Michael Gaul

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 10, 2022 and listed below. The project was identified as your project: **FAY2101 434 Riverdale Ave, Yonkers.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
22C0596-01	Equipment Blank	Water	03/09/2022	03/10/2022
22C0596-02	SB-004 (0-2)	Soil	03/09/2022	03/10/2022
22C0596-03	SB-003 (0-2)	Soil	03/09/2022	03/10/2022
22C0596-04	DUP001	Soil	03/09/2022	03/10/2022
22C0596-05	SB-002 (0-2)	Soil	03/09/2022	03/10/2022
22C0596-06	SB-001 (0-2)	Soil	03/09/2022	03/10/2022
22C0596-07	Trip Blank	Water	03/09/2022	03/10/2022

General Notes for York Project (SDG) No.: 22C0596

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 03/17/2022





Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 22C0596-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Water

March 9, 2022 2:10 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
79-00-5	1,1,2-Trichloroethane	2.16	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
107-06-2	1,2-Dichloroethane	0.770		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 22C0596-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Water

March 9, 2022 2:10 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
108-10-1	4-Methyl-2-pentanone	0.530		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 22C0596-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Water

March 9, 2022 2:10 pm

03/10/2022

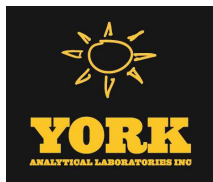
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/15/2022 06:15	03/15/2022 18:38	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/15/2022 06:15	03/15/2022 18:38	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-65-0	tert-Butyl alcohol (TBA)	1.97		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 22C0596-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Water

March 9, 2022 2:10 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 18:38	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 06:15	03/15/2022 18:38	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	108 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	120 %	79-122								



Sample Information

Client Sample ID: SB-004 (0-2)

York Sample ID: 22C0596-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 1:55 pm

03/10/2022

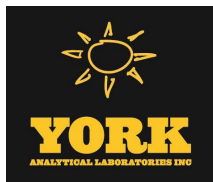
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 09:49	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 09:49	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC



Sample Information

Client Sample ID: SB-004 (0-2)

York Sample ID: 22C0596-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 1:55 pm

03/10/2022

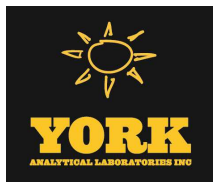
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 09:49	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC



Sample Information

Client Sample ID: SB-004 (0-2)

York Sample ID: 22C0596-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 1:55 pm

03/10/2022

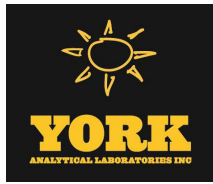
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-09-2	Methylene chloride	0.011		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC



Sample Information

Client Sample ID: SB-004 (0-2)

York Sample ID: 22C0596-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 1:55 pm

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 09:49	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 09:49	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.1		%	0.100	1	SM 2540G Certifications: CTDOH	03/17/2022 16:30	03/17/2022 16:31	JTG



Sample Information

Client Sample ID: SB-003 (0-2)

York Sample ID: 22C0596-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 1:40 pm

03/10/2022

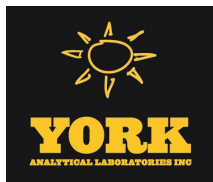
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 10:15	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 10:15	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC



Sample Information

Client Sample ID: SB-003 (0-2)

York Sample ID: 22C0596-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 1:40 pm

03/10/2022

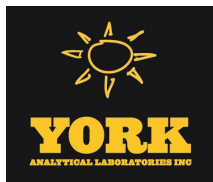
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 10:15	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC



Sample Information

Client Sample ID: SB-003 (0-2)

York Sample ID: 22C0596-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 1:40 pm

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-09-2	Methylene chloride	0.0053	J	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC



Sample Information

Client Sample ID: SB-003 (0-2)

York Sample ID: 22C0596-03

York Project (SDG) No.
22C0596

Client Project ID
FAY2101 434 Riverdale Ave, Yonkers

Matrix
Soil

Collection Date/Time
March 9, 2022 1:40 pm

Date Received
03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:15	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 10:15	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.4 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/17/2022 16:30	03/17/2022 16:31	JTG



Sample Information

Client Sample ID: DUP001

York Sample ID: 22C0596-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 2:45 pm

03/10/2022

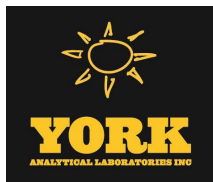
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 10:41	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 10:41	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC



Sample Information

Client Sample ID: DUP001

York Sample ID: 22C0596-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 2:45 pm

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 10:41	BMC
78-93-3	2-Butanone	0.017		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
67-64-1	Acetone	0.038	CCV-E	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-15-0	Carbon disulfide	0.0031	J	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC



Sample Information

Client Sample ID: DUP001

York Sample ID: 22C0596-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 2:45 pm

03/10/2022

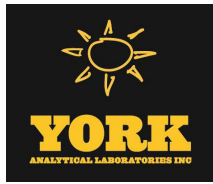
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	0.080		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC



Sample Information

Client Sample ID: DUP001

York Sample ID: 22C0596-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 2:45 pm

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	0.0052	QL-02	mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
156-60-5	trans-1,2-Dichloroethylene	0.12		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
79-01-6	Trichloroethylene	0.0081		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 10:41	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 10:41	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.5		%	0.100	1	SM 2540G Certifications: CTDOH	03/17/2022 16:30	03/17/2022 16:31	JTG



Sample Information

Client Sample ID: SB-002 (0-2)

York Sample ID: 22C0596-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 11:45 am

03/10/2022

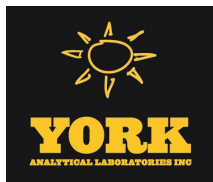
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:07	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:07	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC



Sample Information

Client Sample ID: SB-002 (0-2)

York Sample ID: 22C0596-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 11:45 am

03/10/2022

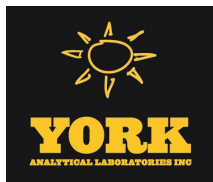
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:07	BMC
78-93-3	2-Butanone	0.0045	J	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
67-64-1	Acetone	0.024	CCV-E	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC



Sample Information

Client Sample ID: SB-002 (0-2)

York Sample ID: 22C0596-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 11:45 am

03/10/2022

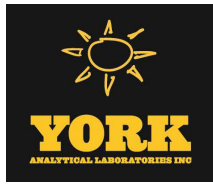
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	0.031		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-09-2	Methylene chloride	0.0081	J	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC



Sample Information

Client Sample ID: SB-002 (0-2)

York Sample ID: 22C0596-05

York Project (SDG) No.

22C0596

Client Project ID

FAY2101 434 Riverdale Ave, Yonkers

Matrix

Soil

Collection Date/Time

March 9, 2022 11:45 am

Date Received

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
156-60-5	trans-1,2-Dichloroethylene	0.055		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
79-01-6	Trichloroethylene	0.0037	J	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:07	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:07	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.9 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.4		%	0.100	1	SM 2540G Certifications: CTDOH	03/17/2022 16:30	03/17/2022 16:31	JTG



Sample Information

Client Sample ID: SB-001 (0-2)

York Sample ID: 22C0596-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 11:25 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:33	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:33	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC



Sample Information

Client Sample ID: SB-001 (0-2)

York Sample ID: 22C0596-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 11:25 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.062	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:33	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
67-64-1	Acetone	0.0079	CCV-E, J	mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC



Sample Information

Client Sample ID: SB-001 (0-2)

York Sample ID: 22C0596-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 11:25 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	0.19		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC



Sample Information

Client Sample ID: SB-001 (0-2)

York Sample ID: 22C0596-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Soil

March 9, 2022 11:25 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	0.096	QL-02	mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
79-01-6	Trichloroethylene	0.069		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:33	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0093	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:33	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	75.5		%	0.100	1	SM 2540G Certifications: CTDOH	03/17/2022 16:30	03/17/2022 16:31	JTG



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22C0596-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Water

March 9, 2022 2:45 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22C0596-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Water

March 9, 2022 2:45 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	2.45	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
591-78-6	2-Hexanone	0.570	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
67-64-1	Acetone	3.45	B	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
74-87-3	Chloromethane	0.270	CCV-E, J, B	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22C0596-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Water

March 9, 2022 2:45 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/15/2022 06:15	03/15/2022 17:01	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/15/2022 06:15	03/15/2022 17:01	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22C0596-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0596

FAY2101 434 Riverdale Ave, Yonkers

Water

March 9, 2022 2:45 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2022 06:15	03/15/2022 17:01	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2022 06:15	03/15/2022 17:01	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	105 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	117 %	79-122								



Analytical Batch Summary

Batch ID: BC22274

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C0596-01	Equipment Blank	03/15/22
22C0596-07	Trip Blank	03/15/22
BC22274-BLK1	Blank	03/15/22
BC22274-BS1	LCS	03/15/22
BC22274-BSD1	LCS Dup	03/15/22

Batch ID: BC22411

Preparation Method: EPA 5035A

Prepared By: BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0596-02	SB-004 (0-2)	03/16/22
22C0596-03	SB-003 (0-2)	03/16/22
22C0596-04	DUP001	03/16/22
22C0596-05	SB-002 (0-2)	03/16/22
22C0596-06	SB-001 (0-2)	03/16/22
BC22411-BLK1	Blank	03/16/22
BC22411-BLK2	Blank	03/16/22
BC22411-BS1	LCS	03/16/22
BC22411-BSD1	LCS Dup	03/16/22
BC22411-MS1	Matrix Spike	03/16/22
BC22411-MSD1	Matrix Spike Dup	03/16/22

Batch ID: BC22435

Preparation Method: % Solids Prep

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C0596-02	SB-004 (0-2)	03/17/22
22C0596-03	SB-003 (0-2)	03/17/22
22C0596-04	DUP001	03/17/22
22C0596-05	SB-002 (0-2)	03/17/22
22C0596-06	SB-001 (0-2)	03/17/22
BC22435-DUP1	Duplicate	03/17/22



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22274 - EPA 5030B

Blank (BC22274-BLK1)

Prepared & Analyzed: 03/15/2022

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2-Butanone	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	1.08	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	0.290	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22274 - EPA 5030B

Blank (BC22274-BLK1)

Prepared & Analyzed: 03/15/2022

Methylene chloride	1.13	2.00	ug/L								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURR: Toluene-d8	10.4		"	10.0		104	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.8		"	10.0		118	79-122				

LCS (BC22274-BS1)

Prepared & Analyzed: 03/15/2022

1,1,1,2-Tetrachloroethane	8.72		ug/L	10.0		87.2	82-126				
1,1,1-Trichloroethane	8.89		"	10.0		88.9	78-136				
1,1,2,2-Tetrachloroethane	9.77		"	10.0		97.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.16		"	10.0		91.6	54-165				
1,1,2-Trichloroethane	7.95		"	10.0		79.5	82-123	Low Bias			
1,1-Dichloroethane	9.38		"	10.0		93.8	82-129				
1,1-Dichloroethylene	10.0		"	10.0		100	68-138				
1,2,3-Trichlorobenzene	8.12		"	10.0		81.2	76-136				
1,2,3-Trichloropropane	9.59		"	10.0		95.9	77-128				
1,2,4-Trichlorobenzene	8.33		"	10.0		83.3	76-137				
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	7.27		"	10.0		72.7	45-147				
1,2-Dibromoethane	7.89		"	10.0		78.9	83-124	Low Bias			
1,2-Dichlorobenzene	9.89		"	10.0		98.9	79-123				
1,2-Dichloroethane	8.88		"	10.0		88.8	73-132				
1,2-Dichloropropane	10.2		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131				
1,3-Dichlorobenzene	9.32		"	10.0		93.2	86-122				
1,3-Dichloropropane	8.41		"	10.0		84.1	81-125				
1,4-Dichlorobenzene	9.48		"	10.0		94.8	85-124				
1,4-Dioxane	212		"	210		101	10-349				
2-Butanone	8.15		"	10.0		81.5	49-152				
2-Hexanone	8.71		"	10.0		87.1	51-146				
4-Methyl-2-pentanone	8.81		"	10.0		88.1	57-145				
Acetone	10.2		"	10.0		102	14-150				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22274 - EPA 5030B											
LCS (BC22274-BS1)						Prepared & Analyzed: 03/15/2022					
Acrolein	5.18		ug/L	10.0		51.8	10-153				
Acrylonitrile	8.44		"	10.0		84.4	51-150				
Benzene	8.89		"	10.0		88.9	85-126				
Bromochloromethane	9.13		"	10.0		91.3	77-128				
Bromodichloromethane	8.74		"	10.0		87.4	79-128				
Bromoform	7.64		"	10.0		76.4	78-133	Low Bias			
Bromomethane	4.41		"	10.0		44.1	43-168				
Carbon disulfide	8.24		"	10.0		82.4	68-146				
Carbon tetrachloride	8.97		"	10.0		89.7	77-141				
Chlorobenzene	9.35		"	10.0		93.5	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	8.97		"	10.0		89.7	82-128				
Chloromethane	12.4		"	10.0		124	43-155				
cis-1,2-Dichloroethylene	9.43		"	10.0		94.3	83-129				
cis-1,3-Dichloropropylene	8.58		"	10.0		85.8	80-131				
Cyclohexane	7.29		"	10.0		72.9	63-149				
Dibromochloromethane	7.46		"	10.0		74.6	80-130	Low Bias			
Dibromomethane	8.18		"	10.0		81.8	72-134				
Dichlorodifluoromethane	13.0		"	10.0		130	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	8.61		"	10.0		86.1	67-146				
Isopropylbenzene	11.4		"	10.0		114	76-140				
Methyl acetate	8.54		"	10.0		85.4	51-139				
Methyl tert-butyl ether (MTBE)	8.03		"	10.0		80.3	76-135				
Methylcyclohexane	9.49		"	10.0		94.9	72-143				
Methylene chloride	11.3		"	10.0		113	55-137				
Naphthalene	8.14		"	10.0		81.4	70-147				
n-Butylbenzene	10.1		"	10.0		101	79-132				
n-Propylbenzene	11.5		"	10.0		115	78-133				
o-Xylene	9.94		"	10.0		99.4	78-130				
p- & m- Xylenes	17.3		"	20.0		86.6	77-133				
p-Diethylbenzene	9.84		"	10.0		98.4	84-134				
p-Ethyltoluene	12.2		"	10.0		122	88-129				
p-Isopropyltoluene	10.5		"	10.0		105	81-136				
sec-Butylbenzene	10.7		"	10.0		107	79-137				
Styrene	8.95		"	10.0		89.5	67-132				
tert-Butyl alcohol (TBA)	42.4		"	50.0		84.8	25-162				
tert-Butylbenzene	8.76		"	10.0		87.6	77-138				
Tetrachloroethylene	8.99		"	10.0		89.9	82-131				
Toluene	9.52		"	10.0		95.2	80-127				
trans-1,2-Dichloroethylene	9.52		"	10.0		95.2	80-132				
trans-1,3-Dichloropropylene	8.14		"	10.0		81.4	78-131				
Trichloroethylene	9.06		"	10.0		90.6	82-128				
Trichlorofluoromethane	10.9		"	10.0		109	67-139				
Vinyl Chloride	11.4		"	10.0		114	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.75		"	10.0		97.5	69-130				
Surrogate: SURR: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.3		"	10.0		113	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22274 - EPA 5030B											
LCS Dup (BC22274-BSD1)						Prepared & Analyzed: 03/15/2022					
1,1,1,2-Tetrachloroethane	8.54		ug/L	10.0		85.4	82-126		2.09	30	
1,1,1-Trichloroethane	8.46		"	10.0		84.6	78-136		4.96	30	
1,1,2,2-Tetrachloroethane	9.72		"	10.0		97.2	76-129		0.513	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.65		"	10.0		86.5	54-165		5.73	30	
1,1,2-Trichloroethane	8.08		"	10.0		80.8	82-123	Low Bias	1.62	30	
1,1-Dichloroethane	8.99		"	10.0		89.9	82-129		4.25	30	
1,1-Dichloroethylene	9.45		"	10.0		94.5	68-138		6.15	30	
1,2,3-Trichlorobenzene	8.25		"	10.0		82.5	76-136		1.59	30	
1,2,3-Trichloropropane	9.53		"	10.0		95.3	77-128		0.628	30	
1,2,4-Trichlorobenzene	8.40		"	10.0		84.0	76-137		0.837	30	
1,2,4-Trimethylbenzene	9.95		"	10.0		99.5	82-132		5.00	30	
1,2-Dibromo-3-chloropropane	7.43		"	10.0		74.3	45-147		2.18	30	
1,2-Dibromoethane	8.15		"	10.0		81.5	83-124	Low Bias	3.24	30	
1,2-Dichlorobenzene	9.64		"	10.0		96.4	79-123		2.56	30	
1,2-Dichloroethane	9.03		"	10.0		90.3	73-132		1.68	30	
1,2-Dichloropropane	9.99		"	10.0		99.9	78-126		2.18	30	
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131		6.15	30	
1,3-Dichlorobenzene	9.01		"	10.0		90.1	86-122		3.38	30	
1,3-Dichloropropane	8.47		"	10.0		84.7	81-125		0.711	30	
1,4-Dichlorobenzene	9.16		"	10.0		91.6	85-124		3.43	30	
1,4-Dioxane	222		"	210		105	10-349		4.37	30	
2-Butanone	8.55		"	10.0		85.5	49-152		4.79	30	
2-Hexanone	9.47		"	10.0		94.7	51-146		8.36	30	
4-Methyl-2-pentanone	9.49		"	10.0		94.9	57-145		7.43	30	
Acetone	10.2		"	10.0		102	14-150		0.196	30	
Acrolein	5.62		"	10.0		56.2	10-153		8.15	30	
Acrylonitrile	8.75		"	10.0		87.5	51-150		3.61	30	
Benzene	8.57		"	10.0		85.7	85-126		3.67	30	
Bromochloromethane	9.23		"	10.0		92.3	77-128		1.09	30	
Bromodichloromethane	8.60		"	10.0		86.0	79-128		1.61	30	
Bromoform	8.00		"	10.0		80.0	78-133		4.60	30	
Bromomethane	3.95		"	10.0		39.5	43-168	Low Bias	11.0	30	
Carbon disulfide	7.83		"	10.0		78.3	68-146		5.10	30	
Carbon tetrachloride	8.60		"	10.0		86.0	77-141		4.21	30	
Chlorobenzene	9.13		"	10.0		91.3	88-120		2.38	30	
Chloroethane	9.45		"	10.0		94.5	65-136		7.44	30	
Chloroform	8.76		"	10.0		87.6	82-128		2.37	30	
Chloromethane	11.5		"	10.0		115	43-155		7.28	30	
cis-1,2-Dichloroethylene	9.07		"	10.0		90.7	83-129		3.89	30	
cis-1,3-Dichloropropylene	8.51		"	10.0		85.1	80-131		0.819	30	
Cyclohexane	6.93		"	10.0		69.3	63-149		5.06	30	
Dibromochloromethane	7.65		"	10.0		76.5	80-130	Low Bias	2.51	30	
Dibromomethane	8.21		"	10.0		82.1	72-134		0.366	30	
Dichlorodifluoromethane	11.9		"	10.0		119	44-144		8.36	30	
Ethyl Benzene	9.70		"	10.0		97.0	80-131		3.94	30	
Hexachlorobutadiene	9.17		"	10.0		91.7	67-146		6.30	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		8.62	30	
Methyl acetate	8.85		"	10.0		88.5	51-139		3.57	30	
Methyl tert-butyl ether (MTBE)	8.29		"	10.0		82.9	76-135		3.19	30	
Methyleyclohexane	9.09		"	10.0		90.9	72-143		4.31	30	
Methylene chloride	12.5		"	10.0		125	55-137		10.6	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22274 - EPA 5030B

LCS Dup (BC22274-BSD1)

Prepared & Analyzed: 03/15/2022

Naphthalene	8.39		ug/L	10.0		83.9	70-147		3.02	30	
n-Butylbenzene	9.83		"	10.0		98.3	79-132		2.31	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		7.86	30	
o-Xylene	9.64		"	10.0		96.4	78-130		3.06	30	
p- & m- Xylenes	16.6		"	20.0		83.0	77-133		4.25	30	
p-Diethylbenzene	9.59		"	10.0		95.9	84-134		2.57	30	
p-Ethyltoluene	11.4		"	10.0		114	88-129		6.96	30	
p-Isopropyltoluene	10.1		"	10.0		101	81-136		3.99	30	
sec-Butylbenzene	10.1		"	10.0		101	79-137		5.19	30	
Styrene	8.84		"	10.0		88.4	67-132		1.24	30	
tert-Butyl alcohol (TBA)	51.5		"	50.0		103	25-162		19.4	30	
tert-Butylbenzene	8.23		"	10.0		82.3	77-138		6.24	30	
Tetrachloroethylene	8.61		"	10.0		86.1	82-131		4.32	30	
Toluene	9.13		"	10.0		91.3	80-127		4.18	30	
trans-1,2-Dichloroethylene	9.03		"	10.0		90.3	80-132		5.28	30	
trans-1,3-Dichloropropylene	8.21		"	10.0		82.1	78-131		0.856	30	
Trichloroethylene	8.54		"	10.0		85.4	82-128		5.91	30	
Trichlorofluoromethane	10.2		"	10.0		102	67-139		6.51	30	
Vinyl Chloride	10.0		"	10.0		100	58-145		13.3	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	11.0		"	10.0		110	79-122				

Batch BC22411 - EPA 5035A

Blank (BC22411-BLK1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

Blank (BC22411-BLK1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

2-Hexanone	ND	0.0050	mg/kg wet								
4-Chlorotoluene	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromobenzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methyleyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl acetate	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	49.5		ug/L	50.0		99.0	77-125				
Surrogate: SURR: Toluene-d8	49.0		"	50.0		98.1	85-120				





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

Blank (BC22411-BLK1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

Surrogate: SURR: p-Bromofluorobenzene 54.9 ug/L 50.0 110 76-130

Blank (BC22411-BLK2)

Prepared: 03/16/2022 Analyzed: 03/17/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

Blank (BC22411-BLK2)

Prepared: 03/16/2022 Analyzed: 03/17/2022

Dichlorodifluoromethane	ND	0.0050	mg/kg wet
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl acetate	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: SURR: 1,2-Dichloroethane-d4	49.7	ug/L	50.0	99.3	77-125
Surrogate: SURR: Toluene-d8	49.5	"	50.0	99.0	85-120
Surrogate: SURR: p-Bromofluorobenzene	53.2	"	50.0	106	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22411 - EPA 5035A											
LCS (BC22411-BS1)						Prepared: 03/16/2022 Analyzed: 03/17/2022					
1,1,1,2-Tetrachloroethane	45.0		ug/L	50.0		89.9	75-129				
1,1,1-Trichloroethane	43.2		"	50.0		86.4	71-137				
1,1,2,2-Tetrachloroethane	46.9		"	50.0		93.8	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.3		"	50.0		82.7	58-146				
1,1,2-Trichloroethane	45.2		"	50.0		90.3	83-123				
1,1-Dichloroethane	42.1		"	50.0		84.3	75-130				
1,1-Dichloroethylene	40.5		"	50.0		81.1	64-137				
1,1-Dichloropropylene	39.8		"	50.0		79.5	77-127				
1,2,3-Trichlorobenzene	42.3		"	50.0		84.6	81-140				
1,2,3-Trichloropropane	48.3		"	50.0		96.5	81-126				
1,2,4-Trichlorobenzene	40.4		"	50.0		80.8	80-141				
1,2,4-Trimethylbenzene	44.9		"	50.0		89.8	84-125				
1,2-Dibromo-3-chloropropane	48.1		"	50.0		96.3	74-142				
1,2-Dibromoethane	46.2		"	50.0		92.3	86-123				
1,2-Dichlorobenzene	44.7		"	50.0		89.3	85-122				
1,2-Dichloroethane	43.6		"	50.0		87.1	71-133				
1,2-Dichloropropane	46.5		"	50.0		92.9	81-122				
1,3,5-Trimethylbenzene	44.0		"	50.0		87.9	82-126				
1,3-Dichlorobenzene	43.3		"	50.0		86.6	84-124				
1,3-Dichloropropane	45.3		"	50.0		90.7	83-123				
1,4-Dichlorobenzene	42.8		"	50.0		85.6	84-124				
1,4-Dioxane	1010		"	1050		95.9	10-228				
2,2-Dichloropropane	40.8		"	50.0		81.6	67-136				
2-Butanone	40.9		"	50.0		81.7	58-147				
2-Chlorotoluene	44.8		"	50.0		89.6	78-127				
2-Hexanone	44.2		"	50.0		88.3	70-139				
4-Chlorotoluene	44.5		"	50.0		89.0	79-125				
4-Methyl-2-pentanone	35.3		"	50.0		70.7	72-132	Low Bias			
Acetone	29.4		"	50.0		58.7	36-155				
Acrolein	9.43		"	50.0		18.9	10-238				
Acrylonitrile	42.8		"	50.0		85.7	66-141				
Benzene	43.6		"	50.0		87.2	77-127				
Bromobenzene	45.7		"	50.0		91.5	77-129				
Bromochloromethane	43.4		"	50.0		86.8	74-129				
Bromodichloromethane	45.2		"	50.0		90.4	81-124				
Bromoform	47.9		"	50.0		95.8	80-136				
Bromomethane	35.0		"	50.0		69.9	32-177				
Carbon disulfide	41.5		"	50.0		82.9	10-136				
Carbon tetrachloride	42.4		"	50.0		84.8	66-143				
Chlorobenzene	46.2		"	50.0		92.5	86-120				
Chloroethane	39.0		"	50.0		77.9	51-142				
Chloroform	43.2		"	50.0		86.4	76-131				
Chloromethane	34.2		"	50.0		68.4	49-132				
cis-1,2-Dichloroethylene	41.4		"	50.0		82.9	74-132				
cis-1,3-Dichloropropylene	41.6		"	50.0		83.1	81-129				
Cyclohexane	41.4		"	50.0		82.8	70-130				
Dibromochloromethane	45.7		"	50.0		91.4	10-200				
Dibromomethane	44.6		"	50.0		89.3	83-124				
Dichlorodifluoromethane	24.4		"	50.0		48.8	28-158				
Ethyl Benzene	44.6		"	50.0		89.2	84-125				
Hexachlorobutadiene	42.8		"	50.0		85.7	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

LCS (BC22411-BS1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

Isopropylbenzene	46.6		ug/L	50.0		93.1	81-127				
Methyl acetate	44.0		"	50.0		88.0	41-143				
Methyl tert-butyl ether (MTBE)	46.2		"	50.0		92.4	74-131				
Methylcyclohexane	42.7		"	50.0		85.4	70-130				
Methylene chloride	42.2		"	50.0		84.5	57-141				
n-Butylbenzene	40.6		"	50.0		81.2	80-130				
n-Propylbenzene	44.0		"	50.0		87.9	74-136				
o-Xylene	45.2		"	50.0		90.5	83-123				
p- & m- Xylenes	88.9		"	100		88.9	82-128				
p-Isopropyltoluene	43.9		"	50.0		87.8	85-125				
sec-Butylbenzene	44.4		"	50.0		88.9	83-125				
Styrene	43.6		"	50.0		87.1	86-126				
tert-Butyl alcohol (TBA)	290		"	250		116	70-130				
tert-Butylbenzene	39.7		"	50.0		79.4	80-127	Low Bias			
Tetrachloroethylene	39.2		"	50.0		78.4	80-129	Low Bias			
Toluene	44.0		"	50.0		88.0	85-121				
trans-1,2-Dichloroethylene	41.9		"	50.0		83.7	72-132				
trans-1,3-Dichloropropylene	42.8		"	50.0		85.7	78-132				
Trichloroethylene	44.9		"	50.0		89.9	84-123				
Trichlorofluoromethane	36.5		"	50.0		73.0	62-140				
Vinyl acetate	38.6		"	50.0		77.1	67-136				
Vinyl Chloride	35.2		"	50.0		70.5	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	48.8		"	50.0		97.6	77-125				
Surrogate: SURR: Toluene-d8	49.4		"	50.0		98.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	52.3		"	50.0		105	76-130				

LCS Dup (BC22411-BS1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

1,1,1,2-Tetrachloroethane	47.5		ug/L	50.0		95.1	75-129		5.56	30	
1,1,1-Trichloroethane	45.4		"	50.0		90.8	71-137		5.01	30	
1,1,2,2-Tetrachloroethane	48.4		"	50.0		96.9	79-129		3.25	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.3		"	50.0		86.7	58-146		4.70	30	
1,1,2-Trichloroethane	47.8		"	50.0		95.7	83-123		5.74	30	
1,1-Dichloroethane	45.4		"	50.0		90.8	75-130		7.49	30	
1,1-Dichloroethylene	42.2		"	50.0		84.3	64-137		3.89	30	
1,1-Dichloropropylene	42.7		"	50.0		85.3	77-127		7.01	30	
1,2,3-Trichlorobenzene	46.6		"	50.0		93.2	81-140		9.61	30	
1,2,3-Trichloropropane	49.0		"	50.0		98.0	81-126		1.52	30	
1,2,4-Trichlorobenzene	45.2		"	50.0		90.5	80-141		11.4	30	
1,2,4-Trimethylbenzene	48.2		"	50.0		96.4	84-125		7.13	30	
1,2-Dibromo-3-chloropropane	50.2		"	50.0		100	74-142		4.15	30	
1,2-Dibromoethane	48.5		"	50.0		97.0	86-123		4.95	30	
1,2-Dichlorobenzene	47.7		"	50.0		95.4	85-122		6.56	30	
1,2-Dichloroethane	45.8		"	50.0		91.6	71-133		4.97	30	
1,2-Dichloropropane	49.0		"	50.0		98.0	81-122		5.32	30	
1,3,5-Trimethylbenzene	46.9		"	50.0		93.9	82-126		6.58	30	
1,3-Dichlorobenzene	47.5		"	50.0		95.0	84-124		9.27	30	
1,3-Dichloropropane	46.8		"	50.0		93.6	83-123		3.17	30	
1,4-Dichlorobenzene	46.8		"	50.0		93.6	84-124		8.97	30	
1,4-Dioxane	1010		"	1050		96.6	10-228		0.733	30	
2,2-Dichloropropane	44.3		"	50.0		88.5	67-136		8.11	30	
2-Butanone	42.9		"	50.0		85.8	58-147		4.89	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22411 - EPA 5035A											
LCS Dup (BC22411-BSD1)						Prepared: 03/16/2022 Analyzed: 03/17/2022					
2-Chlorotoluene	47.9		ug/L	50.0		95.7	78-127		6.58	30	
2-Hexanone	45.8		"	50.0		91.5	70-139		3.51	30	
4-Chlorotoluene	47.8		"	50.0		95.6	79-125		7.09	30	
4-Methyl-2-pentanone	36.2		"	50.0		72.4	72-132		2.43	30	
Acetone	31.3		"	50.0		62.6	36-155		6.36	30	
Acrolein	10.3		"	50.0		20.7	10-238		9.11	30	
Acrylonitrile	45.5		"	50.0		91.0	66-141		6.07	30	
Benzene	46.2		"	50.0		92.4	77-127		5.81	30	
Bromobenzene	48.2		"	50.0		96.5	77-129		5.32	30	
Bromochloromethane	45.5		"	50.0		91.1	74-129		4.81	30	
Bromodichloromethane	47.3		"	50.0		94.6	81-124		4.48	30	
Bromoform	49.3		"	50.0		98.7	80-136		2.92	30	
Bromomethane	37.2		"	50.0		74.5	32-177		6.34	30	
Carbon disulfide	44.2		"	50.0		88.3	10-136		6.28	30	
Carbon tetrachloride	45.5		"	50.0		91.1	66-143		7.09	30	
Chlorobenzene	48.4		"	50.0		96.7	86-120		4.46	30	
Chloroethane	40.4		"	50.0		80.9	51-142		3.68	30	
Chloroform	46.5		"	50.0		92.9	76-131		7.29	30	
Chloromethane	36.3		"	50.0		72.6	49-132		5.93	30	
cis-1,2-Dichloroethylene	44.8		"	50.0		89.6	74-132		7.77	30	
cis-1,3-Dichloropropylene	44.6		"	50.0		89.1	81-129		6.99	30	
Cyclohexane	43.4		"	50.0		86.8	70-130		4.67	30	
Dibromochloromethane	47.8		"	50.0		95.5	10-200		4.41	30	
Dibromomethane	46.8		"	50.0		93.7	83-124		4.83	30	
Dichlorodifluoromethane	25.6		"	50.0		51.1	28-158		4.60	30	
Ethyl Benzene	47.3		"	50.0		94.6	84-125		5.83	30	
Hexachlorobutadiene	46.4		"	50.0		92.7	83-133		7.92	30	
Isopropylbenzene	49.0		"	50.0		98.1	81-127		5.19	30	
Methyl acetate	45.3		"	50.0		90.7	41-143		2.95	30	
Methyl tert-butyl ether (MTBE)	48.3		"	50.0		96.6	74-131		4.49	30	
Methylcyclohexane	44.9		"	50.0		89.8	70-130		5.09	30	
Methylene chloride	45.7		"	50.0		91.4	57-141		7.89	30	
n-Butylbenzene	44.4		"	50.0		88.7	80-130		8.87	30	
n-Propylbenzene	46.7		"	50.0		93.4	74-136		6.02	30	
o-Xylene	48.3		"	50.0		96.6	83-123		6.54	30	
p- & m- Xylenes	95.1		"	100		95.1	82-128		6.69	30	
p-Isopropyltoluene	47.2		"	50.0		94.4	85-125		7.22	30	
sec-Butylbenzene	47.3		"	50.0		94.7	83-125		6.28	30	
Styrene	46.3		"	50.0		92.6	86-126		6.08	30	
tert-Butyl alcohol (TBA)	292		"	250		117	70-130		0.591	30	
tert-Butylbenzene	42.0		"	50.0		83.9	80-127		5.61	30	
Tetrachloroethylene	41.7		"	50.0		83.5	80-129		6.28	30	
Toluene	46.7		"	50.0		93.4	85-121		5.95	30	
trans-1,2-Dichloroethylene	44.8		"	50.0		89.6	72-132		6.74	30	
trans-1,3-Dichloropropylene	45.4		"	50.0		90.8	78-132		5.80	30	
Trichloroethylene	47.9		"	50.0		95.8	84-123		6.36	30	
Trichlorofluoromethane	38.9		"	50.0		77.8	62-140		6.31	30	
Vinyl acetate	41.4		"	50.0		82.9	67-136		7.15	30	
Vinyl Chloride	36.8		"	50.0		73.6	52-130		4.25	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	48.0		"	50.0		96.0	77-125				
Surrogate: SURR: Toluene-d8	49.5		"	50.0		99.0	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

LCS Dup (BC22411-BSD1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

Surrogate: SURR: p-Bromofluorobenzene	51.4	ug/L	50.0	103	76-130

Matrix Spike (BC22411-MS1)

*Source sample: 22C0658-01 (Matrix Spike)

Prepared: 03/16/2022 Analyzed: 03/17/2022

1,1,1,2-Tetrachloroethane	19.8	ug/L	50.0	0.00	39.6	15-161	
1,1,1-Trichloroethane	27.8	"	50.0	0.00	55.6	42-145	
1,1,2,2-Tetrachloroethane	20.7	"	50.0	0.00	41.4	16-167	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	28.8	"	50.0	0.00	57.6	11-160	
1,1,2-Trichloroethane	24.2	"	50.0	0.00	48.5	44-145	
1,1-Dichloroethane	29.2	"	50.0	0.00	58.5	46-142	
1,1-Dichloroethylene	28.0	"	50.0	0.00	56.1	30-153	
1,1-Dichloropropylene	25.2	"	50.0	0.00	50.4	40-133	
1,2,3-Trichlorobenzene	6.57	"	50.0	0.00	13.1	10-157	
1,2,3-Trichloropropane	23.3	"	50.0	0.00	46.6	38-155	
1,2,4-Trichlorobenzene	7.00	"	50.0	0.00	14.0	10-151	
1,2,4-Trimethylbenzene	18.6	"	50.0	0.00	37.2	10-170	
1,2-Dibromo-3-chloropropane	15.2	"	50.0	0.00	30.3	36-138	Low Bias
1,2-Dibromoethane	19.7	"	50.0	0.00	39.3	40-142	Low Bias
1,2-Dichlorobenzene	11.9	"	50.0	0.00	23.8	10-147	
1,2-Dichloroethane	25.2	"	50.0	0.00	50.4	48-133	
1,2-Dichloropropane	28.1	"	50.0	0.00	56.2	47-141	
1,3,5-Trimethylbenzene	19.0	"	50.0	0.00	38.0	10-150	
1,3-Dichlorobenzene	12.9	"	50.0	0.00	25.8	10-144	
1,3-Dichloropropane	23.1	"	50.0	0.00	46.2	43-142	
1,4-Dichlorobenzene	11.8	"	50.0	0.00	23.6	10-160	
1,4-Dioxane	771	"	1050	0.00	73.4	10-191	
2,2-Dichloropropane	24.1	"	50.0	0.00	48.3	38-130	
2-Butanone	7.59	"	50.0	0.00	15.2	10-189	
2-Chlorotoluene	18.1	"	50.0	0.00	36.1	14-144	
2-Hexanone	0.00	"	50.0	0.00		10-181	Low Bias
4-Chlorotoluene	16.1	"	50.0	0.00	32.2	15-138	
4-Methyl-2-pentanone	8.60	"	50.0	0.00	17.2	10-166	
Acetone	12.2	"	50.0	0.00	24.3	10-196	
Acrolein	3.82	"	50.0	0.00	7.64	10-192	Low Bias
Acrylonitrile	8.82	"	50.0	0.00	17.6	13-161	
Benzene	26.4	"	50.0	0.00	52.9	43-139	
Bromobenzene	16.0	"	50.0	0.00	32.1	23-142	
Bromochloromethane	24.5	"	50.0	0.00	49.0	38-145	
Bromodichloromethane	23.1	"	50.0	0.00	46.2	38-147	
Bromoform	14.1	"	50.0	0.00	28.2	29-156	Low Bias
Bromomethane	12.5	"	50.0	0.00	24.9	10-166	
Carbon disulfide	23.1	"	50.0	0.00	46.2	10-131	
Carbon tetrachloride	24.4	"	50.0	0.00	48.8	35-145	
Chlorobenzene	19.5	"	50.0	0.00	38.9	21-154	
Chloroethane	26.3	"	50.0	0.00	52.6	15-160	
Chloroform	27.7	"	50.0	0.00	55.4	47-142	
Chloromethane	22.2	"	50.0	0.00	44.5	10-159	
cis-1,2-Dichloroethylene	23.7	"	50.0	0.00	47.3	42-144	
cis-1,3-Dichloropropylene	15.1	"	50.0	0.00	30.2	18-159	
Cyclohexane	25.8	"	50.0	0.00	51.7	70-130	Low Bias
Dibromochloromethane	18.2	"	50.0	0.00	36.3	10-179	
Dibromomethane	23.7	"	50.0	0.00	47.4	47-143	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

Matrix Spike (BC22411-MS1)		*Source sample: 22C0658-01 (Matrix Spike)					Prepared: 03/16/2022 Analyzed: 03/17/2022				
Dichlorodifluoromethane	19.2		ug/L	50.0	0.00	38.4	10-145				
Ethyl Benzene	21.9		"	50.0	0.00	43.7	11-158				
Hexachlorobutadiene	7.64		"	50.0	0.00	15.3	10-158				
Isopropylbenzene	22.5		"	50.0	0.00	45.0	10-162				
Methyl acetate	4.73		"	50.0	0.00	9.46	10-149	Low Bias			
Methyl tert-butyl ether (MTBE)	32.9		"	50.0	0.00	65.9	42-152				
Methylcyclohexane	22.4		"	50.0	0.00	44.9	70-130	Low Bias			
Methylene chloride	35.6		"	50.0	0.00	71.3	28-151				
n-Butylbenzene	12.3		"	50.0	0.00	24.5	10-162				
n-Propylbenzene	19.1		"	50.0	0.00	38.2	10-155				
o-Xylene	21.2		"	50.0	0.00	42.4	10-158				
p- & m- Xylenes	42.9		"	100	0.00	42.9	10-156				
p-Isopropyltoluene	15.8		"	50.0	0.00	31.7	10-147				
sec-Butylbenzene	17.5		"	50.0	0.00	35.0	10-157				
Styrene	13.9		"	50.0	0.00	27.9	13-171				
tert-Butyl alcohol (TBA)	175		"	250	0.00	69.9	34-179				
tert-Butylbenzene	17.4		"	50.0	0.00	34.9	10-160				
Tetrachloroethylene	22.2		"	50.0	0.00	44.3	30-167				
Toluene	24.3		"	50.0	0.00	48.6	21-160				
trans-1,2-Dichloroethylene	25.2		"	50.0	0.00	50.3	29-153				
trans-1,3-Dichloropropylene	12.8		"	50.0	0.00	25.7	18-155				
Trichloroethylene	26.2		"	50.0	0.00	52.4	24-169				
Trichlorofluoromethane	24.2		"	50.0	0.00	48.4	35-142				
Vinyl acetate	14.0		"	50.0	0.00	28.1	10-119				
Vinyl Chloride	24.5		"	50.0	0.00	49.0	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.0		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	49.8		"	50.0		99.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.4		"	50.0		109	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

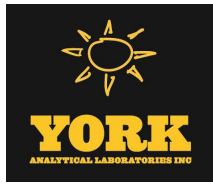
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BC22411 - EPA 5035A											
Matrix Spike Dup (BC22411-MSD1)	*Source sample: 22C0658-01 (Matrix Spike Dup)						Prepared: 03/16/2022 Analyzed: 03/17/2022				
1,1,1,2-Tetrachloroethane	21.2		ug/L	50.0	0.00	42.4	15-161		6.68	33	
1,1,1-Trichloroethane	30.6		"	50.0	0.00	61.3	42-145		9.79	30	
1,1,2,2-Tetrachloroethane	22.2		"	50.0	0.00	44.3	16-167		6.82	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	29.7		"	50.0	0.00	59.4	11-160		2.97	31	
1,1,2-Trichloroethane	25.6		"	50.0	0.00	51.2	44-145		5.46	40	
1,1-Dichloroethane	31.5		"	50.0	0.00	63.0	46-142		7.44	36	
1,1-Dichloroethylene	28.5		"	50.0	0.00	57.0	30-153		1.66	31	
1,1-Dichloropropylene	25.2		"	50.0	0.00	50.3	40-133		0.159	28	
1,2,3-Trichlorobenzene	4.58		"	50.0	0.00	9.16	10-157	Low Bias	35.7	47	
1,2,3-Trichloropropane	23.8		"	50.0	0.00	47.7	38-155		2.21	48	
1,2,4-Trichlorobenzene	4.71		"	50.0	0.00	9.42	10-151	Low Bias	39.1	52	
1,2,4-Trimethylbenzene	15.0		"	50.0	0.00	29.9	10-170		21.8	242	
1,2-Dibromo-3-chloropropane	15.0		"	50.0	0.00	29.9	36-138	Low Bias	1.33	54	
1,2-Dibromoethane	19.0		"	50.0	0.00	38.0	40-142	Low Bias	3.41	39	
1,2-Dichlorobenzene	9.33		"	50.0	0.00	18.7	10-147		24.1	52	
1,2-Dichloroethane	26.3		"	50.0	0.00	52.6	48-133		4.12	32	
1,2-Dichloropropane	30.1		"	50.0	0.00	60.2	47-141		6.87	37	
1,3,5-Trimethylbenzene	15.4		"	50.0	0.00	30.9	10-150		20.7	62	
1,3-Dichlorobenzene	9.57		"	50.0	0.00	19.1	10-144		29.5	51	
1,3-Dichloropropane	23.5		"	50.0	0.00	47.0	43-142		1.80	36	
1,4-Dichlorobenzene	8.43		"	50.0	0.00	16.9	10-160		33.2	52	
1,4-Dioxane	863		"	1050	0.00	82.2	10-191		11.3	196	
2,2-Dichloropropane	26.2		"	50.0	0.00	52.3	38-130		8.11	31	
2-Butanone	3.44		"	50.0	0.00	6.88	10-189	Low Bias	75.2	67	Non-dir.
2-Chlorotoluene	15.3		"	50.0	0.00	30.5	14-144		16.8	49	
2-Hexanone	0.00		"	50.0	0.00		10-181	Low Bias		60	
4-Chlorotoluene	12.6		"	50.0	0.00	25.2	15-138		24.5	39	
4-Methyl-2-pentanone	6.11		"	50.0	0.00	12.2	10-166		33.9	47	
Acetone	7.02		"	50.0	0.00	14.0	10-196		53.5	150	
Acrolein	3.66		"	50.0	0.00	7.32	10-192	Low Bias	4.28	128	
Acrylonitrile	6.50		"	50.0	0.00	13.0	13-161		30.3	48	
Benzene	27.2		"	50.0	0.00	54.3	43-139		2.69	64	
Bromobenzene	13.4		"	50.0	0.00	26.7	23-142		18.3	44	
Bromochloromethane	26.2		"	50.0	0.00	52.5	38-145		6.94	30	
Bromodichloromethane	24.8		"	50.0	0.00	49.6	38-147		6.97	37	
Bromoform	15.0		"	50.0	0.00	30.0	29-156		6.19	51	
Bromomethane	9.41		"	50.0	0.00	18.8	10-166		28.0	42	
Carbon disulfide	21.4		"	50.0	0.00	42.8	10-131		7.55	36	
Carbon tetrachloride	27.8		"	50.0	0.00	55.6	35-145		12.9	31	
Chlorobenzene	16.9		"	50.0	0.00	33.8	21-154		14.2	32	
Chloroethane	30.6		"	50.0	0.00	61.1	15-160		15.0	40	
Chloroform	29.4		"	50.0	0.00	58.7	47-142		5.85	29	
Chloromethane	24.3		"	50.0	0.00	48.6	10-159		8.98	31	
cis-1,2-Dichloroethylene	24.2		"	50.0	0.00	48.4	42-144		2.30	30	
cis-1,3-Dichloropropylene	13.0		"	50.0	0.00	26.0	18-159		14.7	39	
Cyclohexane	26.6		"	50.0	0.00	53.1	70-130	Low Bias	2.75	30	
Dibromochloromethane	20.0		"	50.0	0.00	40.1	10-179		9.95	41	
Dibromomethane	24.4		"	50.0	0.00	48.8	47-143		2.87	41	
Dichlorodifluoromethane	19.7		"	50.0	0.00	39.5	10-145		2.83	34	
Ethyl Benzene	20.7		"	50.0	0.00	41.4	11-158		5.45	42	
Hexachlorobutadiene	5.44		"	50.0	0.00	10.9	10-158		33.6	45	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22411 - EPA 5035A											
Matrix Spike Dup (BC22411-MSD1)	*Source sample: 22C0658-01 (Matrix Spike Dup)						Prepared: 03/16/2022 Analyzed: 03/17/2022				
Isopropylbenzene	21.6		ug/L	50.0	0.00	43.2	10-162		3.94	57	
Methyl acetate	0.00		"	50.0	0.00		10-149	Low Bias	200	64	Non-dir.
Methyl tert-butyl ether (MTBE)	35.2		"	50.0	0.00	70.4	42-152		6.69	47	
Methylcyclohexane	21.6		"	50.0	0.00	43.1	70-130	Low Bias	4.00	30	
Methylene chloride	32.0		"	50.0	0.00	64.1	28-151		10.7	49	
n-Butylbenzene	8.80		"	50.0	0.00	17.6	10-162		32.9	96	
n-Propylbenzene	16.9		"	50.0	0.00	33.7	10-155		12.6	56	
o-Xylene	19.6		"	50.0	0.00	39.3	10-158		7.69	51	
p- & m- Xylenes	38.7		"	100	0.00	38.7	10-156		10.2	47	
p-Isopropyltoluene	11.9		"	50.0	0.00	23.9	10-147		28.1	60	
sec-Butylbenzene	15.3		"	50.0	0.00	30.6	10-157		13.3	56	
Styrene	10.2		"	50.0	0.00	20.4	13-171		30.9	39	
tert-Butyl alcohol (TBA)	204		"	250	0.00	81.5	34-179		15.3	35	
tert-Butylbenzene	16.0		"	50.0	0.00	32.0	10-160		8.43	79	
Tetrachloroethylene	22.4		"	50.0	0.00	44.9	30-167		1.30	33	
Toluene	23.5		"	50.0	0.00	47.0	21-160		3.39	50	
trans-1,2-Dichloroethylene	24.2		"	50.0	0.00	48.3	29-153		4.06	30	
trans-1,3-Dichloropropylene	11.4		"	50.0	0.00	22.8	18-155		12.1	30	
Trichloroethylene	24.7		"	50.0	0.00	49.3	24-169		6.09	30	
Trichlorofluoromethane	27.8		"	50.0	0.00	55.6	35-142		14.0	30	
Vinyl acetate	15.2		"	50.0	0.00	30.4	10-119		7.80	82	
Vinyl Chloride	26.8		"	50.0	0.00	53.7	12-160		9.03	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	50.7		"	50.0		101	77-125				
Surrogate: SURR: Toluene-d8	49.3		"	50.0		98.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.9		"	50.0		110	76-130				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BC22435 - % Solids Prep

Duplicate (BC22435-DUP1)		*Source sample: 22C0596-06 (SB-001 (0-2))					Prepared & Analyzed: 03/17/2022				
% Solids	76.7	0.100	%		75.5			1.52	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C0596-01	Equipment Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C0596-02	SB-004 (0-2)	40mL Vial with Stir Bar-Cool 4° C
22C0596-03	SB-003 (0-2)	40mL Vial with Stir Bar-Cool 4° C
22C0596-04	DUP001	40mL Vial with Stir Bar-Cool 4° C
22C0596-05	SB-002 (0-2)	40mL Vial with Stir Bar-Cool 4° C
22C0596-06	SB-001 (0-2)	40mL Vial with Stir Bar-Cool 4° C
22C0596-07	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.



If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



YORK
ANALYTICAL LABORATORIES INC.

Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.

22C0546

120 Research Drive Stratford, CT 06615

132-02 89th Ave Queens, NY 11418

clientservices@yorklab.com

www.yorklab.com

800-306-YORK 800-306-9675

Page

1 of 1

YOUR Information

Company: Fluor
Address: 630 Johnson Ave., St. 7
Babylon, NY 11710
Phone: (631) 585-0553
Contact: Michael Gell
E-mail: michael.gell@fluor.com

Report To:

Company: "same"
Address: "same"
Phone: "same"
Contact: "same"
E-mail: "same"

Invoice To:

Company: "same"
Address: "same"
Phone: "same"
Contact: "same"
E-mail: "same"

YOUR Project Number

7542101

YOUR Project Name

434 Riverdale Ave.

Yonkers

YOUR PO#: 1099549

Turn-Around Time

RUSH - Next Day
RUSH - Two Day
RUSH - Three Day
RUSH - Four Day
Standard (5-7 Day) ☒

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

CT RCP
CT RCP DQA/DUE
NJDEP Reduced Deliverables
NJDEP SRP HazSite
Other: NJDKQP

Report / EDD Type (circle selections)

☒ Summary Report
☐ QA Report
☐ NY ASP A Package
☒ NY ASP B Package
☐ Other:

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil
Other:

Samples From

New York
New Jersey
Connecticut
Pennsylvania
Other:

Sample Matrix

GW
S
S
S
S
S
GW

Sample Identification

Equipment Bank
SB-004 (0-2)
SB-003 (0-2)
DUP001
SB-2 (0-2)
SB-1 (0-2)
TTP BANK

Analysis Requested

TCL volatiles (8260)
TCL volatiles (8260)
TCL volatiles (8260)
TCL volatiles (8260)
TCL volatiles (8260)
TCL volatiles (8260)

Container Description

Comments:

please use SB-002/001 for SB-1/SB-2 to enhance consistency w/ SB-003 signature.

Preservation: (check all that apply)

HCl ☐ MeOH ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐
ZnAc ☐ Ascorbic Acid ☐ Other:

Special Instruction

Field Filtered
Lab to Filter

Samples Relinquished by / Company

Date/Time

1. Samples Received by / Company

Date/Time

2. Samples Relinquished by / Company

Date/Time

Samples Received by / Company

Date/Time

3. Samples Relinquished by / Company

Date/Time

3. Samples Received by / Company

Date/Time

Samples Relinquished by / Company

Date/Time

4. Samples Received by / Company

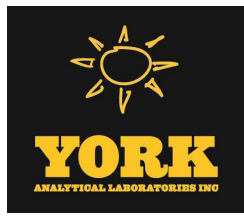
Date/Time

Samples Received in LAB by

Date/Time

Temperature

3/19/22 1945 1.0 Degrees C



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Avenue, Suite 7

Bohemia NY, 11716

Attention: Michael Gaul

Report Date: 03/18/2022

Client Project ID: FAY2101 434 Riverdale Ave., Yonkers

York Project (SDG) No.: 22C0658



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/18/2022
Client Project ID: FAY2101 434 Riverdale Ave., Yonkers
York Project (SDG) No.: 22C0658

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia NY, 11716
Attention: Michael Gaul

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 10, 2022 and listed below. The project was identified as your project: **FAY2101 434 Riverdale Ave., Yonkers.**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
22C0658-01	SB-005 (0-2)	Soil	03/10/2022	03/10/2022
22C0658-02	SB-006 (0-2)	Soil	03/10/2022	03/10/2022
22C0658-03	SB-007 (0-2)	Soil	03/10/2022	03/10/2022
22C0658-04	Equipment Blank	Water	03/10/2022	03/10/2022
22C0658-05	Trip Blank	Water	03/10/2022	03/10/2022

General Notes for York Project (SDG) No.: 22C0658

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

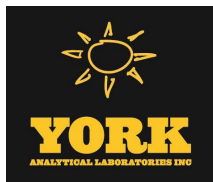
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 03/18/2022





Sample Information

Client Sample ID: SB-005 (0-2)

York Sample ID: 22C0658-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 8:55 am

03/10/2022

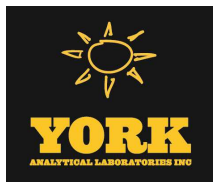
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:58	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:58	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC



Sample Information

Client Sample ID: SB-005 (0-2)

York Sample ID: 22C0658-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 8:55 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.062	0.12	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:58	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC



Sample Information

Client Sample ID: SB-005 (0-2)

York Sample ID: 22C0658-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 8:55 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC



Sample Information

Client Sample ID: SB-005 (0-2)

York Sample ID: 22C0658-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 8:55 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 11:58	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0094	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 11:58	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.7 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	81.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/17/2022 16:30	03/17/2022 16:31	JTG



Sample Information

Client Sample ID: SB-006 (0-2)

York Sample ID: 22C0658-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 10:25 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 12:24	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 12:24	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC



Sample Information

Client Sample ID: SB-006 (0-2)

York Sample ID: 22C0658-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 10:25 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 12:24	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC



Sample Information

Client Sample ID: SB-006 (0-2)

York Sample ID: 22C0658-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 10:25 am

03/10/2022

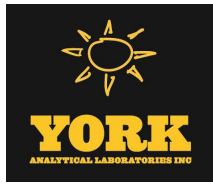
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-09-2	Methylene chloride	0.0069	J	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC



Sample Information

Client Sample ID: SB-006 (0-2)

York Sample ID: 22C0658-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 10:25 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:24	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 12:24	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.2 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/17/2022 16:30	03/17/2022 16:31	JTG



Sample Information

Client Sample ID: SB-007 (0-2)

York Sample ID: 22C0658-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 11:35 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 12:50	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 12:50	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC



Sample Information

Client Sample ID: SB-007 (0-2)

York Sample ID: 22C0658-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 11:35 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.096	0.19	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 12:50	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
67-64-1	Acetone	0.016	CCV-E, J	mg/kg dry	0.0096	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC



Sample Information

Client Sample ID: SB-007 (0-2)

York Sample ID: 22C0658-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 11:35 am

03/10/2022

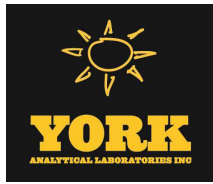
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC



Sample Information

Client Sample ID: SB-007 (0-2)

York Sample ID: 22C0658-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Soil

March 10, 2022 11:35 am

03/10/2022

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	0.014	QL-02	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 13:19	03/17/2022 12:50	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.014	0.029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 13:19	03/17/2022 12:50	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %	76-130								

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/17/2022 16:30	03/17/2022 16:31	JTG



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 22C0658-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Water

March 10, 2022 12:50 pm

03/10/2022

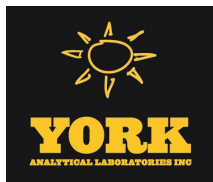
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 22C0658-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Water

March 10, 2022 12:50 pm

03/10/2022

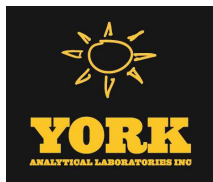
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 22C0658-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Water

March 10, 2022 12:50 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/16/2022 12:00	03/17/2022 08:45	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/16/2022 12:00	03/17/2022 08:45	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG



Sample Information

Client Sample ID: Equipment Blank

York Sample ID: 22C0658-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Water

March 10, 2022 12:50 pm

03/10/2022

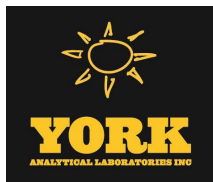
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 08:45	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 12:00	03/17/2022 08:45	JTG
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	106 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	123 %	S-01	79-122							



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22C0658-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Water

March 10, 2022 2:25 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
78-93-3	2-Butanone	2.72	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22C0658-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Water

March 10, 2022 2:25 pm

03/10/2022

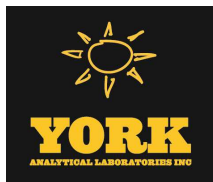
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	0.610		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
67-64-1	Acetone	3.44		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22C0658-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Water

March 10, 2022 2:25 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/16/2022 12:00	03/17/2022 06:02	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/16/2022 12:00	03/17/2022 06:02	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 22C0658-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C0658

FAY2101 434 Riverdale Ave., Yonkers

Water

March 10, 2022 2:25 pm

03/10/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2022 12:00	03/17/2022 06:02	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2022 12:00	03/17/2022 06:02	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	79-122								



Analytical Batch Summary

Batch ID: BC22411 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C0658-01	SB-005 (0-2)	03/16/22
22C0658-02	SB-006 (0-2)	03/16/22
22C0658-03	SB-007 (0-2)	03/16/22
BC22411-BLK1	Blank	03/16/22
BC22411-BLK2	Blank	03/16/22
BC22411-BS1	LCS	03/16/22
BC22411-BSD1	LCS Dup	03/16/22
BC22411-MS1	Matrix Spike	03/16/22
BC22411-MSD1	Matrix Spike Dup	03/16/22

Batch ID: BC22435 **Preparation Method:** % Solids Prep **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C0658-01	SB-005 (0-2)	03/17/22
22C0658-02	SB-006 (0-2)	03/17/22
22C0658-03	SB-007 (0-2)	03/17/22
BC22435-DUP1	Duplicate	03/17/22

Batch ID: BC22449 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C0658-04	Equipment Blank	03/16/22
22C0658-05	Trip Blank	03/16/22
BC22449-BLK1	Blank	03/16/22
BC22449-BS1	LCS	03/16/22
BC22449-BSD1	LCS Dup	03/16/22



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

Blank (BC22411-BLK1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

Blank (BC22411-BLK1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

Hexachlorobutadiene	ND	0.0050	mg/kg wet
Isopropylbenzene	ND	0.0050	"
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl acetate	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: SURR: 1,2-Dichloroethane-d4	49.5	ug/L	50.0	99.0	77-125
Surrogate: SURR: Toluene-d8	49.0	"	50.0	98.1	85-120
Surrogate: SURR: p-Bromofluorobenzene	54.9	"	50.0	110	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

Blank (BC22411-BLK2)

Prepared: 03/16/2022 Analyzed: 03/17/2022

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet
1,1,1-Trichloroethane	ND	0.0050	"
1,1,2,2-Tetrachloroethane	ND	0.0050	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"
1,1,2-Trichloroethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,1-Dichloroethylene	ND	0.0050	"
1,1-Dichloropropylene	ND	0.0050	"
1,2,3-Trichlorobenzene	ND	0.0050	"
1,2,3-Trichloropropane	ND	0.0050	"
1,2,4-Trichlorobenzene	ND	0.0050	"
1,2,4-Trimethylbenzene	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3,5-Trimethylbenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
1,4-Dioxane	ND	0.10	"
2,2-Dichloropropane	ND	0.0050	"
2-Butanone	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
2-Hexanone	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
4-Methyl-2-pentanone	ND	0.0050	"
Acetone	ND	0.010	"
Acrolein	ND	0.010	"
Acrylonitrile	ND	0.0050	"
Benzene	ND	0.0050	"
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
Carbon disulfide	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
cis-1,2-Dichloroethylene	ND	0.0050	"
cis-1,3-Dichloropropylene	ND	0.0050	"
Cyclohexane	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
Dibromomethane	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
Ethyl Benzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

Blank (BC22411-BLK2)

Prepared: 03/16/2022 Analyzed: 03/17/2022

Isopropylbenzene	ND	0.0050	mg/kg wet
Methyl acetate	ND	0.0050	"
Methyl tert-butyl ether (MTBE)	ND	0.0050	"
Methylcyclohexane	ND	0.0050	"
Methylene chloride	ND	0.010	"
n-Butylbenzene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"
o-Xylene	ND	0.0050	"
p- & m- Xylenes	ND	0.010	"
p-Isopropyltoluene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
Styrene	ND	0.0050	"
tert-Butyl alcohol (TBA)	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Tetrachloroethylene	ND	0.0050	"
Toluene	ND	0.0050	"
trans-1,2-Dichloroethylene	ND	0.0050	"
trans-1,3-Dichloropropylene	ND	0.0050	"
Trichloroethylene	ND	0.0050	"
Trichlorofluoromethane	ND	0.0050	"
Vinyl acetate	ND	0.0050	"
Vinyl Chloride	ND	0.0050	"
Xylenes, Total	ND	0.015	"

Surrogate: SURR: 1,2-Dichloroethane-d4

49.7

ug/L

50.0

99.3

77-125

Surrogate: SURR: Toluene-d8

49.5

"

50.0

99.0

85-120

Surrogate: SURR: p-Bromofluorobenzene

53.2

"

50.0

106

76-130

LCS (BC22411-BS1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

1,1,1,2-Tetrachloroethane	45.0	ug/L	50.0	89.9	75-129
1,1,1-Trichloroethane	43.2	"	50.0	86.4	71-137
1,1,2,2-Tetrachloroethane	46.9	"	50.0	93.8	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.3	"	50.0	82.7	58-146
1,1,2-Trichloroethane	45.2	"	50.0	90.3	83-123
1,1-Dichloroethane	42.1	"	50.0	84.3	75-130
1,1-Dichloroethylene	40.5	"	50.0	81.1	64-137
1,1-Dichloropropylene	39.8	"	50.0	79.5	77-127
1,2,3-Trichlorobenzene	42.3	"	50.0	84.6	81-140
1,2,3-Trichloropropane	48.3	"	50.0	96.5	81-126
1,2,4-Trichlorobenzene	40.4	"	50.0	80.8	80-141
1,2,4-Trimethylbenzene	44.9	"	50.0	89.8	84-125
1,2-Dibromo-3-chloropropane	48.1	"	50.0	96.3	74-142
1,2-Dibromoethane	46.2	"	50.0	92.3	86-123
1,2-Dichlorobenzene	44.7	"	50.0	89.3	85-122
1,2-Dichloroethane	43.6	"	50.0	87.1	71-133
1,2-Dichloropropane	46.5	"	50.0	92.9	81-122
1,3,5-Trimethylbenzene	44.0	"	50.0	87.9	82-126
1,3-Dichlorobenzene	43.3	"	50.0	86.6	84-124
1,3-Dichloropropane	45.3	"	50.0	90.7	83-123
1,4-Dichlorobenzene	42.8	"	50.0	85.6	84-124
1,4-Dioxane	1010	"	1050	95.9	10-228
2,2-Dichloropropane	40.8	"	50.0	81.6	67-136



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22411 - EPA 5035A											
LCS (BC22411-BS1)						Prepared: 03/16/2022 Analyzed: 03/17/2022					
2-Butanone	40.9		ug/L	50.0		81.7	58-147				
2-Chlorotoluene	44.8		"	50.0		89.6	78-127				
2-Hexanone	44.2		"	50.0		88.3	70-139				
4-Chlorotoluene	44.5		"	50.0		89.0	79-125				
4-Methyl-2-pentanone	35.3		"	50.0		70.7	72-132	Low Bias			
Acetone	29.4		"	50.0		58.7	36-155				
Acrolein	9.43		"	50.0		18.9	10-238				
Acrylonitrile	42.8		"	50.0		85.7	66-141				
Benzene	43.6		"	50.0		87.2	77-127				
Bromobenzene	45.7		"	50.0		91.5	77-129				
Bromochloromethane	43.4		"	50.0		86.8	74-129				
Bromodichloromethane	45.2		"	50.0		90.4	81-124				
Bromoform	47.9		"	50.0		95.8	80-136				
Bromomethane	35.0		"	50.0		69.9	32-177				
Carbon disulfide	41.5		"	50.0		82.9	10-136				
Carbon tetrachloride	42.4		"	50.0		84.8	66-143				
Chlorobenzene	46.2		"	50.0		92.5	86-120				
Chloroethane	39.0		"	50.0		77.9	51-142				
Chloroform	43.2		"	50.0		86.4	76-131				
Chloromethane	34.2		"	50.0		68.4	49-132				
cis-1,2-Dichloroethylene	41.4		"	50.0		82.9	74-132				
cis-1,3-Dichloropropylene	41.6		"	50.0		83.1	81-129				
Cyclohexane	41.4		"	50.0		82.8	70-130				
Dibromochloromethane	45.7		"	50.0		91.4	10-200				
Dibromomethane	44.6		"	50.0		89.3	83-124				
Dichlorodifluoromethane	24.4		"	50.0		48.8	28-158				
Ethyl Benzene	44.6		"	50.0		89.2	84-125				
Hexachlorobutadiene	42.8		"	50.0		85.7	83-133				
Isopropylbenzene	46.6		"	50.0		93.1	81-127				
Methyl acetate	44.0		"	50.0		88.0	41-143				
Methyl tert-butyl ether (MTBE)	46.2		"	50.0		92.4	74-131				
Methylcyclohexane	42.7		"	50.0		85.4	70-130				
Methylene chloride	42.2		"	50.0		84.5	57-141				
n-Butylbenzene	40.6		"	50.0		81.2	80-130				
n-Propylbenzene	44.0		"	50.0		87.9	74-136				
o-Xylene	45.2		"	50.0		90.5	83-123				
p- & m- Xylenes	88.9		"	100		88.9	82-128				
p-Isopropyltoluene	43.9		"	50.0		87.8	85-125				
sec-Butylbenzene	44.4		"	50.0		88.9	83-125				
Styrene	43.6		"	50.0		87.1	86-126				
tert-Butyl alcohol (TBA)	290		"	250		116	70-130				
tert-Butylbenzene	39.7		"	50.0		79.4	80-127	Low Bias			
Tetrachloroethylene	39.2		"	50.0		78.4	80-129	Low Bias			
Toluene	44.0		"	50.0		88.0	85-121				
trans-1,2-Dichloroethylene	41.9		"	50.0		83.7	72-132				
trans-1,3-Dichloropropylene	42.8		"	50.0		85.7	78-132				
Trichloroethylene	44.9		"	50.0		89.9	84-123				
Trichlorofluoromethane	36.5		"	50.0		73.0	62-140				
Vinyl acetate	38.6		"	50.0		77.1	67-136				
Vinyl Chloride	35.2		"	50.0		70.5	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	48.8		"	50.0		97.6	77-125				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22411 - EPA 5035A											
LCS (BC22411-BS1)						Prepared: 03/16/2022 Analyzed: 03/17/2022					
Surrogate: SURR: Toluene-d8	49.4		ug/L	50.0		98.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	52.3		"	50.0		105	76-130				
LCS Dup (BC22411-BSD1)						Prepared: 03/16/2022 Analyzed: 03/17/2022					
1,1,1,2-Tetrachloroethane	47.5		ug/L	50.0		95.1	75-129		5.56	30	
1,1,1-Trichloroethane	45.4		"	50.0		90.8	71-137		5.01	30	
1,1,2,2-Tetrachloroethane	48.4		"	50.0		96.9	79-129		3.25	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.3		"	50.0		86.7	58-146		4.70	30	
1,1,2-Trichloroethane	47.8		"	50.0		95.7	83-123		5.74	30	
1,1-Dichloroethane	45.4		"	50.0		90.8	75-130		7.49	30	
1,1-Dichloroethylene	42.2		"	50.0		84.3	64-137		3.89	30	
1,1-Dichloropropylene	42.7		"	50.0		85.3	77-127		7.01	30	
1,2,3-Trichlorobenzene	46.6		"	50.0		93.2	81-140		9.61	30	
1,2,3-Trichloropropane	49.0		"	50.0		98.0	81-126		1.52	30	
1,2,4-Trichlorobenzene	45.2		"	50.0		90.5	80-141		11.4	30	
1,2,4-Trimethylbenzene	48.2		"	50.0		96.4	84-125		7.13	30	
1,2-Dibromo-3-chloropropane	50.2		"	50.0		100	74-142		4.15	30	
1,2-Dibromoethane	48.5		"	50.0		97.0	86-123		4.95	30	
1,2-Dichlorobenzene	47.7		"	50.0		95.4	85-122		6.56	30	
1,2-Dichloroethane	45.8		"	50.0		91.6	71-133		4.97	30	
1,2-Dichloropropane	49.0		"	50.0		98.0	81-122		5.32	30	
1,3,5-Trimethylbenzene	46.9		"	50.0		93.9	82-126		6.58	30	
1,3-Dichlorobenzene	47.5		"	50.0		95.0	84-124		9.27	30	
1,3-Dichloropropane	46.8		"	50.0		93.6	83-123		3.17	30	
1,4-Dichlorobenzene	46.8		"	50.0		93.6	84-124		8.97	30	
1,4-Dioxane	1010		"	1050		96.6	10-228		0.733	30	
2,2-Dichloropropane	44.3		"	50.0		88.5	67-136		8.11	30	
2-Butanone	42.9		"	50.0		85.8	58-147		4.89	30	
2-Chlorotoluene	47.9		"	50.0		95.7	78-127		6.58	30	
2-Hexanone	45.8		"	50.0		91.5	70-139		3.51	30	
4-Chlorotoluene	47.8		"	50.0		95.6	79-125		7.09	30	
4-Methyl-2-pentanone	36.2		"	50.0		72.4	72-132		2.43	30	
Acetone	31.3		"	50.0		62.6	36-155		6.36	30	
Acrolein	10.3		"	50.0		20.7	10-238		9.11	30	
Acrylonitrile	45.5		"	50.0		91.0	66-141		6.07	30	
Benzene	46.2		"	50.0		92.4	77-127		5.81	30	
Bromobenzene	48.2		"	50.0		96.5	77-129		5.32	30	
Bromochloromethane	45.5		"	50.0		91.1	74-129		4.81	30	
Bromodichloromethane	47.3		"	50.0		94.6	81-124		4.48	30	
Bromoform	49.3		"	50.0		98.7	80-136		2.92	30	
Bromomethane	37.2		"	50.0		74.5	32-177		6.34	30	
Carbon disulfide	44.2		"	50.0		88.3	10-136		6.28	30	
Carbon tetrachloride	45.5		"	50.0		91.1	66-143		7.09	30	
Chlorobenzene	48.4		"	50.0		96.7	86-120		4.46	30	
Chloroethane	40.4		"	50.0		80.9	51-142		3.68	30	
Chloroform	46.5		"	50.0		92.9	76-131		7.29	30	
Chloromethane	36.3		"	50.0		72.6	49-132		5.93	30	
cis-1,2-Dichloroethylene	44.8		"	50.0		89.6	74-132		7.77	30	
cis-1,3-Dichloropropylene	44.6		"	50.0		89.1	81-129		6.99	30	
Cyclohexane	43.4		"	50.0		86.8	70-130		4.67	30	
Dibromochloromethane	47.8		"	50.0		95.5	10-200		4.41	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

LCS Dup (BC22411-BSDI)

Prepared: 03/16/2022 Analyzed: 03/17/2022

Dibromomethane	46.8		ug/L	50.0		93.7	83-124		4.83	30	
Dichlorodifluoromethane	25.6		"	50.0		51.1	28-158		4.60	30	
Ethyl Benzene	47.3		"	50.0		94.6	84-125		5.83	30	
Hexachlorobutadiene	46.4		"	50.0		92.7	83-133		7.92	30	
Isopropylbenzene	49.0		"	50.0		98.1	81-127		5.19	30	
Methyl acetate	45.3		"	50.0		90.7	41-143		2.95	30	
Methyl tert-butyl ether (MTBE)	48.3		"	50.0		96.6	74-131		4.49	30	
Methylcyclohexane	44.9		"	50.0		89.8	70-130		5.09	30	
Methylene chloride	45.7		"	50.0		91.4	57-141		7.89	30	
n-Butylbenzene	44.4		"	50.0		88.7	80-130		8.87	30	
n-Propylbenzene	46.7		"	50.0		93.4	74-136		6.02	30	
o-Xylene	48.3		"	50.0		96.6	83-123		6.54	30	
p- & m- Xylenes	95.1		"	100		95.1	82-128		6.69	30	
p-Isopropyltoluene	47.2		"	50.0		94.4	85-125		7.22	30	
sec-Butylbenzene	47.3		"	50.0		94.7	83-125		6.28	30	
Styrene	46.3		"	50.0		92.6	86-126		6.08	30	
tert-Butyl alcohol (TBA)	292		"	250		117	70-130		0.591	30	
tert-Butylbenzene	42.0		"	50.0		83.9	80-127		5.61	30	
Tetrachloroethylene	41.7		"	50.0		83.5	80-129		6.28	30	
Toluene	46.7		"	50.0		93.4	85-121		5.95	30	
trans-1,2-Dichloroethylene	44.8		"	50.0		89.6	72-132		6.74	30	
trans-1,3-Dichloropropylene	45.4		"	50.0		90.8	78-132		5.80	30	
Trichloroethylene	47.9		"	50.0		95.8	84-123		6.36	30	
Trichlorofluoromethane	38.9		"	50.0		77.8	62-140		6.31	30	
Vinyl acetate	41.4		"	50.0		82.9	67-136		7.15	30	
Vinyl Chloride	36.8		"	50.0		73.6	52-130		4.25	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	48.0		"	50.0		96.0	77-125				
Surrogate: SURR: Toluene-d8	49.5		"	50.0		99.0	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.4		"	50.0		103	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22411 - EPA 5035A											
Matrix Spike (BC22411-MS1)		*Source sample: 22C0658-01 (SB-005 (0-2))					Prepared: 03/16/2022 Analyzed: 03/17/2022				
1,1,1,2-Tetrachloroethane	19.8		ug/L	50.0	0.00	39.6	15-161				
1,1,1-Trichloroethane	27.8		"	50.0	0.00	55.6	42-145				
1,1,2,2-Tetrachloroethane	20.7		"	50.0	0.00	41.4	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	28.8		"	50.0	0.00	57.6	11-160				
1,1,2-Trichloroethane	24.2		"	50.0	0.00	48.5	44-145				
1,1-Dichloroethane	29.2		"	50.0	0.00	58.5	46-142				
1,1-Dichloroethylene	28.0		"	50.0	0.00	56.1	30-153				
1,1-Dichloropropylene	25.2		"	50.0	0.00	50.4	40-133				
1,2,3-Trichlorobenzene	6.57		"	50.0	0.00	13.1	10-157				
1,2,3-Trichloropropane	23.3		"	50.0	0.00	46.6	38-155				
1,2,4-Trichlorobenzene	7.00		"	50.0	0.00	14.0	10-151				
1,2,4-Trimethylbenzene	18.6		"	50.0	0.00	37.2	10-170				
1,2-Dibromo-3-chloropropane	15.2		"	50.0	0.00	30.3	36-138	Low Bias			
1,2-Dibromoethane	19.7		"	50.0	0.00	39.3	40-142	Low Bias			
1,2-Dichlorobenzene	11.9		"	50.0	0.00	23.8	10-147				
1,2-Dichloroethane	25.2		"	50.0	0.00	50.4	48-133				
1,2-Dichloropropane	28.1		"	50.0	0.00	56.2	47-141				
1,3,5-Trimethylbenzene	19.0		"	50.0	0.00	38.0	10-150				
1,3-Dichlorobenzene	12.9		"	50.0	0.00	25.8	10-144				
1,3-Dichloropropane	23.1		"	50.0	0.00	46.2	43-142				
1,4-Dichlorobenzene	11.8		"	50.0	0.00	23.6	10-160				
1,4-Dioxane	771		"	1050	0.00	73.4	10-191				
2,2-Dichloropropane	24.1		"	50.0	0.00	48.3	38-130				
2-Butanone	7.59		"	50.0	0.00	15.2	10-189				
2-Chlorotoluene	18.1		"	50.0	0.00	36.1	14-144				
2-Hexanone	0.00		"	50.0	0.00		10-181	Low Bias			
4-Chlorotoluene	16.1		"	50.0	0.00	32.2	15-138				
4-Methyl-2-pentanone	8.60		"	50.0	0.00	17.2	10-166				
Acetone	12.2		"	50.0	0.00	24.3	10-196				
Acrolein	3.82		"	50.0	0.00	7.64	10-192	Low Bias			
Acrylonitrile	8.82		"	50.0	0.00	17.6	13-161				
Benzene	26.4		"	50.0	0.00	52.9	43-139				
Bromobenzene	16.0		"	50.0	0.00	32.1	23-142				
Bromochloromethane	24.5		"	50.0	0.00	49.0	38-145				
Bromodichloromethane	23.1		"	50.0	0.00	46.2	38-147				
Bromoform	14.1		"	50.0	0.00	28.2	29-156	Low Bias			
Bromomethane	12.5		"	50.0	0.00	24.9	10-166				
Carbon disulfide	23.1		"	50.0	0.00	46.2	10-131				
Carbon tetrachloride	24.4		"	50.0	0.00	48.8	35-145				
Chlorobenzene	19.5		"	50.0	0.00	38.9	21-154				
Chloroethane	26.3		"	50.0	0.00	52.6	15-160				
Chloroform	27.7		"	50.0	0.00	55.4	47-142				
Chloromethane	22.2		"	50.0	0.00	44.5	10-159				
cis-1,2-Dichloroethylene	23.7		"	50.0	0.00	47.3	42-144				
cis-1,3-Dichloropropylene	15.1		"	50.0	0.00	30.2	18-159				
Cyclohexane	25.8		"	50.0	0.00	51.7	70-130	Low Bias			
Dibromochloromethane	18.2		"	50.0	0.00	36.3	10-179				
Dibromomethane	23.7		"	50.0	0.00	47.4	47-143				
Dichlorodifluoromethane	19.2		"	50.0	0.00	38.4	10-145				
Ethyl Benzene	21.9		"	50.0	0.00	43.7	11-158				
Hexachlorobutadiene	7.64		"	50.0	0.00	15.3	10-158				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22411 - EPA 5035A											
Matrix Spike (BC22411-MS1)	*Source sample: 22C0658-01 (SB-005 (0-2))						Prepared: 03/16/2022 Analyzed: 03/17/2022				
Isopropylbenzene	22.5		ug/L	50.0	0.00	45.0	10-162				
Methyl acetate	4.73		"	50.0	0.00	9.46	10-149	Low Bias			
Methyl tert-butyl ether (MTBE)	32.9		"	50.0	0.00	65.9	42-152				
Methylcyclohexane	22.4		"	50.0	0.00	44.9	70-130	Low Bias			
Methylene chloride	35.6		"	50.0	0.00	71.3	28-151				
n-Butylbenzene	12.3		"	50.0	0.00	24.5	10-162				
n-Propylbenzene	19.1		"	50.0	0.00	38.2	10-155				
o-Xylene	21.2		"	50.0	0.00	42.4	10-158				
p- & m- Xylenes	42.9		"	100	0.00	42.9	10-156				
p-Isopropyltoluene	15.8		"	50.0	0.00	31.7	10-147				
sec-Butylbenzene	17.5		"	50.0	0.00	35.0	10-157				
Styrene	13.9		"	50.0	0.00	27.9	13-171				
tert-Butyl alcohol (TBA)	175		"	250	0.00	69.9	34-179				
tert-Butylbenzene	17.4		"	50.0	0.00	34.9	10-160				
Tetrachloroethylene	22.2		"	50.0	0.00	44.3	30-167				
Toluene	24.3		"	50.0	0.00	48.6	21-160				
trans-1,2-Dichloroethylene	25.2		"	50.0	0.00	50.3	29-153				
trans-1,3-Dichloropropylene	12.8		"	50.0	0.00	25.7	18-155				
Trichloroethylene	26.2		"	50.0	0.00	52.4	24-169				
Trichlorofluoromethane	24.2		"	50.0	0.00	48.4	35-142				
Vinyl acetate	14.0		"	50.0	0.00	28.1	10-119				
Vinyl Chloride	24.5		"	50.0	0.00	49.0	12-160				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>51.0</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>49.8</i>		<i>"</i>	<i>50.0</i>		<i>99.7</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>54.4</i>		<i>"</i>	<i>50.0</i>		<i>109</i>	<i>76-130</i>				
Matrix Spike Dup (BC22411-MSD1)	*Source sample: 22C0658-01 (SB-005 (0-2))						Prepared: 03/16/2022 Analyzed: 03/17/2022				
1,1,1,2-Tetrachloroethane	21.2		ug/L	50.0	0.00	42.4	15-161		6.68	33	
1,1,1-Trichloroethane	30.6		"	50.0	0.00	61.3	42-145		9.79	30	
1,1,2,2-Tetrachloroethane	22.2		"	50.0	0.00	44.3	16-167		6.82	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	29.7		"	50.0	0.00	59.4	11-160		2.97	31	
1,1,2-Trichloroethane	25.6		"	50.0	0.00	51.2	44-145		5.46	40	
1,1-Dichloroethane	31.5		"	50.0	0.00	63.0	46-142		7.44	36	
1,1-Dichloroethylene	28.5		"	50.0	0.00	57.0	30-153		1.66	31	
1,1-Dichloropropylene	25.2		"	50.0	0.00	50.3	40-133		0.159	28	
1,2,3-Trichlorobenzene	4.58		"	50.0	0.00	9.16	10-157	Low Bias	35.7	47	
1,2,3-Trichloropropane	23.8		"	50.0	0.00	47.7	38-155		2.21	48	
1,2,4-Trichlorobenzene	4.71		"	50.0	0.00	9.42	10-151	Low Bias	39.1	52	
1,2,4-Trimethylbenzene	15.0		"	50.0	0.00	29.9	10-170		21.8	242	
1,2-Dibromo-3-chloropropane	15.0		"	50.0	0.00	29.9	36-138	Low Bias	1.33	54	
1,2-Dibromoethane	19.0		"	50.0	0.00	38.0	40-142	Low Bias	3.41	39	
1,2-Dichlorobenzene	9.33		"	50.0	0.00	18.7	10-147		24.1	52	
1,2-Dichloroethane	26.3		"	50.0	0.00	52.6	48-133		4.12	32	
1,2-Dichloropropane	30.1		"	50.0	0.00	60.2	47-141		6.87	37	
1,3,5-Trimethylbenzene	15.4		"	50.0	0.00	30.9	10-150		20.7	62	
1,3-Dichlorobenzene	9.57		"	50.0	0.00	19.1	10-144		29.5	51	
1,3-Dichloropropane	23.5		"	50.0	0.00	47.0	43-142		1.80	36	
1,4-Dichlorobenzene	8.43		"	50.0	0.00	16.9	10-160		33.2	52	
1,4-Dioxane	863		"	1050	0.00	82.2	10-191		11.3	196	
2,2-Dichloropropane	26.2		"	50.0	0.00	52.3	38-130		8.11	31	
2-Butanone	3.44		"	50.0	0.00	6.88	10-189	Low Bias	75.2	67	Non-dir.



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22411 - EPA 5035A											
Matrix Spike Dup (BC22411-MSD1)		*Source sample: 22C0658-01 (SB-005 (0-2))					Prepared: 03/16/2022 Analyzed: 03/17/2022				
2-Chlorotoluene	15.3		ug/L	50.0	0.00	30.5	14-144		16.8	49	
2-Hexanone	0.00		"	50.0	0.00		10-181	Low Bias		60	
4-Chlorotoluene	12.6		"	50.0	0.00	25.2	15-138		24.5	39	
4-Methyl-2-pentanone	6.11		"	50.0	0.00	12.2	10-166		33.9	47	
Acetone	7.02		"	50.0	0.00	14.0	10-196		53.5	150	
Acrolein	3.66		"	50.0	0.00	7.32	10-192	Low Bias	4.28	128	
Acrylonitrile	6.50		"	50.0	0.00	13.0	13-161		30.3	48	
Benzene	27.2		"	50.0	0.00	54.3	43-139		2.69	64	
Bromobenzene	13.4		"	50.0	0.00	26.7	23-142		18.3	44	
Bromochloromethane	26.2		"	50.0	0.00	52.5	38-145		6.94	30	
Bromodichloromethane	24.8		"	50.0	0.00	49.6	38-147		6.97	37	
Bromoform	15.0		"	50.0	0.00	30.0	29-156		6.19	51	
Bromomethane	9.41		"	50.0	0.00	18.8	10-166		28.0	42	
Carbon disulfide	21.4		"	50.0	0.00	42.8	10-131		7.55	36	
Carbon tetrachloride	27.8		"	50.0	0.00	55.6	35-145		12.9	31	
Chlorobenzene	16.9		"	50.0	0.00	33.8	21-154		14.2	32	
Chloroethane	30.6		"	50.0	0.00	61.1	15-160		15.0	40	
Chloroform	29.4		"	50.0	0.00	58.7	47-142		5.85	29	
Chloromethane	24.3		"	50.0	0.00	48.6	10-159		8.98	31	
cis-1,2-Dichloroethylene	24.2		"	50.0	0.00	48.4	42-144		2.30	30	
cis-1,3-Dichloropropylene	13.0		"	50.0	0.00	26.0	18-159		14.7	39	
Cyclohexane	26.6		"	50.0	0.00	53.1	70-130	Low Bias	2.75	30	
Dibromochloromethane	20.0		"	50.0	0.00	40.1	10-179		9.95	41	
Dibromomethane	24.4		"	50.0	0.00	48.8	47-143		2.87	41	
Dichlorodifluoromethane	19.7		"	50.0	0.00	39.5	10-145		2.83	34	
Ethyl Benzene	20.7		"	50.0	0.00	41.4	11-158		5.45	42	
Hexachlorobutadiene	5.44		"	50.0	0.00	10.9	10-158		33.6	45	
Isopropylbenzene	21.6		"	50.0	0.00	43.2	10-162		3.94	57	
Methyl acetate	0.00		"	50.0	0.00		10-149	Low Bias	200	64	Non-dir.
Methyl tert-butyl ether (MTBE)	35.2		"	50.0	0.00	70.4	42-152		6.69	47	
Methylcyclohexane	21.6		"	50.0	0.00	43.1	70-130	Low Bias	4.00	30	
Methylene chloride	32.0		"	50.0	0.00	64.1	28-151		10.7	49	
n-Butylbenzene	8.80		"	50.0	0.00	17.6	10-162		32.9	96	
n-Propylbenzene	16.9		"	50.0	0.00	33.7	10-155		12.6	56	
o-Xylene	19.6		"	50.0	0.00	39.3	10-158		7.69	51	
p- & m- Xylenes	38.7		"	100	0.00	38.7	10-156		10.2	47	
p-Isopropyltoluene	11.9		"	50.0	0.00	23.9	10-147		28.1	60	
sec-Butylbenzene	15.3		"	50.0	0.00	30.6	10-157		13.3	56	
Styrene	10.2		"	50.0	0.00	20.4	13-171		30.9	39	
tert-Butyl alcohol (TBA)	204		"	250	0.00	81.5	34-179		15.3	35	
tert-Butylbenzene	16.0		"	50.0	0.00	32.0	10-160		8.43	79	
Tetrachloroethylene	22.4		"	50.0	0.00	44.9	30-167		1.30	33	
Toluene	23.5		"	50.0	0.00	47.0	21-160		3.39	50	
trans-1,2-Dichloroethylene	24.2		"	50.0	0.00	48.3	29-153		4.06	30	
trans-1,3-Dichloropropylene	11.4		"	50.0	0.00	22.8	18-155		12.1	30	
Trichloroethylene	24.7		"	50.0	0.00	49.3	24-169		6.09	30	
Trichlorofluoromethane	27.8		"	50.0	0.00	55.6	35-142		14.0	30	
Vinyl acetate	15.2		"	50.0	0.00	30.4	10-119		7.80	82	
Vinyl Chloride	26.8		"	50.0	0.00	53.7	12-160		9.03	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	50.7		"	50.0		101	77-125				
Surrogate: SURR: Toluene-d8	49.3		"	50.0		98.7	85-120				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22411 - EPA 5035A

Matrix Spike Dup (BC22411-MSD1) *Source sample: 22C0658-01 (SB-005 (0-2)) Prepared: 03/16/2022 Analyzed: 03/17/2022

Surrogate: *SURR: p-Bromofluorobenzene* 54.9 ug/L 50.0 110 76-130

Batch BC22449 - EPA 5030B

Blank (BC22449-BLK1) Prepared: 03/16/2022 Analyzed: 03/17/2022

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2-Butanone	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22449 - EPA 5030B

Blank (BC22449-BLK1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

Isopropylbenzene	ND	0.500	ug/L
Methyl acetate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"
Methylene chloride	ND	2.00	"
Naphthalene	ND	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
p-Diethylbenzene	ND	0.500	"
p-Ethyltoluene	ND	0.500	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Butyl alcohol (TBA)	ND	1.00	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: SURR: 1,2-Dichloroethane-d4	10.6	"	10.0	106	69-130
Surrogate: SURR: Toluene-d8	10.4	"	10.0	104	81-117
Surrogate: SURR: p-Bromofluorobenzene	10.6	"	10.0	106	79-122



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22449 - EPA 5030B											
LCS (BC22449-BS1)						Prepared: 03/16/2022 Analyzed: 03/17/2022					
1,1,1,2-Tetrachloroethane	9.25		ug/L	10.0		92.5	82-126				
1,1,1-Trichloroethane	8.47		"	10.0		84.7	78-136				
1,1,2,2-Tetrachloroethane	9.08		"	10.0		90.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.24		"	10.0		82.4	54-165				
1,1,2-Trichloroethane	8.74		"	10.0		87.4	82-123				
1,1-Dichloroethane	8.91		"	10.0		89.1	82-129				
1,1-Dichloroethylene	9.01		"	10.0		90.1	68-138				
1,2,3-Trichlorobenzene	8.46		"	10.0		84.6	76-136				
1,2,3-Trichloropropane	8.97		"	10.0		89.7	77-128				
1,2,4-Trichlorobenzene	8.52		"	10.0		85.2	76-137				
1,2,4-Trimethylbenzene	9.30		"	10.0		93.0	82-132				
1,2-Dibromo-3-chloropropane	7.07		"	10.0		70.7	45-147				
1,2-Dibromoethane	8.88		"	10.0		88.8	83-124				
1,2-Dichlorobenzene	9.38		"	10.0		93.8	79-123				
1,2-Dichloroethane	9.26		"	10.0		92.6	73-132				
1,2-Dichloropropane	10.4		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	9.29		"	10.0		92.9	80-131				
1,3-Dichlorobenzene	8.77		"	10.0		87.7	86-122				
1,3-Dichloropropane	9.29		"	10.0		92.9	81-125				
1,4-Dichlorobenzene	8.93		"	10.0		89.3	85-124				
1,4-Dioxane	228		"	210		108	10-349				
2-Butanone	8.53		"	10.0		85.3	49-152				
2-Hexanone	10.4		"	10.0		104	51-146				
4-Methyl-2-pentanone	10.4		"	10.0		104	57-145				
Acetone	10.3		"	10.0		103	14-150				
Acrolein	5.72		"	10.0		57.2	10-153				
Acrylonitrile	8.98		"	10.0		89.8	51-150				
Benzene	8.51		"	10.0		85.1	85-126				
Bromochloromethane	9.45		"	10.0		94.5	77-128				
Bromodichloromethane	9.10		"	10.0		91.0	79-128				
Bromoform	9.00		"	10.0		90.0	78-133				
Bromomethane	5.88		"	10.0		58.8	43-168				
Carbon disulfide	7.42		"	10.0		74.2	68-146				
Carbon tetrachloride	8.46		"	10.0		84.6	77-141				
Chlorobenzene	9.57		"	10.0		95.7	88-120				
Chloroethane	8.72		"	10.0		87.2	65-136				
Chloroform	8.78		"	10.0		87.8	82-128				
Chloromethane	10.4		"	10.0		104	43-155				
cis-1,2-Dichloroethylene	8.60		"	10.0		86.0	83-129				
cis-1,3-Dichloropropylene	8.81		"	10.0		88.1	80-131				
Cyclohexane	6.82		"	10.0		68.2	63-149				
Dibromochloromethane	8.40		"	10.0		84.0	80-130				
Dibromomethane	8.93		"	10.0		89.3	72-134				
Dichlorodifluoromethane	7.26		"	10.0		72.6	44-144				
Ethyl Benzene	10.2		"	10.0		102	80-131				
Hexachlorobutadiene	11.4		"	10.0		114	67-146				
Isopropylbenzene	9.48		"	10.0		94.8	76-140				
Methyl acetate	8.10		"	10.0		81.0	51-139				
Methyl tert-butyl ether (MTBE)	8.03		"	10.0		80.3	76-135				
Methyleyclohexane	9.26		"	10.0		92.6	72-143				
Methylene chloride	9.03		"	10.0		90.3	55-137				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22449 - EPA 5030B

LCS (BC22449-BS1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

Naphthalene	8.09		ug/L	10.0		80.9	70-147				
n-Butylbenzene	9.96		"	10.0		99.6	79-132				
n-Propylbenzene	9.72		"	10.0		97.2	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	17.4		"	20.0		87.1	77-133				
p-Diethylbenzene	9.47		"	10.0		94.7	84-134				
p-Ethyltoluene	10.4		"	10.0		104	88-129				
p-Isopropyltoluene	9.46		"	10.0		94.6	81-136				
sec-Butylbenzene	9.54		"	10.0		95.4	79-137				
Styrene	9.36		"	10.0		93.6	67-132				
tert-Butyl alcohol (TBA)	46.2		"	50.0		92.4	25-162				
tert-Butylbenzene	7.59		"	10.0		75.9	77-138	Low Bias			
Tetrachloroethylene	8.82		"	10.0		88.2	82-131				
Toluene	9.45		"	10.0		94.5	80-127				
trans-1,2-Dichloroethylene	8.82		"	10.0		88.2	80-132				
trans-1,3-Dichloropropylene	8.63		"	10.0		86.3	78-131				
Trichloroethylene	8.79		"	10.0		87.9	82-128				
Trichlorofluoromethane	9.59		"	10.0		95.9	67-139				
Vinyl Chloride	9.86		"	10.0		98.6	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130				
Surrogate: SURR: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.76		"	10.0		97.6	79-122				

LCS Dup (BC22449-BS1)

Prepared: 03/16/2022 Analyzed: 03/17/2022

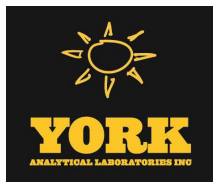
1,1,1,2-Tetrachloroethane	8.91		ug/L	10.0		89.1	82-126		3.74	30	
1,1,1-Trichloroethane	8.13		"	10.0		81.3	78-136		4.10	30	
1,1,2,2-Tetrachloroethane	8.88		"	10.0		88.8	76-129		2.23	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.86		"	10.0		78.6	54-165		4.72	30	
1,1,2-Trichloroethane	8.55		"	10.0		85.5	82-123		2.20	30	
1,1-Dichloroethane	8.54		"	10.0		85.4	82-129		4.24	30	
1,1-Dichloroethylene	8.57		"	10.0		85.7	68-138		5.01	30	
1,2,3-Trichlorobenzene	8.30		"	10.0		83.0	76-136		1.91	30	
1,2,3-Trichloropropane	8.70		"	10.0		87.0	77-128		3.06	30	
1,2,4-Trichlorobenzene	8.28		"	10.0		82.8	76-137		2.86	30	
1,2,4-Trimethylbenzene	8.93		"	10.0		89.3	82-132		4.06	30	
1,2-Dibromo-3-chloropropane	8.50		"	10.0		85.0	45-147		18.4	30	
1,2-Dibromoethane	8.62		"	10.0		86.2	83-124		2.97	30	
1,2-Dichlorobenzene	9.13		"	10.0		91.3	79-123		2.70	30	
1,2-Dichloroethane	9.02		"	10.0		90.2	73-132		2.63	30	
1,2-Dichloropropane	9.92		"	10.0		99.2	78-126		4.53	30	
1,3,5-Trimethylbenzene	8.98		"	10.0		89.8	80-131		3.39	30	
1,3-Dichlorobenzene	8.49		"	10.0		84.9	86-122	Low Bias	3.24	30	
1,3-Dichloropropane	8.93		"	10.0		89.3	81-125		3.95	30	
1,4-Dichlorobenzene	8.62		"	10.0		86.2	85-124		3.53	30	
1,4-Dioxane	228		"	210		108	10-349		0.0176	30	
2-Butanone	8.46		"	10.0		84.6	49-152		0.824	30	
2-Hexanone	10.2		"	10.0		102	51-146		1.85	30	
4-Methyl-2-pentanone	10.1		"	10.0		101	57-145		2.82	30	
Acetone	9.97		"	10.0		99.7	14-150		2.87	30	
Acrolein	5.64		"	10.0		56.4	10-153		1.41	30	
Acrylonitrile	8.76		"	10.0		87.6	51-150		2.48	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22449 - EPA 5030B											
LCS Dup (BC22449-BSD1)						Prepared: 03/16/2022 Analyzed: 03/17/2022					
Benzene	8.18		ug/L	10.0		81.8	85-126	Low Bias	3.95	30	
Bromochloromethane	9.00		"	10.0		90.0	77-128		4.88	30	
Bromodichloromethane	8.73		"	10.0		87.3	79-128		4.15	30	
Bromoform	8.79		"	10.0		87.9	78-133		2.36	30	
Bromomethane	5.66		"	10.0		56.6	43-168		3.81	30	
Carbon disulfide	7.08		"	10.0		70.8	68-146		4.69	30	
Carbon tetrachloride	8.09		"	10.0		80.9	77-141		4.47	30	
Chlorobenzene	9.21		"	10.0		92.1	88-120		3.83	30	
Chloroethane	8.30		"	10.0		83.0	65-136		4.94	30	
Chloroform	8.38		"	10.0		83.8	82-128		4.66	30	
Chloromethane	9.99		"	10.0		99.9	43-155		3.64	30	
cis-1,2-Dichloroethylene	8.28		"	10.0		82.8	83-129	Low Bias	3.79	30	
cis-1,3-Dichloropropylene	8.46		"	10.0		84.6	80-131		4.05	30	
Cyclohexane	6.49		"	10.0		64.9	63-149		4.96	30	
Dibromochloromethane	8.16		"	10.0		81.6	80-130		2.90	30	
Dibromomethane	8.68		"	10.0		86.8	72-134		2.84	30	
Dichlorodifluoromethane	6.85		"	10.0		68.5	44-144		5.81	30	
Ethyl Benzene	9.68		"	10.0		96.8	80-131		4.74	30	
Hexachlorobutadiene	11.1		"	10.0		111	67-146		2.76	30	
Isopropylbenzene	9.08		"	10.0		90.8	76-140		4.31	30	
Methyl acetate	7.96		"	10.0		79.6	51-139		1.74	30	
Methyl tert-butyl ether (MTBE)	7.85		"	10.0		78.5	76-135		2.27	30	
Methylcyclohexane	8.80		"	10.0		88.0	72-143		5.09	30	
Methylene chloride	8.66		"	10.0		86.6	55-137		4.18	30	
Naphthalene	7.89		"	10.0		78.9	70-147		2.50	30	
n-Butylbenzene	9.54		"	10.0		95.4	79-132		4.31	30	
n-Propylbenzene	9.34		"	10.0		93.4	78-133		3.99	30	
o-Xylene	9.67		"	10.0		96.7	78-130		4.94	30	
p- & m- Xylenes	16.6		"	20.0		83.0	77-133		4.76	30	
p-Diethylbenzene	9.14		"	10.0		91.4	84-134		3.55	30	
p-Ethyltoluene	9.95		"	10.0		99.5	88-129		3.94	30	
p-Isopropyltoluene	9.05		"	10.0		90.5	81-136		4.43	30	
sec-Butylbenzene	9.15		"	10.0		91.5	79-137		4.17	30	
Styrene	8.96		"	10.0		89.6	67-132		4.37	30	
tert-Butyl alcohol (TBA)	46.0		"	50.0		92.0	25-162		0.477	30	
tert-Butylbenzene	7.30		"	10.0		73.0	77-138	Low Bias	3.90	30	
Tetrachloroethylene	8.47		"	10.0		84.7	82-131		4.05	30	
Toluene	9.04		"	10.0		90.4	80-127		4.43	30	
trans-1,2-Dichloroethylene	8.42		"	10.0		84.2	80-132		4.64	30	
trans-1,3-Dichloropropylene	8.37		"	10.0		83.7	78-131		3.06	30	
Trichloroethylene	8.43		"	10.0		84.3	82-128		4.18	30	
Trichlorofluoromethane	9.11		"	10.0		91.1	67-139		5.13	30	
Vinyl Chloride	9.31		"	10.0		93.1	58-145		5.74	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130				
Surrogate: SURR: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.73		"	10.0		97.3	79-122				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BC22435 - % Solids Prep

Duplicate (BC22435-DUP1)		*Source sample: 22C0596-06 (Duplicate)					Prepared & Analyzed: 03/17/2022				
% Solids	76.7	0.100	%		75.5			1.52	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C0658-01	SB-005 (0-2)	40mL Vial with Stir Bar-Cool 4° C
22C0658-02	SB-006 (0-2)	40mL Vial with Stir Bar-Cool 4° C
22C0658-03	SB-007 (0-2)	40mL Vial with Stir Bar-Cool 4° C
22C0658-04	Equipment Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C0658-05	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-01	The surrogate recovery for this sample may not be available due to sample dilution required from high analyte concentration and/or matrix interferences.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.



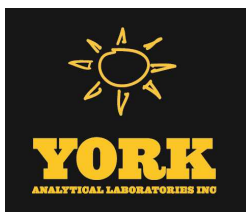
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Avenue, Suite 7

Bohemia NY, 11716

Attention: Michael Gaul

Report Date: 03/29/2022

Client Project ID: FAY2101 434 Riverdale Ave Yonkers

York Project (SDG) No.: 22C1239



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/29/2022
Client Project ID: FAY2101 434 Riverdale Ave Yonkers
York Project (SDG) No.: 22C1239

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia NY, 11716
Attention: Michael Gaul

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 22, 2022 and listed below. The project was identified as your project: **FAY2101 434 Riverdale Ave Yonkers**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
22C1239-01	SV-El Valle	Soil Vapor	03/22/2022	03/22/2022
22C1239-02	AA-El Valle	Indoor Ambient Air	03/22/2022	03/22/2022
22C1239-03	SV-Deli	Soil Vapor	03/22/2022	03/22/2022
22C1239-04	AA-Deli	Indoor Ambient Air	03/22/2022	03/22/2022
22C1239-05	SV-Supermarket	Soil Vapor	03/22/2022	03/22/2022
22C1239-06	AA-Supermarket	Indoor Ambient Air	03/22/2022	03/22/2022
22C1239-07	SV-Laundromat East	Soil Vapor	03/22/2022	03/22/2022
22C1239-08	AA-Laundromat East	Indoor Ambient Air	03/22/2022	03/22/2022
22C1239-09	SV-Laundromat West	Soil Vapor	03/22/2022	03/22/2022
22C1239-10	AA-Laundromat West	Indoor Ambient Air	03/22/2022	03/22/2022
22C1239-11	OA-001	Outdoor Ambient Ai	03/22/2022	03/22/2022

General Notes for York Project (SDG) No.: 22C1239

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 03/29/2022





Sample Information

Client Sample ID: SV-El Valle

York Sample ID: 22C1239-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:06 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	4.89	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	3.89	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	4.89	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	5.46	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	3.89	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	2.89	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.41	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	5.29	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	3.50	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	5.48	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	4.29	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	2.88	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	3.29	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	4.98	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	3.50	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	4.73	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	4.29	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	3.29	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	4.29	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	5.14	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
78-93-3	2-Butanone	7.36		ug/m ³	2.10	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ



Sample Information

Client Sample ID: SV-El Valle

York Sample ID: 22C1239-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:06 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND	TO-CC V, TO-LCS -L	ug/m ³	5.84	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	11.2	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	2.92	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
67-64-1	Acetone	1100		ug/m ³	8.47	17.82	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 16:06	LLJ
107-13-1	Acrylonitrile	5.72		ug/m ³	1.55	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
71-43-2	Benzene	ND		ug/m ³	2.28	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	3.69	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-27-4	Bromodichloromethane	14.8		ug/m ³	4.78	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-25-2	Bromoform	ND		ug/m ³	7.37	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
74-83-9	Bromomethane	ND		ug/m ³	2.77	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	2.22	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	1.12	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	3.28	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-00-3	Chloroethane	ND		ug/m ³	1.88	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
67-66-3	Chloroform	467		ug/m ³	3.48	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.47	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	1.41	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.24	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	2.45	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	6.07	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	3.52	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ



Sample Information

Client Sample ID: SV-El Valle

York Sample ID: 22C1239-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:06 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m ³	5.14	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	3.10	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	7.60	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
67-63-0	Isopropanol	2120		ug/m ³	8.76	17.82	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 16:06	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	2.92	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.57	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	4.95	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
142-82-5	n-Heptane	ND		ug/m ³	2.92	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
110-54-3	n-Hexane	ND		ug/m ³	2.51	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
95-47-6	o-Xylene	ND		ug/m ³	3.09	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	6.19	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	3.50	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
115-07-1	* Propylene	ND		ug/m ³	1.23	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
100-42-5	Styrene	ND		ug/m ³	3.04	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
127-18-4	Tetrachloroethylene	27.6		ug/m ³	4.83	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	4.20	7.128	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 12:48	LLJ
108-88-3	Toluene	ND		ug/m ³	2.69	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	2.83	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.24	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.958	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	4.01	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.51	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

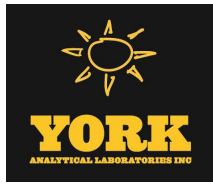
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: SV-El Valle

York Sample ID: 22C1239-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:06 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m ³	3.12	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.911	7.128	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 12:48	LLJ



Sample Information

Client Sample ID: AA-El Valle

York Sample ID: 22C1239-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:10 pm

03/22/2022

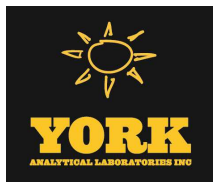
Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.603	0.879	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 17:16	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.480	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.603	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.674		ug/m ³	0.674	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.480	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.356	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.174	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.652	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
95-63-6	1,2,4-Trimethylbenzene	1.08		ug/m ³	0.432	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.675	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.528	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.356	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.406	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.614	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.432	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.583	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.528	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.406	0.879	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 17:16	LLJ
106-46-7	1,4-Dichlorobenzene	4.60		ug/m ³	0.528	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.633	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
78-93-3	2-Butanone	3.11		ug/m ³	0.259	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.720	0.879	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 17:16	LLJ



Sample Information

Client Sample ID: AA-El Valle

York Sample ID: 22C1239-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:10 pm

03/22/2022

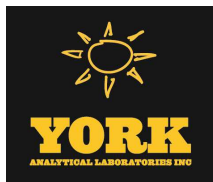
Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.38	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.360	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
67-64-1	Acetone	712		ug/m ³	15.8	33.17	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 02:28	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.191	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
71-43-2	Benzene	0.702		ug/m ³	0.281	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.455	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.589	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.909	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.341	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.274	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
56-23-5	Carbon tetrachloride	0.387		ug/m ³	0.138	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.405	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.232	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
67-66-3	Chloroform	5.92		ug/m ³	0.429	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
74-87-3	Chloromethane	1.47	TO-CC V, TO-LCS -H	ug/m ³	0.182	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.418		ug/m ³	0.174	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.399	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.303	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.749	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
75-71-8	Dichlorodifluoromethane	2.48	TO-CC V	ug/m ³	0.435	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
141-78-6	* Ethyl acetate	10.2		ug/m ³	0.633	0.879	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 17:16	LLJ



Sample Information

Client Sample ID: AA-El Valle

York Sample ID: 22C1239-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:10 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	0.496		ug/m ³	0.382	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.937	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
67-63-0	Isopropanol	32.0		ug/m ³	0.432	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
80-62-6	Methyl Methacrylate	5.11		ug/m ³	0.360	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.317	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
75-09-2	Methylene chloride	2.29		ug/m ³	0.611	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
142-82-5	n-Heptane	0.396		ug/m ³	0.360	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
110-54-3	n-Hexane	0.341		ug/m ³	0.310	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
95-47-6	o-Xylene	0.649		ug/m ³	0.382	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
179601-23-1	p- & m- Xylenes	2.25		ug/m ³	0.763	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
622-96-8	* p-Ethyltoluene	0.907		ug/m ³	0.432	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.151	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
100-42-5	Styrene	ND		ug/m ³	0.374	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
127-18-4	Tetrachloroethylene	1.37		ug/m ³	0.596	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
109-99-9	* Tetrahydrofuran	1.19		ug/m ³	0.518	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
108-88-3	Toluene	1.09		ug/m ³	0.331	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.349	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.399	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
79-01-6	Trichloroethylene	0.142		ug/m ³	0.118	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.48		ug/m ³	0.494	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.310	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.384	0.879	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 17:16	LLJ

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

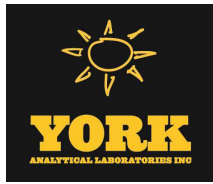
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: AA-El Valle

York Sample ID: 22C1239-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:10 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.112	0.879	EPA TO-15	03/26/2022 08:00	03/26/2022 17:16	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		





Sample Information

Client Sample ID: SV-Deli

York Sample ID: 22C1239-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:19 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.10	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.874	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.10	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.23	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.874	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.648	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.318	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.19	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
95-63-6	1,2,4-Trimethylbenzene	8.35		ug/m ³	0.788	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.23	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.963	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.648	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.740	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.12	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
108-67-8	1,3,5-Trimethylbenzene	2.21		ug/m ³	0.788	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.06	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.963	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.740	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.963	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.15	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
78-93-3	2-Butanone	9.17		ug/m ³	0.472	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ



Sample Information

Client Sample ID: SV-Deli

York Sample ID: 22C1239-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:19 pm

03/22/2022

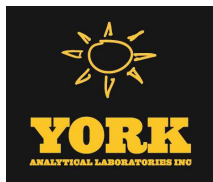
Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	9.25	TO-CC V, TO-LCS -L	ug/m ³	1.31	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	2.51	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.656	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
67-64-1	Acetone	5.63		ug/m ³	0.761	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.348	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
71-43-2	Benzene	0.512		ug/m ³	0.512	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.829	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.07	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.66	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.622	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
75-15-0	Carbon disulfide	0.748		ug/m ³	0.499	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
56-23-5	Carbon tetrachloride	0.403		ug/m ³	0.252	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.738	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.423	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.782	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.331	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.318	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.727	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.551	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.36	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ
75-71-8	Dichlorodifluoromethane	2.77		ug/m ³	0.792	1.602	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 03:32	LLJ



Sample Information

Client Sample ID: SV-Deli

York Sample ID: 22C1239-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:19 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m ³	1.15	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	2.43		ug/m ³	0.696	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.71	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	Isopropanol	4.84		ug/m ³	0.788	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.656	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.578	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	3.17		ug/m ³	1.11	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	n-Heptane	2.36		ug/m ³	0.657	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	n-Hexane	0.734		ug/m ³	0.565	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	4.87		ug/m ³	0.696	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	p- & m- Xylenes	10.7		ug/m ³	1.39	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	7.56		ug/m ³	0.788	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m ³	0.276	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m ³	0.682	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	9.45		ug/m ³	1.09	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.945	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:			
108-88-3	Toluene	6.70		ug/m ³	0.604	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.635	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.727	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m ³	0.215	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	1.62		ug/m ³	0.900	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m ³	0.564	1.602	EPA TO-15	03/28/2022 12:00	03/29/2022 03:32	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: SV-Deli

York Sample ID: 22C1239-03

York Project (SDG) No.

22C1239

Client Project ID

FAY2101 434 Riverdale Ave Yonkers

Matrix

Soil Vapor

Collection Date/Time

March 22, 2022 1:19 pm

Date Received

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m ³	0.701	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.205	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 03:32	LLJ



Sample Information

Client Sample ID: AA-Deli

York Sample ID: 22C1239-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:30 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.581	0.846	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 19:22	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.462	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.581	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.648	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.462	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.342	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.168	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.628	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.416	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.650	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.509	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.342	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.391	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.591	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.416	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.561	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.509	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.391	0.846	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 19:22	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.509	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.610	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
78-93-3	2-Butanone	0.923		ug/m ³	0.250	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.693	0.846	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 19:22	LLJ



Sample Information

Client Sample ID: AA-Deli

York Sample ID: 22C1239-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:30 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.32	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.347	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
67-64-1	Acetone	39.7		ug/m ³	0.402	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.184	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
71-43-2	Benzene	0.514		ug/m ³	0.270	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.438	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.567	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.874	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.329	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.263	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
56-23-5	Carbon tetrachloride	0.426		ug/m ³	0.133	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.389	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.223	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
67-66-3	Chloroform	0.537		ug/m ³	0.413	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
74-87-3	Chloromethane	1.36	TO-CC V, TO-LCS -H	ug/m ³	0.175	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.168	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.384	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.291	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.721	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
75-71-8	Dichlorodifluoromethane	2.76	TO-CC V	ug/m ³	0.418	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
141-78-6	* Ethyl acetate	1.43		ug/m ³	0.610	0.846	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 19:22	LLJ



Sample Information

Client Sample ID: AA-Deli

York Sample ID: 22C1239-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:30 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	0.367	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.902	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
67-63-0	Isopropanol	2.37		ug/m ³	0.416	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.346	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.305	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
75-09-2	Methylene chloride	0.852		ug/m ³	0.588	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.347	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
110-54-3	n-Hexane	ND		ug/m ³	0.298	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.367	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.735	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.416	0.846	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 19:22	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.146	0.846	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 19:22	LLJ
100-42-5	Styrene	ND		ug/m ³	0.360	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.574	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.499	0.846	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 19:22	LLJ
108-88-3	Toluene	0.446		ug/m ³	0.319	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.335	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.384	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.114	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	2.76		ug/m ³	0.475	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.298	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.370	0.846	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 19:22	LLJ

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

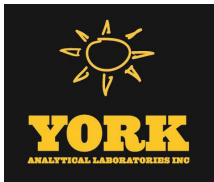
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: AA-Deli

York Sample ID: 22C1239-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:30 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.108	0.846	EPA TO-15	03/26/2022 08:00	03/26/2022 19:22	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: SV-Supermarket

York Sample ID: 22C1239-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:30 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	2.59	3.771	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 07:31	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	2.06	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.59	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.89	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	2.06	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.53	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.748	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.80	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	1.85	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.90	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.27	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.53	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.74	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.64	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.85	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.50	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.27	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.74	3.771	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 07:31	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.27	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.72	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
78-93-3	2-Butanone	12.1		ug/m ³	1.11	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	3.09	3.771	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 07:31	LLJ



Sample Information

Client Sample ID: SV-Supermarket

York Sample ID: 22C1239-05

York Project (SDG) No.
22C1239

Client Project ID
FAY2101 434 Riverdale Ave Yonkers

Matrix
Soil Vapor

Collection Date/Time
March 22, 2022 1:30 pm

Date Received
03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	5.90	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.54	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
67-64-1	Acetone	18.5		ug/m ³	1.79	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.818	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
71-43-2	Benzene	ND		ug/m ³	1.20	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.95	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.53	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-25-2	Bromoform	ND		ug/m ³	3.90	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
74-83-9	Bromomethane	ND		ug/m ³	1.46	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-15-0	Carbon disulfide	1.29		ug/m ³	1.17	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.593	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.74	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.995	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
67-66-3	Chloroform	ND		ug/m ³	1.84	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
74-87-3	Chloromethane	1.56	TO-CC V	ug/m ³	0.779	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
156-59-2	cis-1,2-Dichloroethylene	2.09		ug/m ³	0.748	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.71	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	1.30	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	3.21	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-71-8	Dichlorodifluoromethane	2.98		ug/m ³	1.86	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	2.72	3.771	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 07:31	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	1.64	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ



Sample Information

Client Sample ID: SV-Supermarket

York Sample ID: 22C1239-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:30 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	4.02	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
67-63-0	Isopropanol	3.24		ug/m ³	1.85	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.54	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.36	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	2.62	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
142-82-5	n-Heptane	ND		ug/m ³	1.55	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
110-54-3	n-Hexane	ND		ug/m ³	1.33	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
95-47-6	o-Xylene	ND		ug/m ³	1.64	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	3.27	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	1.85	3.771	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 07:31	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.649	3.771	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 07:31	LLJ
100-42-5	Styrene	ND		ug/m ³	1.61	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
127-18-4	Tetrachloroethylene	3.58		ug/m ³	2.56	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
109-99-9	* Tetrahydrofuran	3.34		ug/m ³	2.22	3.771	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 07:31	LLJ
108-88-3	Toluene	ND		ug/m ³	1.42	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.50	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.71	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.507	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	2.12	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.33	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.65	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.482	3.771	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 07:31	LLJ

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

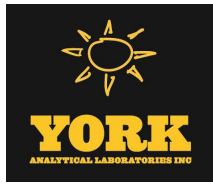
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: SV-Supermarket

York Sample ID: 22C1239-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:30 pm

03/22/2022



Sample Information

Client Sample ID: AA-Supermarket

York Sample ID: 22C1239-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:31 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.571	0.832	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 21:29	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.454	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.571	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.638	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.454	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.337	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.165	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.617	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
95-63-6	1,2,4-Trimethylbenzene	0.532		ug/m ³	0.409	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.639	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.500	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.337	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.384	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.582	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.409	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.552	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.500	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.384	0.832	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 21:29	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.500	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.600	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
78-93-3	2-Butanone	4.76		ug/m ³	0.245	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.682	0.832	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 21:29	LLJ



Sample Information

Client Sample ID: AA-Supermarket

York Sample ID: 22C1239-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:31 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.30	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.341	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
67-64-1	Acetone	6.11		ug/m ³	0.395	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.181	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
71-43-2	Benzene	0.319		ug/m ³	0.266	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.431	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.557	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.860	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.323	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-15-0	Carbon disulfide	0.492		ug/m ³	0.259	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
56-23-5	Carbon tetrachloride	0.209		ug/m ³	0.131	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.383	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.220	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.406	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.172	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.693		ug/m ³	0.165	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.378	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.286	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.709	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-71-8	Dichlorodifluoromethane	1.32	TO-CC V	ug/m ³	0.411	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	0.600	0.832	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 21:29	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	0.361	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: AA-Supermarket

York Sample ID: 22C1239-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:31 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.887	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
67-63-0	Isopropanol	0.675		ug/m ³	0.409	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.341	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.300	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-09-2	Methylene chloride	0.751		ug/m ³	0.578	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.341	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
110-54-3	n-Hexane	ND		ug/m ³	0.293	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.361	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.722	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
622-96-8	* p-Ethyltoluene	0.491		ug/m ³	0.409	0.832	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 21:29	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.143	0.832	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 21:29	LLJ
100-42-5	Styrene	ND		ug/m ³	0.354	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
127-18-4	Tetrachloroethylene	1.35		ug/m ³	0.564	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
109-99-9	* Tetrahydrofuran	1.37		ug/m ³	0.491	0.832	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 21:29	LLJ
108-88-3	Toluene	0.408		ug/m ³	0.314	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.330	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.378	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
79-01-6	Trichloroethylene	0.134		ug/m ³	0.112	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	0.608		ug/m ³	0.467	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.293	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.364	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.106	0.832	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 21:29	LLJ

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

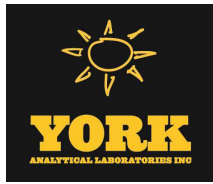
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: AA-Supermarket

York Sample ID: 22C1239-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:31 pm

03/22/2022



Sample Information

Client Sample ID: SV-Laundromat East

York Sample ID: 22C1239-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:40 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.30	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.04	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.30	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.45	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.04	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.768	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.376	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.41	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
95-63-6	1,2,4-Trimethylbenzene	9.33		ug/m ³	0.933	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.46	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.14	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.768	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.877	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.33	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
108-67-8	1,3,5-Trimethylbenzene	2.33		ug/m ³	0.933	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.26	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.14	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.877	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.14	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.37	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
78-93-3	2-Butanone	10.8		ug/m ³	0.559	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ



Sample Information

Client Sample ID: SV-Laundromat East

York Sample ID: 22C1239-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:40 pm

03/22/2022

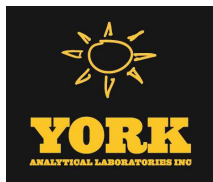
Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	6.29	TO-CC V, TO-LCS -L	ug/m ³	1.55	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	2.97	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.777	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
67-64-1	Acetone	5.27		ug/m ³	0.901	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.412	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
71-43-2	Benzene	ND		ug/m ³	0.606	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.982	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.27	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.96	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.737	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-15-0	Carbon disulfide	2.60		ug/m ³	0.591	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.298	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.873	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.501	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
67-66-3	Chloroform	4.91		ug/m ³	0.926	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.392	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.376	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.861	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.653	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.62	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-71-8	Dichlorodifluoromethane	2.91		ug/m ³	0.938	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ



Sample Information

Client Sample ID: SV-Laundromat East

York Sample ID: 22C1239-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:40 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m ³	1.37	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
100-41-4	Ethyl Benzene	1.98		ug/m ³	0.824	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	2.02	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
67-63-0	Isopropanol	12.8		ug/m ³	0.933	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.777	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.684	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-09-2	Methylene chloride	1.52		ug/m ³	1.32	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
142-82-5	n-Heptane	1.40		ug/m ³	0.777	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
110-54-3	n-Hexane	ND		ug/m ³	0.669	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
95-47-6	o-Xylene	4.37		ug/m ³	0.824	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
179601-23-1	p- & m- Xylenes	9.39		ug/m ³	1.65	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
622-96-8	* p-Ethyltoluene	7.83		ug/m ³	0.933	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.326	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
100-42-5	Styrene	ND		ug/m ³	0.808	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
127-18-4	Tetrachloroethylene	6.18		ug/m ³	1.29	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.12	1.897	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 08:36	LLJ
108-88-3	Toluene	4.86		ug/m ³	0.715	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.752	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.861	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.255	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.60		ug/m ³	1.07	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.668	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ



Sample Information

Client Sample ID: SV-Laundromat East

York Sample ID: 22C1239-07

York Project (SDG) No.

22C1239

Client Project ID

FAY2101 434 Riverdale Ave Yonkers

Matrix

Soil Vapor

Collection Date/Time

March 22, 2022 1:40 pm

Date Received

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m ³	0.830	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.242	1.897	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 08:36	LLJ



Sample Information

Client Sample ID: AA-Laundromat East

York Sample ID: 22C1239-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:41 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.620	0.903	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 23:35	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.493	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.620	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.692	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.493	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.365	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.179	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.670	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
95-63-6	1,2,4-Trimethylbenzene	0.932		ug/m ³	0.444	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.694	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.543	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.365	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.417	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.631	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.444	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.599	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.543	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.417	0.903	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 23:35	LLJ
106-46-7	1,4-Dichlorobenzene	4.29		ug/m ³	0.543	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.651	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
78-93-3	2-Butanone	0.639		ug/m ³	0.266	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.740	0.903	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 23:35	LLJ



Sample Information

Client Sample ID: AA-Laundromat East

York Sample ID: 22C1239-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:41 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.41	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.370	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
67-64-1	Acetone	19.9		ug/m ³	0.429	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.196	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
71-43-2	Benzene	0.462		ug/m ³	0.288	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.467	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.605	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.933	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.351	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.281	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
56-23-5	Carbon tetrachloride	0.454		ug/m ³	0.142	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.416	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.238	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
67-66-3	Chloroform	5.56		ug/m ³	0.441	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
74-87-3	Chloromethane	1.68	TO-CC V, TO-LCS -H	ug/m ³	0.186	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.179	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.410	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.311	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.769	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
75-71-8	Dichlorodifluoromethane	2.55	TO-CC V	ug/m ³	0.447	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	0.651	0.903	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 23:35	LLJ



Sample Information

Client Sample ID: AA-Laundromat East

York Sample ID: 22C1239-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:41 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	0.392	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.963	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
67-63-0	Isopropanol	53.6		ug/m ³	0.444	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.370	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.326	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
75-09-2	Methylene chloride	2.29		ug/m ³	0.627	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.370	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
110-54-3	n-Hexane	ND		ug/m ³	0.318	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.392	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.784	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
622-96-8	* p-Ethyltoluene	0.577		ug/m ³	0.444	0.903	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 23:35	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.155	0.903	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 23:35	LLJ
100-42-5	Styrene	ND		ug/m ³	0.385	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
127-18-4	Tetrachloroethylene	0.612		ug/m ³	0.612	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.533	0.903	EPA TO-15 Certifications:	03/26/2022 08:00	03/26/2022 23:35	LLJ
108-88-3	Toluene	1.16		ug/m ³	0.340	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.358	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.410	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.121	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.42		ug/m ³	0.507	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.318	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.395	0.903	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/26/2022 23:35	LLJ

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

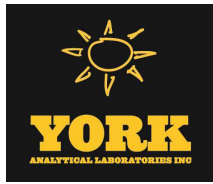
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: AA-Laundromat East

York Sample ID: 22C1239-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:41 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.115	0.903	EPA TO-15	03/26/2022 08:00	03/26/2022 23:35	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: SV-Laundromat West

York Sample ID: 22C1239-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:44 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.963	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.766	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.963	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.08	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.766	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.568	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.278	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.04	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
95-63-6	1,2,4-Trimethylbenzene	12.0		ug/m ³	0.690	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.08	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.844	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.568	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.648	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.981	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
108-67-8	1,3,5-Trimethylbenzene	3.24		ug/m ³	0.690	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.931	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.844	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.648	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.844	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.01	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
78-93-3	2-Butanone	15.0		ug/m ³	0.414	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ



Sample Information

Client Sample ID: SV-Laundromat West

York Sample ID: 22C1239-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:44 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	7.93	TO-CC V, TO-LCS -L	ug/m ³	1.15	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	2.20	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.575	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
67-64-1	Acetone	11.7		ug/m ³	0.667	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.304	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
71-43-2	Benzene	0.807		ug/m ³	0.448	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.726	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.940	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.45	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.545	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
75-15-0	Carbon disulfide	1.66		ug/m ³	0.437	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
56-23-5	Carbon tetrachloride	0.353		ug/m ³	0.221	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.646	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.370	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
67-66-3	Chloroform	5.62		ug/m ³	0.685	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.290	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.278	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.637	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
110-82-7	Cyclohexane	0.580		ug/m ³	0.483	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.20	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ
75-71-8	Dichlorodifluoromethane	3.47		ug/m ³	0.694	1.403	EPA TO-15 Certifications:	03/28/2022 12:00	03/29/2022 09:40	LLJ



Sample Information

Client Sample ID: SV-Laundromat West

York Sample ID: 22C1239-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:44 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m ³	1.01	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	3.05		ug/m ³	0.609	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.50	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	Isopropanol	6.10		ug/m ³	0.690	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.574	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.506	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m ³	0.975	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	n-Heptane	3.05		ug/m ³	0.575	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	n-Hexane	1.09		ug/m ³	0.495	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	6.03		ug/m ³	0.609	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	p- & m- Xylenes	13.3		ug/m ³	1.22	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	10.4		ug/m ³	0.690	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m ³	0.241	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m ³	0.598	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	58.8		ug/m ³	0.952	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.828	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:			
108-88-3	Toluene	7.19		ug/m ³	0.529	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.556	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.637	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m ³	0.188	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	1.66		ug/m ³	0.788	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m ³	0.494	1.403	EPA TO-15	03/28/2022 12:00	03/29/2022 09:40	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

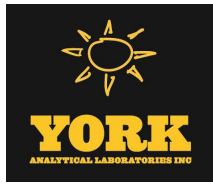
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: SV-Laundromat West

York Sample ID: 22C1239-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Soil Vapor

March 22, 2022 1:44 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m ³	0.614	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.179	1.403	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/28/2022 12:00	03/29/2022 09:40	LLJ



Sample Information

Client Sample ID: AA-Laundromat West

York Sample ID: 22C1239-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:45 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.697	1.016	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 01:42	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.554	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.697	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.779	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.554	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.411	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.201	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.754	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
95-63-6	1,2,4-Trimethylbenzene	0.649		ug/m ³	0.499	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.781	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.611	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.411	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.469	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.710	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.499	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.674	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.611	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.470	1.016	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 01:42	LLJ
106-46-7	1,4-Dichlorobenzene	9.83		ug/m ³	0.611	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.732	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
78-93-3	2-Butanone	0.869		ug/m ³	0.300	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.832	1.016	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 01:42	LLJ



Sample Information

Client Sample ID: AA-Laundromat West

York Sample ID: 22C1239-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:45 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.59	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.416	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
67-64-1	Acetone	74.4		ug/m ³	0.483	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.220	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
71-43-2	Benzene	0.519		ug/m ³	0.325	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.526	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.681	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.05	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.395	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.316	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
56-23-5	Carbon tetrachloride	0.447		ug/m ³	0.160	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.468	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.268	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
67-66-3	Chloroform	6.99		ug/m ³	0.496	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
74-87-3	Chloromethane	1.68	TO-CC V, TO-LCS -H	ug/m ³	0.210	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.201	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.461	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.350	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.865	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
75-71-8	Dichlorodifluoromethane	2.61	TO-CC V	ug/m ³	0.502	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
141-78-6	* Ethyl acetate	0.952		ug/m ³	0.732	1.016	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 01:42	LLJ



Sample Information

Client Sample ID: AA-Laundromat West

York Sample ID: 22C1239-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:45 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	0.441	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.08	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
67-63-0	Isopropanol	41.8		ug/m ³	0.499	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
80-62-6	Methyl Methacrylate	1.08		ug/m ³	0.416	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.366	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
75-09-2	Methylene chloride	4.69		ug/m ³	0.706	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.416	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
110-54-3	n-Hexane	ND		ug/m ³	0.358	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.441	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.882	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
622-96-8	* p-Ethyltoluene	0.499		ug/m ³	0.499	1.016	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 01:42	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.175	1.016	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 01:42	LLJ
100-42-5	Styrene	ND		ug/m ³	0.433	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
127-18-4	Tetrachloroethylene	5.93		ug/m ³	0.689	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.599	1.016	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 01:42	LLJ
108-88-3	Toluene	1.34		ug/m ³	0.383	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.403	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.461	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.136	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.54		ug/m ³	0.571	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.358	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.444	1.016	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 01:42	LLJ

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

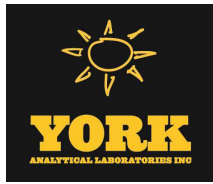
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: AA-Laundromat West

York Sample ID: 22C1239-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Indoor Ambient Air

March 22, 2022 1:45 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.130	1.016	EPA TO-15	03/26/2022 08:00	03/27/2022 01:42	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: OA-001

York Sample ID: 22C1239-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Outdoor Ambient Air

March 22, 2022 2:00 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.607	0.884	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 02:52	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.482	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.607	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.677		ug/m ³	0.677	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.482	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.358	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.175	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.656	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.435	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.679	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.531	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.358	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.408	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.618	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.435	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.587	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.531	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.409	0.884	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 02:52	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.531	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.637	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
78-93-3	2-Butanone	1.15		ug/m ³	0.261	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.724	0.884	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 02:52	LLJ



Sample Information

Client Sample ID: OA-001

York Sample ID: 22C1239-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Outdoor Ambient Air

March 22, 2022 2:00 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	1.38	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.362	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
67-64-1	Acetone	14.8		ug/m ³	0.420	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.192	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
71-43-2	Benzene	0.593		ug/m ³	0.282	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.458	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.592	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.914	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.343	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.275	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
56-23-5	Carbon tetrachloride	0.445		ug/m ³	0.139	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.407	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.233	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.432	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
74-87-3	Chloromethane	2.03	TO-CC V, TO-LCS -H	ug/m ³	0.183	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.175	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.401	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.304	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.753	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
75-71-8	Dichlorodifluoromethane	3.63	TO-CC V	ug/m ³	0.437	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	0.637	0.884	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 02:52	LLJ



Sample Information

Client Sample ID: OA-001

York Sample ID: 22C1239-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Outdoor Ambient Air

March 22, 2022 2:00 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	0.384	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.943	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
67-63-0	Isopropanol	0.739		ug/m ³	0.435	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.362	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.319	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
75-09-2	Methylene chloride	2.09		ug/m ³	0.614	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.362	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
110-54-3	n-Hexane	ND		ug/m ³	0.312	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.384	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.768	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.435	0.884	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 02:52	LLJ
115-07-1	* Propylene	0.715		ug/m ³	0.152	0.884	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 02:52	LLJ
100-42-5	Styrene	ND		ug/m ³	0.377	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.600	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.521	0.884	EPA TO-15 Certifications:	03/26/2022 08:00	03/27/2022 02:52	LLJ
108-88-3	Toluene	0.466		ug/m ³	0.333	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.350	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.401	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.119	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.59		ug/m ³	0.497	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.311	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.387	0.884	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/26/2022 08:00	03/27/2022 02:52	LLJ

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

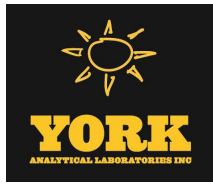
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: OA-001

York Sample ID: 22C1239-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1239

FAY2101 434 Riverdale Ave Yonkers

Outdoor Ambient Air

March 22, 2022 2:00 pm

03/22/2022

Volatile Organics, TO15 Full

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.113	0.884	EPA TO-15	03/26/2022 08:00	03/27/2022 02:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		





Analytical Batch Summary

Batch ID: BC22980 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C1239-01RE1	SV-El Valle	03/26/22
22C1239-02	AA-El Valle	03/26/22
22C1239-04	AA-Deli	03/26/22
22C1239-06	AA-Supermarket	03/26/22
22C1239-08	AA-Laundromat East	03/26/22
22C1239-10	AA-Laundromat West	03/26/22
22C1239-11	OA-001	03/26/22
BC22980-BLK1	Blank	03/26/22
BC22980-BS1	LCS	03/26/22
BC22980-DUP1	Duplicate	03/26/22

Batch ID: BC22981 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C1239-01	SV-El Valle	03/28/22
22C1239-02RE1	AA-El Valle	03/28/22
22C1239-03	SV-Deli	03/28/22
22C1239-05	SV-Supermarket	03/28/22
22C1239-07	SV-Laundromat East	03/28/22
22C1239-09	SV-Laundromat West	03/28/22
BC22981-BLK1	Blank	03/28/22
BC22981-BS1	LCS	03/28/22
BC22981-DUP1	Duplicate	03/28/22



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22980 - EPA TO15 PREP

Blank (BC22980-BLK1)

Prepared & Analyzed: 03/26/2022

1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³
1,1,1-Trichloroethane	ND	0.546	"
1,1,2,2-Tetrachloroethane	ND	0.687	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"
1,1,2-Trichloroethane	ND	0.546	"
1,1-Dichloroethane	ND	0.405	"
1,1-Dichloroethylene	ND	0.198	"
1,2,4-Trichlorobenzene	ND	0.742	"
1,2,4-Trimethylbenzene	ND	0.492	"
1,2-Dibromoethane	ND	0.768	"
1,2-Dichlorobenzene	ND	0.601	"
1,2-Dichloroethane	ND	0.405	"
1,2-Dichloropropane	ND	0.462	"
1,2-Dichlorotetrafluoroethane	ND	0.699	"
1,3,5-Trimethylbenzene	ND	0.492	"
1,3-Butadiene	ND	0.664	"
1,3-Dichlorobenzene	ND	0.601	"
1,3-Dichloropropane	ND	0.462	"
1,4-Dichlorobenzene	ND	0.601	"
1,4-Dioxane	ND	0.721	"
2-Butanone	ND	0.295	"
2-Hexanone	ND	0.819	"
3-Chloropropene	ND	1.57	"
4-Methyl-2-pentanone	ND	0.410	"
Acetone	ND	0.475	"
Acrylonitrile	ND	0.217	"
Benzene	ND	0.319	"
Benzyl chloride	ND	0.518	"
Bromodichloromethane	ND	0.670	"
Bromoform	ND	1.03	"
Bromomethane	ND	0.388	"
Carbon disulfide	ND	0.311	"
Carbon tetrachloride	ND	0.157	"
Chlorobenzene	ND	0.460	"
Chloroethane	ND	0.264	"
Chloroform	ND	0.488	"
Chloromethane	ND	0.207	"
cis-1,2-Dichloroethylene	ND	0.198	"
cis-1,3-Dichloropropylene	ND	0.454	"
Cyclohexane	ND	0.344	"
Dibromochloromethane	ND	0.852	"
Dichlorodifluoromethane	ND	0.495	"
Ethyl acetate	ND	0.721	"
Ethyl Benzene	ND	0.434	"
Hexachlorobutadiene	ND	1.07	"
Isopropanol	ND	0.492	"
Methyl Methacrylate	ND	0.409	"
Methyl tert-butyl ether (MTBE)	ND	0.361	"
Methylene chloride	ND	0.695	"
n-Heptane	ND	0.410	"





Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22980 - EPA TO15 PREP

Blank (BC22980-BLK1)

Prepared & Analyzed: 03/26/2022

n-Hexane	ND	0.352	ug/m ³
o-Xylene	ND	0.434	"
p- & m- Xylenes	ND	0.868	"
p-Ethyltoluene	ND	0.492	"
Propylene	ND	0.172	"
Styrene	ND	0.426	"
Tetrachloroethylene	ND	0.678	"
Tetrahydrofuran	ND	0.590	"
Toluene	ND	0.377	"
trans-1,2-Dichloroethylene	ND	0.396	"
trans-1,3-Dichloropropylene	ND	0.454	"
Trichloroethylene	ND	0.134	"
Trichlorofluoromethane (Freon 11)	ND	0.562	"
Vinyl acetate	ND	0.352	"
Vinyl bromide	ND	0.437	"
Vinyl Chloride	ND	0.128	"

LCS (BC22980-BS1)

Prepared & Analyzed: 03/26/2022

1,1,1,2-Tetrachloroethane	9.89		ppbv	10.0	98.9	70-130	
1,1,1-Trichloroethane	10.9		"	10.0	109	70-130	
1,1,2,2-Tetrachloroethane	9.86		"	10.0	98.6	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1		"	10.0	121	70-130	
1,1,2-Trichloroethane	10.3		"	10.0	103	70-130	
1,1-Dichloroethane	11.3		"	10.0	113	70-130	
1,1-Dichloroethylene	10.2		"	10.0	102	70-130	
1,2,4-Trichlorobenzene	8.93		"	10.0	89.3	70-130	
1,2,4-Trimethylbenzene	8.95		"	10.0	89.5	70-130	
1,2-Dibromoethane	10.3		"	10.0	103	70-130	
1,2-Dichlorobenzene	8.96		"	10.0	89.6	70-130	
1,2-Dichloroethane	9.57		"	10.0	95.7	70-130	
1,2-Dichloropropane	9.56		"	10.0	95.6	70-130	
1,2-Dichlorotetrafluoroethane	13.1		"	10.0	131	70-130	High Bias
1,3,5-Trimethylbenzene	8.92		"	10.0	89.2	70-130	
1,3-Butadiene	11.0		"	10.0	110	70-130	
1,3-Dichlorobenzene	9.16		"	10.0	91.6	70-130	
1,3-Dichloropropane	10.2		"	10.0	102	70-130	
1,4-Dichlorobenzene	9.26		"	10.0	92.6	70-130	
1,4-Dioxane	9.96		"	10.0	99.6	70-130	
2-Butanone	10.1		"	10.0	101	70-130	
2-Hexanone	7.40		"	10.0	74.0	70-130	
3-Chloropropene	10.5		"	10.0	105	70-130	
4-Methyl-2-pentanone	7.70		"	10.0	77.0	70-130	
Acetone	10.6		"	10.0	106	70-130	
Acrylonitrile	9.22		"	10.0	92.2	70-130	
Benzene	11.2		"	10.0	112	70-130	
Benzyl chloride	9.96		"	10.0	99.6	70-130	
Bromodichloromethane	9.67		"	10.0	96.7	70-130	
Bromoform	10.3		"	10.0	103	70-130	
Bromomethane	15.0		"	10.0	150	70-130	High Bias
Carbon disulfide	12.4		"	10.0	124	70-130	
Carbon tetrachloride	10.2		"	10.0	102	70-130	





Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22980 - EPA TO15 PREP

LCS (BC22980-BS1)

Prepared & Analyzed: 03/26/2022

Chlorobenzene	8.78		ppbv	10.0		87.8	70-130				
Chloroethane	15.1		"	10.0		151	70-130	High Bias			
Chloroform	11.0		"	10.0		110	70-130				
Chloromethane	12.1		"	10.0		121	70-130				
cis-1,2-Dichloroethylene	11.2		"	10.0		112	70-130				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Cyclohexane	11.5		"	10.0		115	70-130				
Dibromochloromethane	9.93		"	10.0		99.3	70-130				
Dichlorodifluoromethane	11.5		"	10.0		115	70-130				
Ethyl acetate	9.91		"	10.0		99.1	70-130				
Ethyl Benzene	8.63		"	10.0		86.3	70-130				
Hexachlorobutadiene	9.89		"	10.0		98.9	70-130				
Isopropanol	10.4		"	10.0		104	70-130				
Methyl Methacrylate	10.4		"	10.0		104	70-130				
Methyl tert-butyl ether (MTBE)	9.39		"	10.0		93.9	70-130				
Methylene chloride	10.2		"	10.0		102	70-130				
n-Heptane	10.6		"	10.0		106	70-130				
n-Hexane	11.8		"	10.0		118	70-130				
o-Xylene	8.52		"	10.0		85.2	70-130				
p- & m- Xylenes	17.2		"	20.0		85.8	70-130				
p-Ethyltoluene	9.33		"	10.0		93.3	70-130				
Propylene	11.6		"	10.0		116	70-130				
Styrene	9.30		"	10.0		93.0	70-130				
Tetrachloroethylene	10.5		"	10.0		105	70-130				
Tetrahydrofuran	10.5		"	10.0		105	70-130				
Toluene	9.25		"	10.0		92.5	70-130				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	70-130				
trans-1,3-Dichloropropylene	9.89		"	10.0		98.9	70-130				
Trichloroethylene	8.84		"	10.0		88.4	70-130				
Trichlorofluoromethane (Freon 11)	12.0		"	10.0		120	70-130				
Vinyl acetate	9.84		"	10.0		98.4	70-130				
Vinyl bromide	14.2		"	10.0		142	70-130	High Bias			
Vinyl Chloride	12.0		"	10.0		120	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22980 - EPA TO15 PREP											
Duplicate (BC22980-DUP1)	*Source sample: 22C1239-11 (OA-001)						Prepared: 03/26/2022 Analyzed: 03/27/2022				
1,1,1,2-Tetrachloroethane	ND	0.607	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.482	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.607	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.677	0.677	"		0.677				0.00	25	
1,1,2-Trichloroethane	ND	0.482	"		ND					25	
1,1-Dichloroethane	ND	0.358	"		ND					25	
1,1-Dichloroethylene	ND	0.175	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.656	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.435	"		ND					25	
1,2-Dibromoethane	ND	0.679	"		ND					25	
1,2-Dichlorobenzene	ND	0.531	"		ND					25	
1,2-Dichloroethane	ND	0.358	"		ND					25	
1,2-Dichloropropane	ND	0.408	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.618	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.435	"		ND					25	
1,3-Butadiene	ND	0.587	"		ND					25	
1,3-Dichlorobenzene	ND	0.531	"		ND					25	
1,3-Dichloropropane	ND	0.409	"		ND					25	
1,4-Dichlorobenzene	ND	0.531	"		ND					25	
1,4-Dioxane	ND	0.637	"		ND					25	
2-Butanone	1.07	0.261	"		1.15				7.06	25	
2-Hexanone	ND	0.724	"		ND					25	
3-Chloropropene	ND	1.38	"		ND					25	
4-Methyl-2-pentanone	ND	0.362	"		ND					25	
Acetone	14.5	0.420	"		14.8				1.86	25	
Acrylonitrile	ND	0.192	"		ND					25	
Benzene	0.593	0.282	"		0.593				0.00	25	
Benzyl chloride	ND	0.458	"		ND					25	
Bromodichloromethane	ND	0.592	"		ND					25	
Bromoform	ND	0.914	"		ND					25	
Bromomethane	ND	0.343	"		ND					25	
Carbon disulfide	ND	0.275	"		ND					25	
Carbon tetrachloride	0.389	0.139	"		0.445				13.3	25	
Chlorobenzene	ND	0.407	"		ND					25	
Chloroethane	ND	0.233	"		ND					25	
Chloroform	ND	0.432	"		ND					25	
Chloromethane	1.53	0.183	"		2.03				27.7	25	Non-dir.
cis-1,2-Dichloroethylene	ND	0.175	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.401	"		ND					25	
Cyclohexane	ND	0.304	"		ND					25	
Dibromochloromethane	ND	0.753	"		ND					25	
Dichlorodifluoromethane	2.62	0.437	"		3.63				32.2	25	Non-dir.
Ethyl acetate	ND	0.637	"		ND					25	
Ethyl Benzene	ND	0.384	"		ND					25	
Hexachlorobutadiene	ND	0.943	"		ND					25	
Isopropanol	0.782	0.435	"		0.739				5.71	25	
Methyl Methacrylate	0.398	0.362	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.319	"		ND					25	
Methylene chloride	2.24	0.614	"		2.09				7.09	25	
n-Heptane	ND	0.362	"		ND					25	
n-Hexane	ND	0.312	"		ND					25	



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22980 - EPA TO15 PREP

Duplicate (BC22980-DUP1)		*Source sample: 22C1239-11 (OA-001)					Prepared: 03/26/2022 Analyzed: 03/27/2022				
o-Xylene	ND	0.384	ug/m ³		ND					25	
p- & m- Xylenes	ND	0.768	"		ND					25	
p-Ethyltoluene	ND	0.435	"		ND					25	
Propylene	ND	0.152	"		0.715					25	
Styrene	ND	0.377	"		ND					25	
Tetrachloroethylene	ND	0.600	"		ND					25	
Tetrahydrofuran	ND	0.521	"		ND					25	
Toluene	0.433	0.333	"		0.466				7.41	25	
trans-1,2-Dichloroethylene	ND	0.350	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.401	"		ND					25	
Trichloroethylene	ND	0.119	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.49	0.497	"		1.59				6.45	25	
Vinyl acetate	ND	0.311	"		ND					25	
Vinyl bromide	ND	0.387	"		ND					25	
Vinyl Chloride	ND	0.113	"		ND					25	

Batch BC22981 - EPA TO15 PREP

Blank (BC22981-BLK1)		Prepared: 03/28/2022 Analyzed: 03/29/2022									
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m ³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22981 - EPA TO15 PREP

Blank (BC22981-BLK1)

Prepared: 03/28/2022 Analyzed: 03/29/2022

Carbon tetrachloride	ND	0.157	ug/m ³
Chlorobenzene	ND	0.460	"
Chloroethane	ND	0.264	"
Chloroform	ND	0.488	"
Chloromethane	ND	0.207	"
cis-1,2-Dichloroethylene	ND	0.198	"
cis-1,3-Dichloropropylene	ND	0.454	"
Cyclohexane	ND	0.344	"
Dibromochloromethane	ND	0.852	"
Dichlorodifluoromethane	ND	0.495	"
Ethyl acetate	ND	0.721	"
Ethyl Benzene	ND	0.434	"
Hexachlorobutadiene	ND	1.07	"
Isopropanol	ND	0.492	"
Methyl Methacrylate	ND	0.409	"
Methyl tert-butyl ether (MTBE)	ND	0.361	"
Methylene chloride	ND	0.695	"
n-Heptane	ND	0.410	"
n-Hexane	ND	0.352	"
o-Xylene	ND	0.434	"
p- & m- Xylenes	ND	0.868	"
p-Ethyltoluene	ND	0.492	"
Propylene	ND	0.172	"
Styrene	ND	0.426	"
Tetrachloroethylene	ND	0.678	"
Tetrahydrofuran	ND	0.590	"
Toluene	ND	0.377	"
trans-1,2-Dichloroethylene	ND	0.396	"
trans-1,3-Dichloropropylene	ND	0.454	"
Trichloroethylene	ND	0.134	"
Trichlorofluoromethane (Freon 11)	ND	0.562	"
Vinyl acetate	ND	0.352	"
Vinyl bromide	ND	0.437	"
Vinyl Chloride	ND	0.128	"



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22981 - EPA TO15 PREP											
LCS (BC22981-BS1)						Prepared & Analyzed: 03/28/2022					
1,1,1,2-Tetrachloroethane	9.57		ppbv	10.0		95.7	70-130				
1,1,1-Trichloroethane	10.7		"	10.0		107	70-130				
1,1,2,2-Tetrachloroethane	9.56		"	10.0		95.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	70-130				
1,1,2-Trichloroethane	10.2		"	10.0		102	70-130				
1,1-Dichloroethane	11.3		"	10.0		113	70-130				
1,1-Dichloroethylene	10.0		"	10.0		100	70-130				
1,2,4-Trichlorobenzene	9.08		"	10.0		90.8	70-130				
1,2,4-Trimethylbenzene	8.50		"	10.0		85.0	70-130				
1,2-Dibromoethane	10.1		"	10.0		101	70-130				
1,2-Dichlorobenzene	8.54		"	10.0		85.4	70-130				
1,2-Dichloroethane	9.32		"	10.0		93.2	70-130				
1,2-Dichloropropane	9.33		"	10.0		93.3	70-130				
1,2-Dichlorotetrafluoroethane	12.2		"	10.0		122	70-130				
1,3,5-Trimethylbenzene	8.51		"	10.0		85.1	70-130				
1,3-Butadiene	12.1		"	10.0		121	70-130				
1,3-Dichlorobenzene	8.82		"	10.0		88.2	70-130				
1,3-Dichloropropane	9.98		"	10.0		99.8	70-130				
1,4-Dichlorobenzene	8.98		"	10.0		89.8	70-130				
1,4-Dioxane	10.1		"	10.0		101	70-130				
2-Butanone	10.2		"	10.0		102	70-130				
2-Hexanone	6.84		"	10.0		68.4	70-130	Low Bias			
3-Chloropropene	10.4		"	10.0		104	70-130				
4-Methyl-2-pentanone	7.33		"	10.0		73.3	70-130				
Acetone	10.1		"	10.0		101	70-130				
Acrylonitrile	9.19		"	10.0		91.9	70-130				
Benzene	11.9		"	10.0		119	70-130				
Benzyl chloride	9.37		"	10.0		93.7	70-130				
Bromodichloromethane	9.05		"	10.0		90.5	70-130				
Bromoform	10.1		"	10.0		101	70-130				
Bromomethane	13.0		"	10.0		130	70-130				
Carbon disulfide	13.0		"	10.0		130	70-130				
Carbon tetrachloride	9.82		"	10.0		98.2	70-130				
Chlorobenzene	8.75		"	10.0		87.5	70-130				
Chloroethane	12.8		"	10.0		128	70-130				
Chloroform	11.1		"	10.0		111	70-130				
Chloromethane	12.8		"	10.0		128	70-130				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	70-130				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Cyclohexane	11.8		"	10.0		118	70-130				
Dibromochloromethane	9.58		"	10.0		95.8	70-130				
Dichlorodifluoromethane	10.8		"	10.0		108	70-130				
Ethyl acetate	9.94		"	10.0		99.4	70-130				
Ethyl Benzene	8.49		"	10.0		84.9	70-130				
Hexachlorobutadiene	9.63		"	10.0		96.3	70-130				
Isopropanol	10.6		"	10.0		106	70-130				
Methyl Methacrylate	10.5		"	10.0		105	70-130				
Methyl tert-butyl ether (MTBE)	9.75		"	10.0		97.5	70-130				
Methylene chloride	9.81		"	10.0		98.1	70-130				
n-Heptane	10.6		"	10.0		106	70-130				
n-Hexane	12.1		"	10.0		121	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22981 - EPA TO15 PREP

LCS (BC22981-BS1)

Prepared & Analyzed: 03/28/2022

o-Xylene	8.37		ppbv	10.0		83.7	70-130				
p- & m- Xylenes	16.8		"	20.0		84.0	70-130				
p-Ethyltoluene	9.09		"	10.0		90.9	70-130				
Propylene	10.4		"	10.0		104	70-130				
Styrene	9.25		"	10.0		92.5	70-130				
Tetrachloroethylene	10.4		"	10.0		104	70-130				
Tetrahydrofuran	10.9		"	10.0		109	70-130				
Toluene	9.33		"	10.0		93.3	70-130				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	70-130				
trans-1,3-Dichloropropylene	9.60		"	10.0		96.0	70-130				
Trichloroethylene	8.66		"	10.0		86.6	70-130				
Trichlorofluoromethane (Freon 11)	10.9		"	10.0		109	70-130				
Vinyl acetate	9.57		"	10.0		95.7	70-130				
Vinyl bromide	13.0		"	10.0		130	70-130				
Vinyl Chloride	13.3		"	10.0		133	70-130	High Bias			

Duplicate (BC22981-DUP1)

*Source sample: 22C1378-03 (Duplicate)

Prepared: 03/28/2022 Analyzed: 03/29/2022

1,1,1,2-Tetrachloroethane	ND	1.27	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	1.01	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.27	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.42	"		ND					25	
1,1,2-Trichloroethane	ND	1.01	"		ND					25	
1,1-Dichloroethane	ND	0.750	"		ND					25	
1,1-Dichloroethylene	ND	0.368	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.38	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.911	"		ND					25	
1,2-Dibromoethane	ND	1.42	"		ND					25	
1,2-Dichlorobenzene	ND	1.11	"		ND					25	
1,2-Dichloroethane	ND	0.750	"		ND					25	
1,2-Dichloropropane	ND	0.857	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.30	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.911	"		ND					25	
1,3-Butadiene	ND	1.23	"		ND					25	
1,3-Dichlorobenzene	ND	1.11	"		ND					25	
1,3-Dichloropropane	ND	0.857	"		ND					25	
1,4-Dichlorobenzene	ND	1.11	"		ND					25	
1,4-Dioxane	ND	1.34	"		ND					25	
2-Butanone	1.09	0.547	"		1.26				14.0	25	
2-Hexanone	ND	1.52	"		ND					25	
3-Chloropropene	ND	2.90	"		ND					25	
4-Methyl-2-pentanone	ND	0.759	"		ND					25	
Acetone	24.9	0.881	"		28.2				12.3	25	
Acrylonitrile	ND	0.402	"		ND					25	
Benzene	1.01	0.592	"		0.948				6.06	25	
Benzyl chloride	ND	0.960	"		ND					25	
Bromodichloromethane	ND	1.24	"		ND					25	
Bromoform	ND	1.92	"		ND					25	
Bromomethane	ND	0.720	"		ND					25	
Carbon disulfide	ND	0.577	"		ND					25	
Carbon tetrachloride	0.467	0.292	"		0.350				28.6	25	Non-dir.
Chlorobenzene	ND	0.854	"		ND					25	





Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22981 - EPA TO15 PREP

Duplicate (BC22981-DUP1)		*Source sample: 22C1378-03 (Duplicate)				Prepared: 03/28/2022 Analyzed: 03/29/2022					
Chloroethane	ND	0.489	ug/m ³		ND					25	
Chloroform	ND	0.905	"		ND					25	
Chloromethane	1.95	0.383	"		1.95				0.00	25	
cis-1,2-Dichloroethylene	ND	0.368	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.841	"		ND					25	
Cyclohexane	ND	0.638	"		ND					25	
Dibromochloromethane	ND	1.58	"		ND					25	
Dichlorodifluoromethane	2.93	0.917	"		2.75				6.45	25	
Ethyl acetate	0.868	1.34	"		0.735				16.7	25	
Ethyl Benzene	ND	0.805	"		ND					25	
Hexachlorobutadiene	ND	1.98	"		ND					25	
Isopropanol	70.1	0.911	"		80.6				14.0	25	
Methyl Methacrylate	0.835	0.759	"		0.531				44.4	25	Non-dir.
Methyl tert-butyl ether (MTBE)	ND	0.668	"		ND					25	
Methylene chloride	5.09	1.29	"		5.60				9.64	25	
n-Heptane	0.456	0.760	"		0.380				18.2	25	
n-Hexane	ND	0.653	"		ND					25	
o-Xylene	0.322	0.805	"		0.322				0.00	25	
p- & m- Xylenes	ND	1.61	"		ND					25	
p-Ethyltoluene	ND	0.911	"		ND					25	
Propylene	ND	0.319	"		2.87					25	
Styrene	ND	0.790	"		ND					25	
Tetrachloroethylene	ND	1.26	"		ND					25	
Tetrahydrofuran	ND	1.09	"		ND					25	
Toluene	1.26	0.699	"		1.26				0.00	25	
trans-1,2-Dichloroethylene	ND	0.735	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.841	"		ND					25	
Trichloroethylene	ND	0.249	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.35	1.04	"		1.46				7.41	25	
Vinyl acetate	ND	0.653	"		ND					25	
Vinyl bromide	ND	0.811	"		ND					25	
Vinyl Chloride	ND	0.237	"		ND					25	





Sample and Data Qualifiers Relating to This Work Order

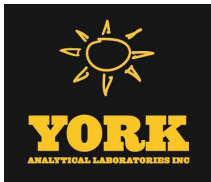
TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
TO-LCS-L	The result reported for this compound may be biased low due to its behavior in the analysis batch LCS where it recovered less than 70% of the expected value.
TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.



2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615



clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No.

22C1239

Your

Page 1 of 2

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Signature binds you to YORK's Standard Terms & Conditions.

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Address:	Company:	Address:	Company:	Address:	FAY 2101		RUSH - Next Day	
Phone:	Phone:	Address:		Address:		YOUR Project Name		RUSH - Two Day	
Contact:	Contact:	Address:		Address:		434 RIVERVIEW AVE, 1		RUSH - Three Day	
Email:	Email:	Address:		Address:		YANKERS		RUSH - Four Day	
MICHAEL GEE		Address:		Address:		YOUR PO#:		Standard (5-7 Day)	

Air Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
AI - Indoor Ambient Air	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)		
AO - Outdoor Amb. Air	New Jersey	QA Report	CT RCP DQA/DUE	EquiS (Standard)			
AE - Vapor Extraction Well/Process Gas/Effluent	Connecticut	NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQUiS			
AS - Soil Vapor/Sub-Slab	Pennsylvania	NY ASP B Package	NJDKOP	NJDEP SRP HazSite			
Other:							

Please enter the following REQUIRED Field Data				Reporting Units: ug/m ³ ppbv ppmv	
Certified Canisters: Batch	Individual	Sample Identification	Date/Time Sampled	Canister ID	Analysis Requested
SU - EL vent	03/22/22 13:06	AS	30.0	20944	TO-15
AX - GLUE	13:10	AI	30.0	17340	TO-15 SIM
SV - DELI	13:19	AS	30.0	18249	TO-15
AA - DELI	13:20	AI	30.0	41937	TO-15 SIM
SV - Supermarket	13:30	AS	30.0	23945	TO-15
AA - Supermarket	13:30	AI	30.0	28845	TO-15 SIM
SV - Lumbermart East	13:40	AS	30.0	20744	TO-15
AA - Lumbermart East	13:41	AI	30.0	30689	TO-15 SIM
SV - Lumbermart West	13:44	AS	30.0	37747	TO-15
AA - Lumbermart West	13:45	AI	30.0	17349	TO-15 SIM

Comments:		Detection Limits Required		Sampling Media	
		≤ 1 ug/m ³ Routine Survey		6 Liter Canister	
		NYSDEC V1 Limits		Tedlar Bag	
		Other		Date/Time	

Samples Relinquished by / Company		Date/Time		Samples Relinquished by / Company		Date/Time	
DANIELLE DULLIGAN		03/22/22 15:07		Andrew S. York		3/22/22	
Samples Received by / Company		Date/Time		Samples Received by / Company		Date/Time	
Samples Relinquished by / Company		Date/Time		Samples Received in LAB by		Date/Time	
				Adewunmi Camodoss		03/23/22 12:21	

Field Chain-of-Custody Record - AIR

YORK Project No. 22C1239

This document serves as your written authorization for YORK to proceed with the analyses requested below.

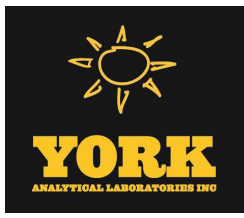
signature binds you to YORK's Standard Terms & Conditions.

ization for YORK to proceed with the analyses requested below.
signature binds you to YORK's Standard Terms & Conditions.

Your

Page 2 of 2

[illegible]



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Avenue, Suite 7

Bohemia NY, 11716

Attention: Michael Gaul

Report Date: 03/28/2022

Client Project ID: FAY2101

York Project (SDG) No.: 22C1250



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/28/2022
Client Project ID: FAY2101
York Project (SDG) No.: 22C1250

P.W. Grosser Consulting
630 Johnson Avenue, Suite 7
Bohemia NY, 11716
Attention: Michael Gaul

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 22, 2022 and listed below. The project was identified as your project: **FAY2101**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
22C1250-01	EB	Water	03/21/2022	03/22/2022
22C1250-02	TB	Water	03/21/2022	03/22/2022
22C1250-03	MW001	Water	03/21/2022	03/22/2022
22C1250-04	MW002	Water	03/21/2022	03/22/2022
22C1250-05	MW003	Water	03/21/2022	03/22/2022
22C1250-06	MW004	Water	03/21/2022	03/22/2022
22C1250-07	MW005	Water	03/21/2022	03/22/2022
22C1250-08	MW006	Water	03/21/2022	03/22/2022
22C1250-09	DUP	Water	03/21/2022	03/22/2022

General Notes for York Project (SDG) No.: 22C1250

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 03/28/2022





Sample Information

Client Sample ID: EB

York Sample ID: 22C1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG



Sample Information

Client Sample ID: EB

York Sample ID: 22C1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

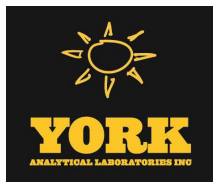
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG



Sample Information

Client Sample ID: EB

York Sample ID: 22C1250-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 16:18	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 16:18	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG



Sample Information

Client Sample ID: EB

York Sample ID: 22C1250-01

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 3:00 pm

Date Received
03/22/2022

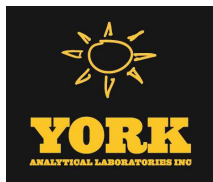
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:18	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:34	03/24/2022 16:18	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	79-122								



Sample Information

Client Sample ID: TB

York Sample ID: 22C1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
78-93-3	2-Butanone	2.76	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG



Sample Information

Client Sample ID: TB

York Sample ID: 22C1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	0.540	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
67-64-1	Acetone	3.47		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG



Sample Information

Client Sample ID: TB

York Sample ID: 22C1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

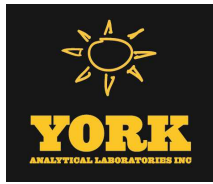
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2022 06:26	03/25/2022 14:03	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2022 06:26	03/25/2022 14:03	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG



Sample Information

Client Sample ID: TB

York Sample ID: 22C1250-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 14:03	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:26	03/25/2022 14:03	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.9 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	79-122								



Sample Information

Client Sample ID: MW001

York Sample ID: 22C1250-03

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 3:30 pm

Date Received
03/22/2022

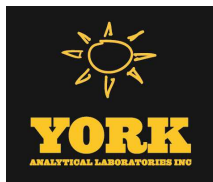
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
78-93-3	2-Butanone	0.300	Cal-E, J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG



Sample Information

Client Sample ID: MW001

York Sample ID: 22C1250-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:30 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
67-66-3	Chloroform	0.430	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG



Sample Information

Client Sample ID: MW001

York Sample ID: 22C1250-03

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 3:30 pm

Date Received
03/22/2022

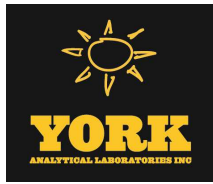
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 16:45	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 16:45	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG



Sample Information

Client Sample ID: MW001

York Sample ID: 22C1250-03

York Project (SDG) No.

22C1250

Client Project ID

FAY2101

Matrix

Water

Collection Date/Time

March 21, 2022 3:30 pm

Date Received

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 16:45	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:34	03/24/2022 16:45	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.9 %	79-122								



Sample Information

Client Sample ID: MW002

York Sample ID: 22C1250-04

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 3:00 pm

Date Received
03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG



Sample Information

Client Sample ID: MW002

York Sample ID: 22C1250-04

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 3:00 pm

Date Received
03/22/2022

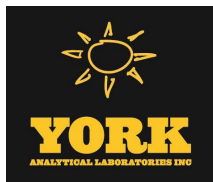
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
67-66-3	Chloroform	0.490	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG



Sample Information

Client Sample ID: MW002

York Sample ID: 22C1250-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 17:12	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 17:12	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
127-18-4	Tetrachloroethylene	0.260	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG



Sample Information

Client Sample ID: MW002

York Sample ID: 22C1250-04

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 3:00 pm

Date Received
03/22/2022

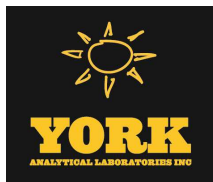
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:12	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:34	03/24/2022 17:12	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122								



Sample Information

Client Sample ID: MW003

York Sample ID: 22C1250-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 12:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG





Sample Information

Client Sample ID: MW003

York Sample ID: 22C1250-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 12:00 pm

03/22/2022

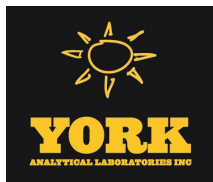
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
67-66-3	Chloroform	1.04		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
156-59-2	cis-1,2-Dichloroethylene	48.6		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG



Sample Information

Client Sample ID: MW003

York Sample ID: 22C1250-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 12:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 17:40	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 17:40	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
127-18-4	Tetrachloroethylene	32.1		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
156-60-5	trans-1,2-Dichloroethylene	0.570		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG



Sample Information

Client Sample ID: MW003

York Sample ID: 22C1250-05

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 12:00 pm

Date Received
03/22/2022

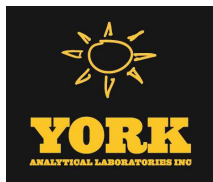
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
79-01-6	Trichloroethylene	7.38		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 17:40	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:34	03/24/2022 17:40	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: MW004

York Sample ID: 22C1250-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 11:00 am

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
78-93-3	2-Butanone	0.280	Cal-E, J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG



Sample Information

Client Sample ID: MW004

York Sample ID: 22C1250-06

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 11:00 am

Date Received
03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
67-66-3	Chloroform	1.10		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
156-59-2	cis-1,2-Dichloroethylene	3.94		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG



Sample Information

Client Sample ID: MW004

York Sample ID: 22C1250-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 11:00 am

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 18:07	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 18:07	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
127-18-4	Tetrachloroethylene	0.670		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
156-60-5	trans-1,2-Dichloroethylene	3.22		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG



Sample Information

Client Sample ID: MW004

York Sample ID: 22C1250-06

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 11:00 am

Date Received
03/22/2022

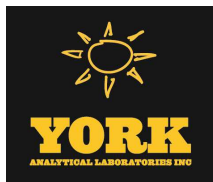
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
79-01-6	Trichloroethylene	1.03		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:07	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:34	03/24/2022 18:07	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: MW005

York Sample ID: 22C1250-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 4:30 pm

03/22/2022

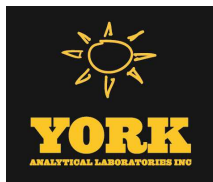
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
78-93-3	2-Butanone	1.38	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG



Sample Information

Client Sample ID: MW005

York Sample ID: 22C1250-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 4:30 pm

03/22/2022

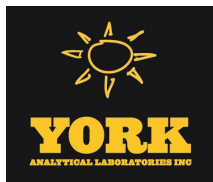
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	0.200	Cal-E, J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
67-64-1	Acetone	1.58	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
67-66-3	Chloroform	0.660		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG



Sample Information

Client Sample ID: MW005

York Sample ID: 22C1250-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 4:30 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 18:35	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 18:35	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
127-18-4	Tetrachloroethylene	0.400	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG



Sample Information

Client Sample ID: MW005

York Sample ID: 22C1250-07

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 4:30 pm

Date Received
03/22/2022

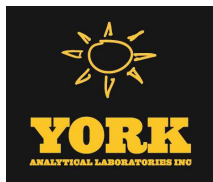
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 18:35	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:34	03/24/2022 18:35	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: MW006

York Sample ID: 22C1250-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 2:15 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG



Sample Information

Client Sample ID: MW006

York Sample ID: 22C1250-08

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 2:15 pm

Date Received
03/22/2022

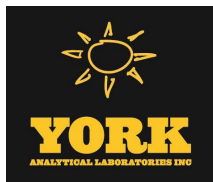
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
67-64-1	Acetone	1.30	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
67-66-3	Chloroform	0.320	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG



Sample Information

Client Sample ID: MW006

York Sample ID: 22C1250-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 2:15 pm

03/22/2022

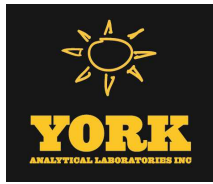
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 19:02	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 19:02	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
127-18-4	Tetrachloroethylene	0.510		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG



Sample Information

Client Sample ID: MW006

York Sample ID: 22C1250-08

York Project (SDG) No.

22C1250

Client Project ID

FAY2101

Matrix

Water

Collection Date/Time

March 21, 2022 2:15 pm

Date Received

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:02	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:34	03/24/2022 19:02	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	79-122								



Sample Information

Client Sample ID: DUP

York Sample ID: 22C1250-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
78-93-3	2-Butanone	1.16	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG



Sample Information

Client Sample ID: DUP

York Sample ID: 22C1250-09

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 3:00 pm

Date Received
03/22/2022

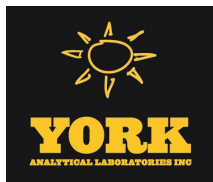
Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
67-64-1	Acetone	1.56	J	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
67-66-3	Chloroform	0.380	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG



Sample Information

Client Sample ID: DUP

York Sample ID: 22C1250-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1250

FAY2101

Water

March 21, 2022 3:00 pm

03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 19:30	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 19:30	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG



Sample Information

Client Sample ID: DUP

York Sample ID: 22C1250-09

York Project (SDG) No.
22C1250

Client Project ID
FAY2101

Matrix
Water

Collection Date/Time
March 21, 2022 3:00 pm

Date Received
03/22/2022

Volatile Organics, 8260 Low Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:30	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:34	03/24/2022 19:30	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	79-122								



Analytical Batch Summary

Batch ID: BC22848

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1250-01	EB	03/24/22
22C1250-03	MW001	03/24/22
22C1250-04	MW002	03/24/22
22C1250-05	MW003	03/24/22
22C1250-06	MW004	03/24/22
22C1250-07	MW005	03/24/22
22C1250-08	MW006	03/24/22
22C1250-09	DUP	03/24/22
BC22848-BLK1	Blank	03/24/22
BC22848-BS1	LCS	03/24/22
BC22848-BSD1	LCS Dup	03/24/22
BC22848-MS1	Matrix Spike	03/24/22
BC22848-MSD1	Matrix Spike Dup	03/24/22

Batch ID: BC22933

Preparation Method: EPA 5030B

Prepared By: JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1250-02	TB	03/25/22
BC22933-BLK1	Blank	03/25/22
BC22933-BS1	LCS	03/25/22
BC22933-BSD1	LCS Dup	03/25/22



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22848 - EPA 5030B

Blank (BC22848-BLK1)

Prepared & Analyzed: 03/24/2022

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,3-Dichloropropane	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2-Butanone	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	0.500	"
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22848 - EPA 5030B

Blank (BC22848-BLK1)

Prepared & Analyzed: 03/24/2022

Methylene chloride	1.13	2.00	ug/L
Naphthalene	ND	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
p-Diethylbenzene	ND	0.500	"
p-Ethyltoluene	ND	0.500	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Butyl alcohol (TBA)	ND	1.00	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: SURR: 1,2-Dichloroethane-d4

10.2

"

10.0

102

69-130

Surrogate: SURR: Toluene-d8

10.0

"

10.0

100

81-117

Surrogate: SURR: p-Bromofluorobenzene

10.4

"

10.0

104

79-122

LCS (BC22848-BS1)

Prepared & Analyzed: 03/24/2022

1,1,1,2-Tetrachloroethane	8.87		ug/L	10.0	88.7	82-126	
1,1,1-Trichloroethane	8.82		"	10.0	88.2	78-136	
1,1,2,2-Tetrachloroethane	8.60		"	10.0	86.0	76-129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.42		"	10.0	94.2	54-165	
1,1,2-Trichloroethane	8.14		"	10.0	81.4	82-123	Low Bias
1,1-Dichloroethane	9.12		"	10.0	91.2	82-129	
1,1-Dichloroethylene	9.72		"	10.0	97.2	68-138	
1,2,3-Trichlorobenzene	7.44		"	10.0	74.4	76-136	Low Bias
1,2,3-Trichloropropane	8.35		"	10.0	83.5	77-128	
1,2,4-Trichlorobenzene	8.07		"	10.0	80.7	76-137	
1,2,4-Trimethylbenzene	9.04		"	10.0	90.4	82-132	
1,2-Dibromo-3-chloropropane	6.41		"	10.0	64.1	45-147	
1,2-Dibromoethane	8.21		"	10.0	82.1	83-124	Low Bias
1,2-Dichlorobenzene	9.10		"	10.0	91.0	79-123	
1,2-Dichloroethane	8.97		"	10.0	89.7	73-132	
1,2-Dichloropropane	9.75		"	10.0	97.5	78-126	
1,3,5-Trimethylbenzene	9.14		"	10.0	91.4	80-131	
1,3-Dichlorobenzene	8.77		"	10.0	87.7	86-122	
1,3-Dichloropropane	8.44		"	10.0	84.4	81-125	
1,4-Dichlorobenzene	8.88		"	10.0	88.8	85-124	
1,4-Dioxane	187		"	210	89.0	10-349	
2-Butanone	8.55		"	10.0	85.5	49-152	
2-Hexanone	8.95		"	10.0	89.5	51-146	
4-Methyl-2-pentanone	8.90		"	10.0	89.0	57-145	
Acetone	8.25		"	10.0	82.5	14-150	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22848 - EPA 5030B

LCS (BC22848-BS1)

Prepared & Analyzed: 03/24/2022

Acrolein	4.78		ug/L	10.0		47.8	10-153				
Acrylonitrile	8.34		"	10.0		83.4	51-150				
Benzene	8.86		"	10.0		88.6	85-126				
Bromochloromethane	9.41		"	10.0		94.1	77-128				
Bromodichloromethane	8.58		"	10.0		85.8	79-128				
Bromoform	8.53		"	10.0		85.3	78-133				
Bromomethane	10.0		"	10.0		100	43-168				
Carbon disulfide	8.53		"	10.0		85.3	68-146				
Carbon tetrachloride	9.24		"	10.0		92.4	77-141				
Chlorobenzene	9.27		"	10.0		92.7	88-120				
Chloroethane	10.5		"	10.0		105	65-136				
Chloroform	8.91		"	10.0		89.1	82-128				
Chloromethane	11.4		"	10.0		114	43-155				
cis-1,2-Dichloroethylene	9.21		"	10.0		92.1	83-129				
cis-1,3-Dichloropropylene	8.69		"	10.0		86.9	80-131				
Cyclohexane	7.18		"	10.0		71.8	63-149				
Dibromochloromethane	7.99		"	10.0		79.9	80-130	Low Bias			
Dibromomethane	8.34		"	10.0		83.4	72-134				
Dichlorodifluoromethane	12.4		"	10.0		124	44-144				
Ethyl Benzene	9.71		"	10.0		97.1	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	9.52		"	10.0		95.2	76-140				
Methyl acetate	8.45		"	10.0		84.5	51-139				
Methyl tert-butyl ether (MTBE)	8.21		"	10.0		82.1	76-135				
Methylcyclohexane	9.34		"	10.0		93.4	72-143				
Methylene chloride	9.47		"	10.0		94.7	55-137				
Naphthalene	7.36		"	10.0		73.6	70-147				
n-Butylbenzene	9.89		"	10.0		98.9	79-132				
n-Propylbenzene	9.71		"	10.0		97.1	78-133				
o-Xylene	9.55		"	10.0		95.5	78-130				
p- & m- Xylenes	16.6		"	20.0		82.9	77-133				
p-Diethylbenzene	9.21		"	10.0		92.1	84-134				
p-Ethyltoluene	10.3		"	10.0		103	88-129				
p-Isopropyltoluene	9.34		"	10.0		93.4	81-136				
sec-Butylbenzene	9.38		"	10.0		93.8	79-137				
Styrene	9.12		"	10.0		91.2	67-132				
tert-Butyl alcohol (TBA)	38.0		"	50.0		76.0	25-162				
tert-Butylbenzene	7.46		"	10.0		74.6	77-138	Low Bias			
Tetrachloroethylene	9.09		"	10.0		90.9	82-131				
Toluene	9.24		"	10.0		92.4	80-127				
trans-1,2-Dichloroethylene	9.31		"	10.0		93.1	80-132				
trans-1,3-Dichloropropylene	8.50		"	10.0		85.0	78-131				
Trichloroethylene	8.72		"	10.0		87.2	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	12.7		"	10.0		127	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	9.98		"	10.0		99.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				





Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22848 - EPA 5030B											
LCS Dup (BC22848-BSD1)						Prepared & Analyzed: 03/24/2022					
1,1,1,2-Tetrachloroethane	8.77		ug/L	10.0		87.7	82-126		1.13	30	
1,1,1-Trichloroethane	8.48		"	10.0		84.8	78-136		3.93	30	
1,1,2,2-Tetrachloroethane	8.61		"	10.0		86.1	76-129		0.116	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.89		"	10.0		88.9	54-165		5.79	30	
1,1,2-Trichloroethane	8.30		"	10.0		83.0	82-123		1.95	30	
1,1-Dichloroethane	8.90		"	10.0		89.0	82-129		2.44	30	
1,1-Dichloroethylene	9.18		"	10.0		91.8	68-138		5.71	30	
1,2,3-Trichlorobenzene	7.66		"	10.0		76.6	76-136		2.91	30	
1,2,3-Trichloropropane	8.43		"	10.0		84.3	77-128		0.954	30	
1,2,4-Trichlorobenzene	7.96		"	10.0		79.6	76-137		1.37	30	
1,2,4-Trimethylbenzene	8.54		"	10.0		85.4	82-132		5.69	30	
1,2-Dibromo-3-chloropropane	7.90		"	10.0		79.0	45-147		20.8	30	
1,2-Dibromoethane	8.51		"	10.0		85.1	83-124		3.59	30	
1,2-Dichlorobenzene	8.78		"	10.0		87.8	79-123		3.58	30	
1,2-Dichloroethane	9.01		"	10.0		90.1	73-132		0.445	30	
1,2-Dichloropropane	9.60		"	10.0		96.0	78-126		1.55	30	
1,3,5-Trimethylbenzene	8.58		"	10.0		85.8	80-131		6.32	30	
1,3-Dichlorobenzene	8.32		"	10.0		83.2	86-122	Low Bias	5.27	30	
1,3-Dichloropropane	8.60		"	10.0		86.0	81-125		1.88	30	
1,4-Dichlorobenzene	8.48		"	10.0		84.8	85-124	Low Bias	4.61	30	
1,4-Dioxane	196		"	210		93.6	10-349		4.96	30	
2-Butanone	8.88		"	10.0		88.8	49-152		3.79	30	
2-Hexanone	9.27		"	10.0		92.7	51-146		3.51	30	
4-Methyl-2-pentanone	9.45		"	10.0		94.5	57-145		5.99	30	
Acetone	8.83		"	10.0		88.3	14-150		6.79	30	
Acrolein	4.97		"	10.0		49.7	10-153		3.90	30	
Acrylonitrile	8.76		"	10.0		87.6	51-150		4.91	30	
Benzene	8.59		"	10.0		85.9	85-126		3.09	30	
Bromochloromethane	9.25		"	10.0		92.5	77-128		1.71	30	
Bromodichloromethane	8.49		"	10.0		84.9	79-128		1.05	30	
Bromoform	8.92		"	10.0		89.2	78-133		4.47	30	
Bromomethane	9.41		"	10.0		94.1	43-168		6.38	30	
Carbon disulfide	8.00		"	10.0		80.0	68-146		6.41	30	
Carbon tetrachloride	8.84		"	10.0		88.4	77-141		4.42	30	
Chlorobenzene	9.06		"	10.0		90.6	88-120		2.29	30	
Chloroethane	9.84		"	10.0		98.4	65-136		6.49	30	
Chloroform	8.68		"	10.0		86.8	82-128		2.62	30	
Chloromethane	10.2		"	10.0		102	43-155		11.3	30	
cis-1,2-Dichloroethylene	8.92		"	10.0		89.2	83-129		3.20	30	
cis-1,3-Dichloropropylene	8.66		"	10.0		86.6	80-131		0.346	30	
Cyclohexane	6.84		"	10.0		68.4	63-149		4.85	30	
Dibromochloromethane	8.14		"	10.0		81.4	80-130		1.86	30	
Dibromomethane	8.51		"	10.0		85.1	72-134		2.02	30	
Dichlorodifluoromethane	11.2		"	10.0		112	44-144		9.73	30	
Ethyl Benzene	9.40		"	10.0		94.0	80-131		3.24	30	
Hexachlorobutadiene	10.3		"	10.0		103	67-146		1.86	30	
Isopropylbenzene	8.85		"	10.0		88.5	76-140		7.29	30	
Methyl acetate	8.66		"	10.0		86.6	51-139		2.45	30	
Methyl tert-butyl ether (MTBE)	8.43		"	10.0		84.3	76-135		2.64	30	
Methyleyclohexane	9.00		"	10.0		90.0	72-143		3.71	30	
Methylene chloride	9.60		"	10.0		96.0	55-137		1.36	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22848 - EPA 5030B

LCS Dup (BC22848-BSD1)

Prepared & Analyzed: 03/24/2022

Naphthalene	7.48		ug/L	10.0		74.8	70-147		1.62	30	
n-Butylbenzene	9.30		"	10.0		93.0	79-132		6.15	30	
n-Propylbenzene	9.05		"	10.0		90.5	78-133		7.04	30	
o-Xylene	9.33		"	10.0		93.3	78-130		2.33	30	
p- & m- Xylenes	16.1		"	20.0		80.6	77-133		2.81	30	
p-Diethylbenzene	8.69		"	10.0		86.9	84-134		5.81	30	
p-Ethyltoluene	9.61		"	10.0		96.1	88-129		6.93	30	
p-Isopropyltoluene	8.75		"	10.0		87.5	81-136		6.52	30	
sec-Butylbenzene	8.75		"	10.0		87.5	79-137		6.95	30	
Styrene	8.95		"	10.0		89.5	67-132		1.88	30	
tert-Butyl alcohol (TBA)	41.8		"	50.0		83.5	25-162		9.40	30	
tert-Butylbenzene	6.97		"	10.0		69.7	77-138	Low Bias	6.79	30	
Tetrachloroethylene	8.70		"	10.0		87.0	82-131		4.38	30	
Toluene	8.97		"	10.0		89.7	80-127		2.97	30	
trans-1,2-Dichloroethylene	8.93		"	10.0		89.3	80-132		4.17	30	
trans-1,3-Dichloropropylene	8.62		"	10.0		86.2	78-131		1.40	30	
Trichloroethylene	8.38		"	10.0		83.8	82-128		3.98	30	
Trichlorofluoromethane	10.0		"	10.0		100	67-139		7.67	30	
Vinyl Chloride	11.5		"	10.0		115	58-145		9.74	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.76		"	10.0		97.6	79-122				

Matrix Spike (BC22848-MS1)

*Source sample: 22C1250-04 (MW002)

Prepared & Analyzed: 03/24/2022

1,1,1,2-Tetrachloroethane	7.86		ug/L	10.0	0.00	78.6	45-161				
1,1,1-Trichloroethane	8.22		"	10.0	0.00	82.2	70-146				
1,1,2,2-Tetrachloroethane	8.38		"	10.0	0.00	83.8	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.67		"	10.0	0.00	86.7	21-217				
1,1,2-Trichloroethane	7.52		"	10.0	0.00	75.2	59-146				
1,1-Dichloroethane	8.39		"	10.0	0.00	83.9	54-146				
1,1-Dichloroethylene	9.13		"	10.0	0.00	91.3	44-165				
1,2,3-Trichlorobenzene	6.91		"	10.0	0.00	69.1	40-161				
1,2,3-Trichloropropane	7.60		"	10.0	0.00	76.0	74-127				
1,2,4-Trichlorobenzene	7.28		"	10.0	0.00	72.8	41-161				
1,2,4-Trimethylbenzene	7.98		"	10.0	0.00	79.8	72-129				
1,2-Dibromo-3-chloropropane	5.88		"	10.0	0.00	58.8	31-151				
1,2-Dibromoethane	7.56		"	10.0	0.00	75.6	75-125				
1,2-Dichlorobenzene	7.89		"	10.0	0.00	78.9	63-122				
1,2-Dichloroethane	8.32		"	10.0	0.00	83.2	68-131				
1,2-Dichloropropane	9.11		"	10.0	0.00	91.1	77-121				
1,3,5-Trimethylbenzene	8.28		"	10.0	0.00	82.8	69-126				
1,3-Dichlorobenzene	7.55		"	10.0	0.00	75.5	74-119				
1,3-Dichloropropane	7.83		"	10.0	0.00	78.3	77-119				
1,4-Dichlorobenzene	7.62		"	10.0	0.00	76.2	70-124				
1,4-Dioxane	179		"	210	0.00	85.2	10-310				
2-Butanone	8.20		"	10.0	0.00	82.0	10-193				
2-Hexanone	8.58		"	10.0	0.00	85.8	53-133				
4-Methyl-2-pentanone	8.71		"	10.0	0.00	87.1	38-150				
Acetone	8.63		"	10.0	0.760	78.7	13-149				
Acrolein	4.03		"	10.0	0.00	40.3	10-195				
Acrylonitrile	7.50		"	10.0	0.00	75.0	37-165				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22848 - EPA 5030B											
Matrix Spike (BC22848-MS1)	*Source sample: 22C1250-04 (MW002)						Prepared & Analyzed: 03/24/2022				
Benzene	8.11		ug/L	10.0	0.00	81.1	38-155				
Bromochloromethane	8.49		"	10.0	0.00	84.9	75-121				
Bromodichloromethane	7.78		"	10.0	0.00	77.8	70-129				
Bromoform	7.32		"	10.0	0.00	73.2	66-136				
Bromomethane	3.95		"	10.0	0.00	39.5	30-158				
Carbon disulfide	7.72		"	10.0	0.00	77.2	10-138				
Carbon tetrachloride	8.55		"	10.0	0.00	85.5	71-146				
Chlorobenzene	8.44		"	10.0	0.00	84.4	81-117				
Chloroethane	9.43		"	10.0	0.00	94.3	51-145				
Chloroform	8.60		"	10.0	0.490	81.1	80-124				
Chloromethane	9.66		"	10.0	0.00	96.6	16-163				
cis-1,2-Dichloroethylene	8.35		"	10.0	0.00	83.5	76-125				
cis-1,3-Dichloropropylene	7.73		"	10.0	0.00	77.3	58-131				
Cyclohexane	6.87		"	10.0	0.00	68.7	70-130	Low Bias			
Dibromochloromethane	7.17		"	10.0	0.00	71.7	71-129				
Dibromomethane	7.65		"	10.0	0.00	76.5	76-120				
Dichlorodifluoromethane	10.2		"	10.0	0.00	102	30-147				
Ethyl Benzene	9.04		"	10.0	0.00	90.4	72-128				
Hexachlorobutadiene	10.1		"	10.0	0.00	101	34-166				
Isopropylbenzene	8.37		"	10.0	0.00	83.7	66-139				
Methyl acetate	7.32		"	10.0	0.00	73.2	10-200				
Methyl tert-butyl ether (MTBE)	7.44		"	10.0	0.00	74.4	75-128	Low Bias			
Methylcyclohexane	8.71		"	10.0	0.00	87.1	70-130				
Methylene chloride	8.97		"	10.0	0.700	82.7	57-128				
Naphthalene	6.96		"	10.0	0.00	69.6	39-158				
n-Butylbenzene	8.73		"	10.0	0.00	87.3	61-138				
n-Propylbenzene	8.92		"	10.0	0.00	89.2	66-134				
o-Xylene	8.84		"	10.0	0.00	88.4	69-126				
p- & m- Xylenes	15.3		"	20.0	0.00	76.6	67-130				
p-Diethylbenzene	8.17		"	10.0	0.00	81.7	52-150				
p-Ethyltoluene	9.19		"	10.0	0.00	91.9	76-127				
p-Isopropyltoluene	8.20		"	10.0	0.00	82.0	64-137				
sec-Butylbenzene	8.41		"	10.0	0.00	84.1	53-155				
Styrene	8.14		"	10.0	0.00	81.4	69-125				
tert-Butyl alcohol (TBA)	48.8		"	50.0	0.00	97.7	10-130				
tert-Butylbenzene	6.64		"	10.0	0.00	66.4	65-139				
Tetrachloroethylene	8.79		"	10.0	0.260	85.3	64-139				
Toluene	8.59		"	10.0	0.00	85.9	76-123				
trans-1,2-Dichloroethylene	8.64		"	10.0	0.00	86.4	79-131				
trans-1,3-Dichloropropylene	7.59		"	10.0	0.00	75.9	55-130				
Trichloroethylene	8.15		"	10.0	0.00	81.5	53-145				
Trichlorofluoromethane	9.88		"	10.0	0.00	98.8	61-142				
Vinyl Chloride	11.4		"	10.0	0.00	114	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.73		"	10.0		97.3	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22848 - EPA 5030B											
Matrix Spike Dup (BC22848-MSD1)		*Source sample: 22C1250-04 (MW002)					Prepared & Analyzed: 03/24/2022				
1,1,1,2-Tetrachloroethane	8.37		ug/L	10.0	0.00	83.7	45-161		6.28	30	
1,1,1-Trichloroethane	8.65		"	10.0	0.00	86.5	70-146		5.10	30	
1,1,2,2-Tetrachloroethane	8.37		"	10.0	0.00	83.7	74-121		0.119	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.10		"	10.0	0.00	91.0	21-217		4.84	30	
1,1,2-Trichloroethane	7.91		"	10.0	0.00	79.1	59-146		5.06	30	
1,1-Dichloroethane	8.85		"	10.0	0.00	88.5	54-146		5.34	30	
1,1-Dichloroethylene	9.56		"	10.0	0.00	95.6	44-165		4.60	30	
1,2,3-Trichlorobenzene	7.28		"	10.0	0.00	72.8	40-161		5.21	30	
1,2,3-Trichloropropane	7.96		"	10.0	0.00	79.6	74-127		4.63	30	
1,2,4-Trichlorobenzene	7.62		"	10.0	0.00	76.2	41-161		4.56	30	
1,2,4-Trimethylbenzene	8.48		"	10.0	0.00	84.8	72-129		6.08	30	
1,2-Dibromo-3-chloropropane	6.01		"	10.0	0.00	60.1	31-151		2.19	30	
1,2-Dibromoethane	7.98		"	10.0	0.00	79.8	75-125		5.41	30	
1,2-Dichlorobenzene	8.43		"	10.0	0.00	84.3	63-122		6.62	30	
1,2-Dichloroethane	8.74		"	10.0	0.00	87.4	68-131		4.92	30	
1,2-Dichloropropane	9.54		"	10.0	0.00	95.4	77-121		4.61	30	
1,3,5-Trimethylbenzene	8.62		"	10.0	0.00	86.2	69-126		4.02	30	
1,3-Dichlorobenzene	8.07		"	10.0	0.00	80.7	74-119		6.66	30	
1,3-Dichloropropane	8.32		"	10.0	0.00	83.2	77-119		6.07	30	
1,4-Dichlorobenzene	8.18		"	10.0	0.00	81.8	70-124		7.09	30	
1,4-Dioxane	186		"	210	0.00	88.5	10-310		3.82	30	
2-Butanone	8.36		"	10.0	0.00	83.6	10-193		1.93	30	
2-Hexanone	9.12		"	10.0	0.00	91.2	53-133		6.10	30	
4-Methyl-2-pentanone	9.18		"	10.0	0.00	91.8	38-150		5.25	30	
Acetone	9.10		"	10.0	0.760	83.4	13-149		5.30	30	
Acrolein	4.26		"	10.0	0.00	42.6	10-195		5.55	30	
Acrylonitrile	8.44		"	10.0	0.00	84.4	37-165		11.8	30	
Benzene	8.49		"	10.0	0.00	84.9	38-155		4.58	30	
Bromochloromethane	8.75		"	10.0	0.00	87.5	75-121		3.02	30	
Bromodichloromethane	8.30		"	10.0	0.00	83.0	70-129		6.47	30	
Bromoform	7.95		"	10.0	0.00	79.5	66-136		8.25	30	
Bromomethane	5.54		"	10.0	0.00	55.4	30-158		33.5	30	Non-dir.
Carbon disulfide	8.19		"	10.0	0.00	81.9	10-138		5.91	30	
Carbon tetrachloride	9.01		"	10.0	0.00	90.1	71-146		5.24	30	
Chlorobenzene	8.93		"	10.0	0.00	89.3	81-117		5.64	30	
Chloroethane	9.84		"	10.0	0.00	98.4	51-145		4.26	30	
Chloroform	8.98		"	10.0	0.490	84.9	80-124		4.32	30	
Chloromethane	10.2		"	10.0	0.00	102	16-163		5.34	30	
cis-1,2-Dichloroethylene	8.72		"	10.0	0.00	87.2	76-125		4.34	30	
cis-1,3-Dichloropropylene	8.24		"	10.0	0.00	82.4	58-131		6.39	30	
Cyclohexane	7.24		"	10.0	0.00	72.4	70-130		5.24	30	
Dibromochloromethane	7.60		"	10.0	0.00	76.0	71-129		5.82	30	
Dibromomethane	8.09		"	10.0	0.00	80.9	76-120		5.59	30	
Dichlorodifluoromethane	10.8		"	10.0	0.00	108	30-147		5.81	30	
Ethyl Benzene	9.58		"	10.0	0.00	95.8	72-128		5.80	30	
Hexachlorobutadiene	10.4		"	10.0	0.00	104	34-166		3.51	30	
Isopropylbenzene	8.98		"	10.0	0.00	89.8	66-139		7.03	30	
Methyl acetate	7.39		"	10.0	0.00	73.9	10-200		0.952	30	
Methyl tert-butyl ether (MTBE)	7.85		"	10.0	0.00	78.5	75-128		5.36	30	
Methyleyclohexane	9.35		"	10.0	0.00	93.5	70-130		7.09	30	
Methylene chloride	8.98		"	10.0	0.700	82.8	57-128		0.111	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22848 - EPA 5030B

Matrix Spike Dup (BC22848-MSD1)		*Source sample: 22C1250-04 (MW002)					Prepared & Analyzed: 03/24/2022				
Naphthalene	7.14		ug/L	10.0	0.00	71.4	39-158		2.55	30	
n-Butylbenzene	9.45		"	10.0	0.00	94.5	61-138		7.92	30	
n-Propylbenzene	9.33		"	10.0	0.00	93.3	66-134		4.49	30	
o-Xylene	9.34		"	10.0	0.00	93.4	69-126		5.50	30	
p- & m- Xylenes	16.2		"	20.0	0.00	81.2	67-130		5.96	30	
p-Diethylbenzene	8.79		"	10.0	0.00	87.9	52-150		7.31	30	
p-Ethyltoluene	9.72		"	10.0	0.00	97.2	76-127		5.61	30	
p-Isopropyltoluene	8.75		"	10.0	0.00	87.5	64-137		6.49	30	
sec-Butylbenzene	8.95		"	10.0	0.00	89.5	53-155		6.22	30	
Styrene	8.69		"	10.0	0.00	86.9	69-125		6.54	30	
tert-Butyl alcohol (TBA)	38.9		"	50.0	0.00	77.8	10-130		22.6	30	
tert-Butylbenzene	7.08		"	10.0	0.00	70.8	65-139		6.41	30	
Tetrachloroethylene	9.21		"	10.0	0.260	89.5	64-139		4.67	30	
Toluene	9.05		"	10.0	0.00	90.5	76-123		5.22	30	
trans-1,2-Dichloroethylene	9.08		"	10.0	0.00	90.8	79-131		4.97	30	
trans-1,3-Dichloropropylene	8.11		"	10.0	0.00	81.1	55-130		6.62	30	
Trichloroethylene	8.57		"	10.0	0.00	85.7	53-145		5.02	30	
Trichlorofluoromethane	10.5		"	10.0	0.00	105	61-142		5.70	30	
Vinyl Chloride	11.9		"	10.0	0.00	119	31-165		4.04	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.86		"	10.0		98.6	79-122				

Batch BC22933 - EPA 5030B

Blank (BC22933-BLK1)		Prepared & Analyzed: 03/25/2022									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22933 - EPA 5030B

Blank (BC22933-BLK1)

Prepared & Analyzed: 03/25/2022

Acrolein	ND	0.500	ug/L
Acrylonitrile	ND	0.500	"
Benzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"
Methylene chloride	1.23	2.00	"
Naphthalene	ND	2.00	"
n-Butylbenzene	ND	0.500	"
n-Propylbenzene	ND	0.500	"
o-Xylene	ND	0.500	"
p- & m- Xylenes	ND	1.00	"
p-Diethylbenzene	ND	0.500	"
p-Ethyltoluene	ND	0.500	"
p-Isopropyltoluene	ND	0.500	"
sec-Butylbenzene	ND	0.500	"
Styrene	ND	0.500	"
tert-Butyl alcohol (TBA)	ND	1.00	"
tert-Butylbenzene	ND	0.500	"
Tetrachloroethylene	ND	0.500	"
Toluene	ND	0.500	"
trans-1,2-Dichloroethylene	ND	0.500	"
trans-1,3-Dichloropropylene	ND	0.500	"
Trichloroethylene	ND	0.500	"
Trichlorofluoromethane	ND	0.500	"
Vinyl Chloride	ND	0.500	"
Xylenes, Total	ND	1.50	"

Surrogate: SURR: 1,2-Dichloroethane-d4	10.5	"	10.0	105	69-130
Surrogate: SURR: Toluene-d8	10.0	"	10.0	100	81-117
Surrogate: SURR: p-Bromofluorobenzene	10.5	"	10.0	105	79-122



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22933 - EPA 5030B											
LCS (BC22933-BS1)						Prepared & Analyzed: 03/25/2022					
1,1,1,2-Tetrachloroethane	8.88		ug/L	10.0		88.8	82-126				
1,1,1-Trichloroethane	8.67		"	10.0		86.7	78-136				
1,1,2,2-Tetrachloroethane	8.53		"	10.0		85.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.95		"	10.0		89.5	54-165				
1,1,2-Trichloroethane	8.19		"	10.0		81.9	82-123	Low Bias			
1,1-Dichloroethane	9.18		"	10.0		91.8	82-129				
1,1-Dichloroethylene	9.49		"	10.0		94.9	68-138				
1,2,3-Trichlorobenzene	7.73		"	10.0		77.3	76-136				
1,2,3-Trichloropropane	8.38		"	10.0		83.8	77-128				
1,2,4-Trichlorobenzene	8.16		"	10.0		81.6	76-137				
1,2,4-Trimethylbenzene	9.03		"	10.0		90.3	82-132				
1,2-Dibromo-3-chloropropane	6.57		"	10.0		65.7	45-147				
1,2-Dibromoethane	8.25		"	10.0		82.5	83-124	Low Bias			
1,2-Dichlorobenzene	9.05		"	10.0		90.5	79-123				
1,2-Dichloroethane	9.05		"	10.0		90.5	73-132				
1,2-Dichloropropane	9.91		"	10.0		99.1	78-126				
1,3,5-Trimethylbenzene	9.12		"	10.0		91.2	80-131				
1,3-Dichlorobenzene	8.67		"	10.0		86.7	86-122				
1,3-Dichloropropane	8.62		"	10.0		86.2	81-125				
1,4-Dichlorobenzene	8.82		"	10.0		88.2	85-124				
1,4-Dioxane	194		"	210		92.5	10-349				
2-Butanone	8.28		"	10.0		82.8	49-152				
2-Hexanone	9.03		"	10.0		90.3	51-146				
4-Methyl-2-pentanone	9.16		"	10.0		91.6	57-145				
Acetone	8.52		"	10.0		85.2	14-150				
Acrolein	4.69		"	10.0		46.9	10-153				
Acrylonitrile	8.50		"	10.0		85.0	51-150				
Benzene	8.82		"	10.0		88.2	85-126				
Bromochloromethane	9.36		"	10.0		93.6	77-128				
Bromodichloromethane	8.66		"	10.0		86.6	79-128				
Bromoform	8.56		"	10.0		85.6	78-133				
Bromomethane	7.82		"	10.0		78.2	43-168				
Carbon disulfide	8.21		"	10.0		82.1	68-146				
Carbon tetrachloride	8.98		"	10.0		89.8	77-141				
Chlorobenzene	9.30		"	10.0		93.0	88-120				
Chloroethane	10.1		"	10.0		101	65-136				
Chloroform	8.84		"	10.0		88.4	82-128				
Chloromethane	10.3		"	10.0		103	43-155				
cis-1,2-Dichloroethylene	9.18		"	10.0		91.8	83-129				
cis-1,3-Dichloropropylene	8.76		"	10.0		87.6	80-131				
Cyclohexane	6.98		"	10.0		69.8	63-149				
Dibromochloromethane	8.03		"	10.0		80.3	80-130				
Dibromomethane	8.40		"	10.0		84.0	72-134				
Dichlorodifluoromethane	10.2		"	10.0		102	44-144				
Ethyl Benzene	9.82		"	10.0		98.2	80-131				
Hexachlorobutadiene	10.5		"	10.0		105	67-146				
Isopropylbenzene	9.36		"	10.0		93.6	76-140				
Methyl acetate	8.53		"	10.0		85.3	51-139				
Methyl tert-butyl ether (MTBE)	8.25		"	10.0		82.5	76-135				
Methyleyclohexane	9.10		"	10.0		91.0	72-143				
Methylene chloride	9.81		"	10.0		98.1	55-137				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22933 - EPA 5030B											
LCS (BC22933-BS1)						Prepared & Analyzed: 03/25/2022					
Naphthalene	7.17		ug/L	10.0		71.7	70-147				
n-Butylbenzene	9.91		"	10.0		99.1	79-132				
n-Propylbenzene	9.66		"	10.0		96.6	78-133				
o-Xylene	9.70		"	10.0		97.0	78-130				
p- & m- Xylenes	16.7		"	20.0		83.6	77-133				
p-Diethylbenzene	9.25		"	10.0		92.5	84-134				
p-Ethyltoluene	10.2		"	10.0		102	88-129				
p-Isopropyltoluene	9.28		"	10.0		92.8	81-136				
sec-Butylbenzene	9.28		"	10.0		92.8	79-137				
Styrene	9.25		"	10.0		92.5	67-132				
tert-Butyl alcohol (TBA)	39.7		"	50.0		79.5	25-162				
tert-Butylbenzene	7.38		"	10.0		73.8	77-138	Low Bias			
Tetrachloroethylene	8.89		"	10.0		88.9	82-131				
Toluene	9.17		"	10.0		91.7	80-127				
trans-1,2-Dichloroethylene	9.23		"	10.0		92.3	80-132				
trans-1,3-Dichloropropylene	8.63		"	10.0		86.3	78-131				
Trichloroethylene	8.68		"	10.0		86.8	82-128				
Trichlorofluoromethane	10.2		"	10.0		102	67-139				
Vinyl Chloride	11.9		"	10.0		119	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.94		"	10.0		99.4	79-122				
LCS Dup (BC22933-BSD1)						Prepared & Analyzed: 03/25/2022					
1,1,1,2-Tetrachloroethane	9.32		ug/L	10.0		93.2	82-126		4.84	30	
1,1,1-Trichloroethane	9.19		"	10.0		91.9	78-136		5.82	30	
1,1,2,2-Tetrachloroethane	9.05		"	10.0		90.5	76-129		5.92	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.72		"	10.0		87.2	54-165		2.60	30	
1,1,2-Trichloroethane	8.89		"	10.0		88.9	82-123		8.20	30	
1,1-Dichloroethane	9.90		"	10.0		99.0	82-129		7.55	30	
1,1-Dichloroethylene	10.5		"	10.0		105	68-138		9.72	30	
1,2,3-Trichlorobenzene	7.77		"	10.0		77.7	76-136		0.516	30	
1,2,3-Trichloropropane	8.66		"	10.0		86.6	77-128		3.29	30	
1,2,4-Trichlorobenzene	8.10		"	10.0		81.0	76-137		0.738	30	
1,2,4-Trimethylbenzene	9.15		"	10.0		91.5	82-132		1.32	30	
1,2-Dibromo-3-chloropropane	7.81		"	10.0		78.1	45-147		17.2	30	
1,2-Dibromoethane	8.97		"	10.0		89.7	83-124		8.36	30	
1,2-Dichlorobenzene	9.04		"	10.0		90.4	79-123		0.111	30	
1,2-Dichloroethane	10.7		"	10.0		107	73-132		16.4	30	
1,2-Dichloropropane	11.3		"	10.0		113	78-126		13.0	30	
1,3,5-Trimethylbenzene	9.17		"	10.0		91.7	80-131		0.547	30	
1,3-Dichlorobenzene	8.32		"	10.0		83.2	86-122	Low Bias	4.12	30	
1,3-Dichloropropane	9.84		"	10.0		98.4	81-125		13.2	30	
1,4-Dichlorobenzene	8.57		"	10.0		85.7	85-124		2.88	30	
1,4-Dioxane	207		"	210		98.4	10-349		6.22	30	
2-Butanone	8.80		"	10.0		88.0	49-152		6.09	30	
2-Hexanone	11.2		"	10.0		112	51-146		21.3	30	
4-Methyl-2-pentanone	11.1		"	10.0		111	57-145		19.5	30	
Acetone	9.70		"	10.0		97.0	14-150		13.0	30	
Acrolein	5.81		"	10.0		58.1	10-153		21.3	30	
Acrylonitrile	9.69		"	10.0		96.9	51-150		13.1	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22933 - EPA 5030B											
LCS Dup (BC22933-BSD1)						Prepared & Analyzed: 03/25/2022					
Benzene	8.99		ug/L	10.0		89.9	85-126		1.91	30	
Bromochloromethane	10.2		"	10.0		102	77-128		8.69	30	
Bromodichloromethane	9.88		"	10.0		98.8	79-128		13.2	30	
Bromoform	8.86		"	10.0		88.6	78-133		3.44	30	
Bromomethane	2.66		"	10.0		26.6	43-168	Low Bias	98.5	30	Non-dir.
Carbon disulfide	8.62		"	10.0		86.2	68-146		4.87	30	
Carbon tetrachloride	9.35		"	10.0		93.5	77-141		4.04	30	
Chlorobenzene	9.74		"	10.0		97.4	88-120		4.62	30	
Chloroethane	10.1		"	10.0		101	65-136		0.0989	30	
Chloroform	9.35		"	10.0		93.5	82-128		5.61	30	
Chloromethane	11.8		"	10.0		118	43-155		14.1	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		10.3	30	
cis-1,3-Dichloropropylene	9.81		"	10.0		98.1	80-131		11.3	30	
Cyclohexane	7.10		"	10.0		71.0	63-149		1.70	30	
Dibromochloromethane	8.58		"	10.0		85.8	80-130		6.62	30	
Dibromomethane	9.40		"	10.0		94.0	72-134		11.2	30	
Dichlorodifluoromethane	16.1		"	10.0		161	44-144	High Bias	44.5	30	Non-dir.
Ethyl Benzene	10.8		"	10.0		108	80-131		9.32	30	
Hexachlorobutadiene	11.0		"	10.0		110	67-146		3.82	30	
Isopropylbenzene	9.27		"	10.0		92.7	76-140		0.966	30	
Methyl acetate	9.77		"	10.0		97.7	51-139		13.6	30	
Methyl tert-butyl ether (MTBE)	8.48		"	10.0		84.8	76-135		2.75	30	
Methylcyclohexane	9.20		"	10.0		92.0	72-143		1.09	30	
Methylene chloride	10.5		"	10.0		105	55-137		7.17	30	
Naphthalene	7.42		"	10.0		74.2	70-147		3.43	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		8.69	30	
n-Propylbenzene	9.91		"	10.0		99.1	78-133		2.55	30	
o-Xylene	10.7		"	10.0		107	78-130		9.71	30	
p- & m- Xylenes	18.6		"	20.0		93.0	77-133		10.6	30	
p-Diethylbenzene	9.34		"	10.0		93.4	84-134		0.968	30	
p-Ethyltoluene	9.85		"	10.0		98.5	88-129		3.59	30	
p-Isopropyltoluene	9.34		"	10.0		93.4	81-136		0.644	30	
sec-Butylbenzene	9.37		"	10.0		93.7	79-137		0.965	30	
Styrene	9.72		"	10.0		97.2	67-132		4.96	30	
tert-Butyl alcohol (TBA)	41.6		"	50.0		83.2	25-162		4.60	30	
tert-Butylbenzene	7.30		"	10.0		73.0	77-138	Low Bias	1.09	30	
Tetrachloroethylene	8.72		"	10.0		87.2	82-131		1.93	30	
Toluene	9.86		"	10.0		98.6	80-127		7.25	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		9.59	30	
trans-1,3-Dichloropropylene	9.91		"	10.0		99.1	78-131		13.8	30	
Trichloroethylene	9.30		"	10.0		93.0	82-128		6.90	30	
Trichlorofluoromethane	10.0		"	10.0		100	67-139		1.78	30	
Vinyl Chloride	13.5		"	10.0		135	58-145		13.0	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	11.5		"	10.0		115	69-130				
Surrogate: SURR: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.75		"	10.0		97.5	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C1250-01	EB	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1250-02	TB	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1250-03	MW001	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1250-04	MW002	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1250-05	MW003	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1250-06	MW004	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1250-07	MW005	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1250-08	MW006	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1250-09	DUP	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

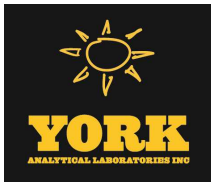
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.



2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



Field Chain-of-Custody Record

YORK Analytical Laboratories, Inc. (YORK)'s Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.
22C1250

Page 1 of 1

120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418 clientservices@yorklab.com www.yorklab.com 800-306-YORK 800-306-9675

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: FAY 2101	Company: PNB	Company: PNB	Company: PNB	Company: PNB	Company: PNB	Company: PNB	Company: PNB	RUSH - Next Day	
Address: 630 JOHNSON AVE	Address: PNB	Address: PNB	Address: PNB	Address: PNB	Address: PNB	Address: PNB	Address: PNB	RUSH - Two Day	
City: BIRMINGHAM, AL 35202	City: PNB	City: PNB	City: PNB	City: PNB	City: PNB	City: PNB	City: PNB	RUSH - Three Day	
Phone: (205) 589-6353	Phone: (205) 589-6353	Phone: (205) 589-6353	Phone: (205) 589-6353	Phone: (205) 589-6353	Phone: (205) 589-6353	Phone: (205) 589-6353	Phone: (205) 589-6353	RUSH - Four Day	
Contact: MICHAEL GAVIN	Contact: MICHAEL GAVIN	Contact: MICHAEL GAVIN	Contact: MICHAEL GAVIN	Contact: MICHAEL GAVIN	Contact: MICHAEL GAVIN	Contact: MICHAEL GAVIN	Contact: MICHAEL GAVIN	Standard (5-7 Day)	
E-mail: mgavin@pbnc.com	E-mail: mgavin@pbnc.com	E-mail: mgavin@pbnc.com	E-mail: mgavin@pbnc.com	E-mail: mgavin@pbnc.com	E-mail: mgavin@pbnc.com	E-mail: mgavin@pbnc.com	E-mail: mgavin@pbnc.com		

Report / EDD Type (circle selections)		YORK Reg. Comp.	
☒ Summary Report	☐ Standard Excel EDD	Compared to the following Regulation(s): (please fill in)	
☐ QA Report	☐ CT RCP	Standard Excel EDD	
☐ NY ASP A Package	☐ CT RCP DOA/DUE	EQUIS (Standard)	
☐ NY ASP B Package	☐ NJDEP Reduced Deliverables	NYSDEC EQUIS	
	☐ NJDKQP	NJDEP SRP HazSite	
		Other:	

Samples Collected by: (print AND sign your name)		Analysis Requested		Container Description	
Sample Identification		Date/Time Sampled		Special Instruction	
AW-EB	GW	03/21/22	15:30	TCL VOCs	
TB			15:00		
MW001			12:00		
MW002			11:00		
MW003			16:30		
MW004			14:45		
MW005			15:05		
MW006					
DAPE					
MS/MSD					

Comments:		Preservation: (check all that apply)		Special Instruction	
		HCl MeOH HNO3 H2SO4 NaOH		Field Filtered	
		ZnAc Ascorbic Acid Other:		Lab to Filter	
1. Samples Received by / Company		2. Samples Requisitioned by / Company		Date/Time	
Danielle Dulligan	Andrew S. York	3/22/22 15:03	Andrew S. York	3/22/22 16:13	
3. Samples Received by / Company		4. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
5. Samples Received by / Company		6. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
7. Samples Received by / Company		8. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
9. Samples Received by / Company		10. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
11. Samples Received by / Company		12. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
13. Samples Received by / Company		14. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
15. Samples Received by / Company		16. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
17. Samples Received by / Company		18. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
19. Samples Received by / Company		20. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
21. Samples Received by / Company		22. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
23. Samples Received by / Company		24. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
25. Samples Received by / Company		26. Samples Received by / Company		Date/Time	
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27. Samples Received by / Company		28. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
29. Samples Received by / Company		30. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
31. Samples Received by / Company		32. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
33. Samples Received by / Company		34. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
35. Samples Received by / Company		36. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
37. Samples Received by / Company		38. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
39. Samples Received by / Company		40. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
41. Samples Received by / Company		42. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
43. Samples Received by / Company		44. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
45. Samples Received by / Company		46. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
47. Samples Received by / Company		48. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
49. Samples Received by / Company		50. Samples Received by / Company		Date/Time	
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51. Samples Received by / Company		52. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
53. Samples Received by / Company		54. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
55. Samples Received by / Company		56. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
57. Samples Received by / Company		58. Samples Received by / Company		Date/Time	
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59. Samples Received by / Company		60. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
61. Samples Received by / Company		62. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
63. Samples Received by / Company		64. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
65. Samples Received by / Company		66. Samples Received by / Company		Date/Time	
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67. Samples Received by / Company		68. Samples Received by / Company		Date/Time	
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69. Samples Received by / Company		70. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
71. Samples Received by / Company		72. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
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75. Samples Received by / Company		76. Samples Received by / Company		Date/Time	
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Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
79. Samples Received by / Company		80. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
81. Samples Received by / Company		82. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
83. Samples Received by / Company		84. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
85. Samples Received by / Company		86. Samples Received by / Company		Date/Time	
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87. Samples Received by / Company		88. Samples Received by / Company		Date/Time	
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Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
91. Samples Received by / Company		92. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
93. Samples Received by / Company		94. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
95. Samples Received by / Company		96. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
97. Samples Received by / Company		98. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
99. Samples Received by / Company		100. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
101. Samples Received by / Company		102. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
103. Samples Received by / Company		104. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
105. Samples Received by / Company		106. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
107. Samples Received by / Company		108. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
109. Samples Received by / Company		110. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
111. Samples Received by / Company		112. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
113. Samples Received by / Company		114. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
115. Samples Received by / Company		116. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
117. Samples Received by / Company		118. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
119. Samples Received by / Company		120. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
121. Samples Received by / Company		122. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
123. Samples Received by / Company		124. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
125. Samples Received by / Company		126. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
127. Samples Received by / Company		128. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
129. Samples Received by / Company		130. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
131. Samples Received by / Company		132. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
133. Samples Received by / Company		134. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
135. Samples Received by / Company		136. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
137. Samples Received by / Company		138. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
139. Samples Received by / Company		140. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
141. Samples Received by / Company		142. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
143. Samples Received by / Company		144. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
145. Samples Received by / Company		146. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
147. Samples Received by / Company		148. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
149. Samples Received by / Company		150. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
151. Samples Received by / Company		152. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
153. Samples Received by / Company		154. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
155. Samples Received by / Company		156. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
157. Samples Received by / Company		158. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
159. Samples Received by / Company		160. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
161. Samples Received by / Company		162. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
163. Samples Received by / Company		164. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
165. Samples Received by / Company		166. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
167. Samples Received by / Company		168. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
169. Samples Received by / Company		170. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
171. Samples Received by / Company		172. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
173. Samples Received by / Company		174. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B	3/22/22 16:13	
175. Samples Received by / Company		176. Samples Received by / Company		Date/Time	
Danielle Dulligan	Ivan B	3/22/22 16:13	Ivan B		



APPENDIX D

MONITORING WELL DEVELOPMENT LOGS

Groundwater Monitoring Well Development Log

SITE INFORMATION

Site/Project Number:	FAY2101		
Development Point:	MW001	Developed By:	NR
Date Developed:	3/14/2022	Well Diameter (inches):	2
Depth to Water (feet):	10.92	Total Well Depth (feet):	19.6

DEVELOPMENT INFORMATION

Purge Method:	Peristaltic Pump	Purge Time (min):	42
Purge Rate (gpm):	0.076	Gallons Purged:	3

DEVELOPMENT PARAMETERS

Casing Volumes	Time	Flow Rate (gpm)	pH	Cond. (μS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	ORP mV	Temp (°C)
0	0	0.076	7.51	1.61	444	10.81	NA	178	15.86
0.228	3	0.076	7.55	1.62	1000	8.81	NA	167	15.75
0.456	6	0.076	7.56	1.65	1000	7.76	NA	158	15.71
0.684	9	0.076	7.66	1.68	1000	7.77	NA	142	15.62
0.912	12	0.076	7.71	1.72	1000	7.21	NA	135	15.64
1.14	15	0.076	7.75	1.75	1000	7.21	NA	122	15.66
1.368	18	0.076	7.82	1.78	1000	7.18	NA	106	15.52
1.596	21	0.076	7.88	1.78	1000	7.04	NA	105	15.47
1.824	24	0.076	7.92	1.78	1000	7.02	NA	104	15.45
2.052	27	0.076	7.95	1.73	1000	8.41	NA	107	15.84
2.28	30	0.076	7.96	1.73	836	8.02	NA	111	16.31
2.508	33	0.076	8.04	1.69	167	7.86	NA	120	16.69
2.736	36	0.076	7.98	1.62	52.0	7.08	NA	102	16.86
2.964	39	0.076	7.99	1.62	48.6	7.08	NA	105	16.88
3.192	42	0.076	7.98	1.61	32.7	7.09	NA	103	16.90

Groundwater Monitoring Well Development Log									
SITE INFORMATION									
Site/Project Number:		FAY2101							
Development Point:		MW002			Developed By:		NR		
Date Developed:		3/14/2022			Well Diameter (inches)		2		
Depth to Water (feet):		11.47			Total Well Depth (feet)		17.79		
DEVELOPMENT INFORMATION									
Purge Method:		Peristaltic Pump			Purge Time (min):		39		
Purge Rate (gpm):		0.076			Gallons Purged:		2.5		
DEVELOPMENT PARAMETERS									
Casing Volumes	Time Minutes	Flow Rate (gpm)	pH	Cond. (μS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	ORP mV	Temp (°C)
0	0	0.076	6.68	0.469	0.0	3.08	NA	182	15.44
0.228	3	0.076	7.01	0.476	0.0	3.21	NA	177	15.42
0.456	6	0.076	7.07	0.479	0.0	3.36	NA	176	15.31
0.684	9	0.076	7.12	0.478	0.0	3.48	NA	175	15.28
0.912	12	0.076	7.34	0.483	0.0	3.97	NA	173	15.24
1.14	15	0.076	7.49	0.538	0.0	4.79	NA	174	15.22
1.368	18	0.076	7.50	0.561	0.0	5.92	NA	180	15.17
1.596	21	0.076	7.49	0.563	0.0	5.99	NA	181	15.15
1.824	24	0.076	7.49	0.562	0.0	6.00	NA	181	15.14
2.052	27	0.076	7.49	0.563	0.0	5.98	NA	181	15.13
2.28	30	0.076	7.48	0.564	0.0	5.99	NA	182	15.13
2.508	33	0.076	7.48	0.569	0.0	5.75	NA	183	15.10
2.736	36	0.076	7.48	0.569	0.0	5.78	NA	183	15.09
2.964	39	0.076	7.44	0.568	0.0	5.76	NA	182	15.09

Groundwater Monitoring Well Development Log									
SITE INFORMATION									
Site/Project Number:		FAY2101							
Development Point:		MW003	Developed By:		NR				
Date Developed:		3/14/2022	Well Diameter (inches)		1				
Depth to Water (feet):		0.5	Total Well Depth (feet)		5				
DEVELOPMENT INFORMATION									
Purge Method:		Peristaltic Pump		Purge Time (min):		5			
Purge Rate (gpm):		0.076		Gallons Purged:		0.38			
DEVELOPMENT PARAMETERS									
Casing Volumes	Time	Flow Rate (gpm)	pH	Cond. (µS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	ORP mV	Temp (°C)
WELL FULLY PURGED PRIOR TO FIRST READING.									

Groundwater Monitoring Well Development Log									
SITE INFORMATION									
Site/Project Number:		FAY2101							
Development Point:		MW004			Developed By:		NR		
Date Developed:		3/14/2022			Well Diameter (inches)		1		
Depth to Water (feet):		0.5			Total Well Depth (feet)		5		
DEVELOPMENT INFORMATION									
Purge Method:		Peristaltic Pump			Purge Time (min):		5		
Purge Rate (gpm):		0.076			Gallons Purged:		0.38		
DEVELOPMENT PARAMETERS									
Casing Volumes	Time	Flow Rate (gpm)	pH	Cond. (μ S/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	ORP mV	Temp (°C)
WELL FULLY PURGED PRIOR TO FIRST READING.									

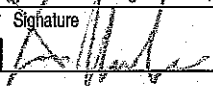
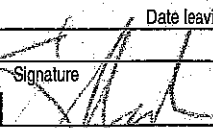
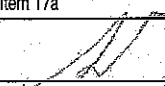
Groundwater Monitoring Well Development Log									
SITE INFORMATION									
Site/Project Number:		FAY2101							
Development Point:		MW005			Developed By:		NR		
Date Developed:		3/14/2022			Well Diameter (inches)		1		
Depth to Water (feet):		5.3			Total Well Depth (feet)		9.6		
DEVELOPMENT INFORMATION									
Purge Method:		Peristaltic Pump			Purge Time (min):		3		
Purge Rate (gpm):		0.076			Gallons Purged:		0.228		
DEVELOPMENT PARAMETERS									
Casing Volumes	Time	Flow Rate (gpm)	pH	Cond. (μ S/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	ORP mV	Temp (°C)
WELL FULLY PURGED PRIOR TO FIRST READING.									

Groundwater Monitoring Well Development Log									
SITE INFORMATION									
Site/Project Number:		FAY2101							
Development Point:		MW006			Developed By:		NR		
Date Developed:		3/14/2022			Well Diameter (inches)		1		
Depth to Water (feet):		3.4			Total Well Depth (feet)		5.01		
DEVELOPMENT INFORMATION									
Purge Method:		Peristaltic Pump			Purge Time (min):		3		
Purge Rate (gpm):		0.076			Gallons Purged:		0.228		
DEVELOPMENT PARAMETERS									
Casing Volumes	Time	Flow Rate (gpm)	pH	Cond. (µS/cm)	Turbidity (NTU)	DO (mg/L)	TDS (g/L)	ORP mV	Temp (°C)
WELL FULLY PURGED PRIOR TO FIRST READING.									



APPENDIX E

PURGE WATER DISPOSAL RECEIPTS

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number CE 56C		2. Page 1 of 1	3. Emergency Response Phone (31) 727-2700		4. Waste Tracking Number		
5. Generator's Name and Mailing Address Fay Realty/Numan Minsky 434 Riverside Avenue Yonkers, NY					Generator's Site Address (if different than mailing address)				
Generator's Phone:					U.S. EPA ID Number NYR000135624				
6. Transporter 1 Company Name Eastern Environmental Solutions, Inc.					U.S. EPA ID Number				
7. Transporter 2 Company Name					U.S. EPA ID Number				
8. Designated Facility Name and Site Address Cleanwater of New York 3249 Richmond Terrace Staten Island, NY					U.S. EPA ID Number				
Facility's Phone:									
9. Waste Shipping Name and Description					10. Containers		11. Total Quantity	12. Unit Wt/Vol.	
					No.	Type			
1. Non Hazardous; Non RCRA Solids (Purge Water)					001	DM	035	GI	
2.									
3.									
4.									
13. Special Handling Instructions and Additional Information 442-002									
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.									
Generator's/Officer's Printed/Typed Name On Behalf of					Signature 		Month 03	Day 21	Year 22
15. International Shipments ☒ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:									
16. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name Simon Mulvey					Signature 		Month 03	Day 21	Year 22
Transporter 2 Printed/Typed Name					Signature		Month	Day	Year
17. Discrepancy									
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection									
Manifest Reference Number:									
17b. Alternate Facility (or Generator)					U.S. EPA ID Number				
Facility's Phone:									
17c. Signature of Alternate Facility (or Generator)					Signature		Month	Day	Year
18. Designated Facility Owner or Operator. Certification of receipt of materials covered by the manifest except as noted in Item 17a									
Printed/Typed Name Alexian Acevedo					Signature 		Month 5	Day 3	Year 22

TRANSPORTER #1



APPENDIX F

MONITORING WELL SAMPLING LOGS

Groundwater Monitoring Well Sampling Log								
SITE INFORMATION								
Site/Project Number:	FAY2101							
Sampling Point:	MW001			Sampled By:		DD		
Date Sampled:	3/21/2022			Time Sampled:		15:40		
Depth to Water (feet):	10.87			Total Well Depth (feet):		19.61		
Well Diameter (inches):	2			Headspace (ppm):		DNR		
SAMPLING INFORMATION								
Purge Method:	Peristaltic Pump			Sample Method:		Peristaltic Pump		
Purge Rate (ml/min):	250			Purge Time (min):		24		
Sample Appearance:	Clear			Odors Observed:		None		
Analysis:	USEPA 8260			Laboratory:		York Analytical		
Date Shipped:	3/22/2022			Shipping Method:		Courier Pick-up		
SAMPLING PARAMETERS								
Reading	Flow Rate	Time	Temp.	pH	Turbidity	ORP	Cond.	DO
	(mL/min)		(°C)		NTU	mV	(mS/cm)	mg/L
1		15:14	INITIAL DISCHARGE					
2	250	15:17	15.37	7.57	208	244	1.91	0.96
3	250	15:20	15.19	7.55	154	205	1.92	0.79
4	250	15:23	15.04	7.54	144	168	1.93	0.95
5	250	15:26	15.16	7.52	145	148	1.92	1.35
6	250	15:29	15.19	7.52	143	144	1.92	1.28
7	250	15:32	15.38	7.49	108	148	1.92	1.26
8	250	15:35	15.79	7.48	91.6	152	1.89	0.57
9	250	15:38	15.80	7.49	62.5	153	1.89	0.58

(Take readings every three minutes.)

Notes: Total volume purged, 6L.

Groundwater Monitoring Well Sampling Log								
SITE INFORMATION								
Site/Project Number:		FAY2101						
Sampling Point:		MW002		Sampled By:		DD		
Date Sampled:		3/21/2022		Time Sampled:		15:00		
Depth to Water (feet):		11.5		Total Well Depth (feet):		17.1		
Well Diameter (inches):		2		Headspace (ppm):		DNR		
SAMPLING INFORMATION								
Purge Method:		Peristaltic Pump		Sample Method:		Peristaltic Pump		
Purge Rate (ml/min):		250		Purge Time (min):		16		
Sample Appearance:		Clear		Odors Observed:		None		
Analysis:		USEPA 8260		Laboratory:		York Analytical		
Date Shipped:		3/22/2022		Shipping Method:		Courier Pick-up		
SAMPLING PARAMETERS								
Reading	Flow Rate (mL/min)	Time	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L
1		14:40	INITIAL DISCHARGE					
2	250	14:44	14.30	7.52	92.5	267	0.776	1.34
3	250	14:47	14.30	7.39	69.4	269	0.774	1.30
4	250	14:50	14.34	7.33	37.4	271	0.771	1.27
5	250	14:53	14.36	7.29	36.5	271	0.771	1.27
6	250	14:56	14.38	7.29	22.4	273	0.769	1.24

(Take readings every three minutes.)

Notes: Total volume purged, 4L.

Groundwater Monitoring Well Sampling Log								
SITE INFORMATION								
Site/Project Number:		FAY2101						
Sampling Point:		MW003			Sampled By:		DD	
Date Sampled:		3/21/2022			Time Sampled:		12:00	
Depth to Water (feet):		0.5			Total Well Depth (feet):		5	
Well Diameter (inches):		1			Headspace (ppm):		DNR	
SAMPLING INFORMATION								
Purge Method:		Peristaltic Pump			Sample Method:		Peristaltic Pump	
Purge Rate (ml/min):		333			Purge Time (min):		16	
Sample Appearance:		Initially very turbid, cleared up			Odors Observed:		None	
Analysis:		USEPA 8260			Laboratory:		York Analytical	
Date Shipped:		3/22/2022			Shipping Method:		Courier Pick-up	
SAMPLING PARAMETERS								
Reading	Flow Rate (mL/min)	Time	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L
1	333	11:21	INITIAL DISCHARGE					
2	333	11:25	12.27	7.90	686	229	1.58	1.81
3	333	11:28	12.38	7.57	957	152	1.58	0.79
4	333	11:31	12.38	7.52	893	150	1.58	0.77
5	333	11:34	12.37	7.52	668	116	1.56	0.73
6	333	11:37	12.35	7.49	562	104	1.51	0.71
7	N/A	11:39	WELL FULLY PURGED, WAIT FOR RECHARGE					

Groundwater Monitoring Well Sampling Log								
SITE INFORMATION								
Site/Project Number:	FAY2101							
Sampling Point:	MW004	Sampled By:		DD				
Date Sampled:	3/21/2022	Time Sampled:		11:00				
Depth to Water (feet):	0.5	Total Well Depth (feet):		5				
Well Diameter (inches):	1	Headspace (ppm):		DNR				
SAMPLING INFORMATION								
Purge Method:	Peristaltic Pump		Sample Method:		Peristaltic Pump			
Purge Rate (ml/min):	333		Purge Time (min):		16			
Sample Appearance:	Initially chalky, cleared up		Odors Observed:		None			
Analysis:	USEPA 8260		Laboratory:		York Analytical			
Date Shipped:	3/22/2022		Shipping Method:		Courier Pick-up			
SAMPLING PARAMETERS								
Reading	Flow Rate (mL/min)	Time	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L
1	333	10:28	INITIAL DISCHARGE					
2	333	10:31	11.67	7.23	0.0	257	1.10	0.97
3	333	10:34	11.67	7.23	0.0	257	1.10	0.97
4	333	10:37	11.67	7.23	0.0	257	1.10	0.97
5	333	10:40	11.67	7.23	0.0	257	1.10	0.97
6	333	10:42	12.12	7.63	419	238	1.10	0.86
7	333	10:45	12.26	7.59	637	232	1.09	1.00
8	333	10:48	12.42	7.66	941	223	1.08	1.24
9	333	10:51	12.31	7.70	417	219	0.948	2.16
10	333	10:53	WELL FULLY PURGED, WAIT FOR RECHARGE					

(Take readings every three minutes.)

Notes: Total volume purged, 8.3L.

Groundwater Monitoring Well Sampling Log								
SITE INFORMATION								
Site/Project Number:		FAY2101						
Sampling Point:		MW006			Sampled By:		DD	
Date Sampled:		3/21/2022			Time Sampled:		14:15	
Depth to Water (feet):		3.75			Total Well Depth (feet):		5.1	
Well Diameter (inches):		1			Headspace (ppm):		DNR	
SAMPLING INFORMATION								
Purge Method:		Peristaltic Pump			Sample Method:		Peristaltic Pump	
Purge Rate (ml/min):		333			Purge Time (min):		3	
Sample Appearance:		Turbid			Odors Observed:		Sulfur	
Analysis:		USEPA 8260			Laboratory:		York Analytical	
Date Shipped:		3/22/2022			Shipping Method:		Courier Pick-up	
SAMPLING PARAMETERS								
Reading	Flow Rate (mL/min)	Time	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L
1		14:01	INITIAL DISCHARGE, VERY LOW FLOW					
2		14:03	PAUSE TO ALLOW RECHARGE					

(Take readings every three minutes.)

Notes: Total volume purged, 1L.



APPENDIX G

SOIL VAPOR SAMPLING LOGS

APPENDIX H
434 Riverdale Avenue
Yonkers, NY
TO-15 Sampling Log

Sample ID	Date	Start Time	End Time	Initial Vacuum in/Hg	Final Vacuum in/Hg	Canister ID	Regulator ID	Location
SV- El Valle	3/22/2022	13:08	13:06	-30	-8.0	20944	13558	El Valle
AA- El Valle	3/22/2022	13:10	13:10	-30	-4.2	17346	12191	El Valle
SV- Deli	3/22/2022	13:18	13:19	-30	-4.2	18299	13565	Food Center Deli
AA- Deli	3/22/2022	13:19	13:20	-30	-4.5	41937	3540	Food Center Deli
SV- Supermarket	3/22/2022	13:26	13:30	-30	-19.0	23995	6881	Lorena Mex Mini Market
AA- Supermarket	3/22/2022	13:27	13:31	-30	-5.0	28845	13569	Lorena Mex Mini Market
SV- Laundromat East	3/22/2022	13:33	13:40	-30	-9.0	20754	6874	D&K Laundry
AA- Laundromat East	3/22/2022	13:34	13:41	-30	-8.0	36889	5611	D&K Laundry
SV- Laundromat West	3/22/2022	13:39	13:44	-30	-1.5	37794	13574	D&K Laundry
AA- Laundromat West	3/22/2022	13:40	13:45	-30	-10.0	17349	7609	D&K Laundry
OA-001	3/22/2022	13:55	14:00	-30	-7.0	28316	6870	Riverdale Avenue



APPENDIX H

SOIL VAPOR MATRICES

NYSDOH Decision Matrix A Sample Location: El Valle			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.142		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	<0.958	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: El Valle			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.418	
Sub-Slab Concentration - cis-1,2-Dichloroethene(ug/m3)	< 6	<1.41	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: El Valle			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.48		
Sub-Slab Concentration - TRICHLOROETHENE (ug/m3)	< 6	<3.89	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: El Valle			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.387	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	<1.12	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: El Valle			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			1.37		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	27.6	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: El Valle			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			<0.48		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	<3.89	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: El Valle			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			2.29		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	<4.95	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location: El Valle			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			<0.112	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	<0.911	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location: Deli			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.574		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60	9.45	4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Deli			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.168		
Sub-Slab Concentration - cis-1,2- Dichloroethene(ug/m3)	< 6	<0.318	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Deli			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.168		
Sub-Slab Concentration - TRICHLOROETHENE (ug/m3)	< 6	<0.318	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Deli			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.426	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	0.403	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Deli			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			<0.574		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	9.45	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Deli			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			<0.462		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	<0.874	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Deli			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.852		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	3.17	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location: Deli			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			<0.108	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	<0.205	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location: Supermarket			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.134		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	<0.507	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Supermarket			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.693	
Sub-Slab Concentration - cis-1,2-Dichloroethene(ug/m3)	< 6	2.09	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Supermarket			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.165		
Sub-Slab Concentration - TRICHLOROETHENE (ug/m3)	< 6	<0.748	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Supermarket			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.209	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	<0.593	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Supermarket			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			1.35		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	3.58	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Supermarket			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			<0.454		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	<2.06	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Supermarket			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.751		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	<2.62	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location: Supermarket			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			<0.106	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	<0.482	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location: Laundromat East			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.121		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	<0.255	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Laundromat East			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.179		
Sub-Slab Concentration - cis-1,2-Dichloroethene(ug/m3)	< 6	<0.376	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Laundromat East			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.179		
Sub-Slab Concentration - TRICHLOROETHENE (ug/m3)	< 6	<0.376	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Laundromat East			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.454	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	<0.298	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Laundromat East			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.612		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	6.18	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Laundromat East			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			<0.493		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	<1.04	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Laundromat East			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			2.29		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	1.52	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location: Laundromat East			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			<0.115	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	<0.242	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE

NYSDOH Decision Matrix A Sample Location: Laundromat West			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.136		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	<0.188	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Laundromat West			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.201		
Sub-Slab Concentration - cis-1,2- Dichloroethene(ug/m3)	< 6	<0.278	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Laundromat West			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			<0.201		
Sub-Slab Concentration - TRICHLOROETHENE (ug/m3)	< 6	<0.278	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix A Sample Location: Laundromat West			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.447	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	0.353	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Laundromat West			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
				5.93	
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	58.8	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

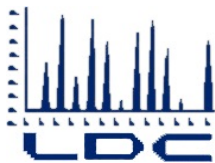
NYSDOH Decision Matrix B Sample Location: Laundromat West			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			<0.554		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	<0.766	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix B Sample Location: Laundromat West			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
				4.69	
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	<0.975	1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000		4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE

NYSDOH Decision Matrix C Sample Location: Laundromat West			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			<0.13	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	<0.179	1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above		5. MITIGATE	6. MITIGATE



APPENDIX I DUSR



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia, NY 11716
ATTN: Mr. Michael Gaul
mgaul@pwgrosser.com

June 23, 2022

SUBJECT: FAY2101 - 434 Reiverdale Ave, Yonkers - Data Usability Summary Report

Dear Mr. Gaul,

Enclosed are the final data usability summary reports for the fractions listed below. These SDGs were received on April 19, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #54080:

<u>SDG #</u>	<u>Fraction</u>
22C0596	Volatiles
22C0658	
22C1239	
22C1250	

The data validation was performed under modified Category B guidelines using quality control summaries provided by the laboratory. The analyses were validated using the following documents, as applicable to each method:

- USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry*, SOP HW-24, Revision 4 (October 2014)
- USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA 540-R-20-005 (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Kevin Kha
Project Manager/Chemist
kkha@lab-data.com

Site: FAY2101 – 434 Riverdale Ave, Yonkers
Laboratory: York Analytical Laboratories, Inc., Stratford, CT
Report No.: 22C0596
Reviewer: Felomina Tanguilig and Kevin Kha/Laboratory Data Consultants for P.W. Grosser Consulting
Date: June 22, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-002 (0-2)	22C0596-05	VOC

Associated QC Samples(s):

Field/Trip Blanks: Trip Blank, Equipment Blank
Field Duplicate pair: None Associated

The above-listed soil sample was collected on March 9, 2022 and was analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry*, SOP HW-24, Revision 4 (October 2014) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
03/16/22	ICV	Acrolein	30.2	SB-002 (0-2)	SS	UJ nondetects
		Dichlorodifluoromethane	45.8		SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The acrolein and dichlorodifluoromethane results were estimated due to second source verification exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
03/17/22	CCV	Acetone	23.9	SB-002 (0-2)	XX	J detects/UJ nondetects
		Acrolein	66.1		XX	J detects/UJ nondetects
		Bromomethane	26.2		XX	J detects/UJ nondetects
		Dichlorodifluoromethane	108		XX	J detects/UJ nondetects
		Tetrachloroethene	31.0		XX	J detects/UJ nondetects
		Vinyl chloride	44.3		XX	J detects/UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- + = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The acetone, acrolein, bromomethane, dichlorodifluoromethane, tetrachloroethene, and vinyl chloride results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the method blanks.

Contamination was detected in the trip blank sample Trip Blank and equipment blank sample Equipment Blank for VOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
Trip Blank	2-Butanone	2.45 ug/L	2xRL	SB-002 (0-2)
	2-Hexanone	0.570 ug/L	RL	
	Acetone	3.45 ug/L	2xRL	
	Chloromethane	0.270 ug/L	RL	
Equipment Blank	1,1,2-Trichloroethane	2.16 ug/L	RL	SB-002 (0-2)
	1,2-Dichloroethane	0.770 ug/L	RL	
	4-Methyl-2-pentanone	0.530 ug/L	RL	
	tert-Butyl alcohol	1.97 ug/L	RL	

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
SB-002 (0-2)	2-Butanone	0.0045 mg/Kg	0.0048U mg/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
BC22411-LCS/LCSD	4-Methyl-2-pentanone	70.7 (72-132)	-	SB-002 (0-2)	UJ nondetects
	tert-Butylbenzene	79.4 (80-127)	-		UJ nondetects
	Tetrachloroethene	78.4 (80-129)	-		UJ nondetects

- Within control limits

The 4-methyl-2-pentanone, tert-butylbenzene, and tetrachloroethene results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Dilutions were not required for the VOC analysis.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	Δ/Δ	
II.	GC/MS Instrument performance check	Δ	
III.	Initial calibration/ICV	Δ/SW	% RSD ≤ 20, r^2 ICV ≤ 30
IV.	Continuing calibration	SW	CW ≤ 20
V.	Laboratory Blanks	Δ	
VI.	Field blanks	SW	TB = Trip Blank
VII.	Surrogate spikes	A	EB = Equipment Blk
VIII.	Matrix spike/Matrix spike duplicates	N	
IX.	Laboratory control samples	SW	LOD/17
X.	Field duplicates	N	
XI.	Internal standards	Δ	
XII.	Target analyte quantitation	Δ	Results < RL > MDL = Det
XIII.	Target analyte identification	Δ	MI
XIV.	System performance	Δ	
XV.	Overall assessment of data	Δ	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	SB-002 (0-2)	22C0596-05	Soil	03/09/22
2				
3				
4				
5				
6				
7				
8				
9				

Notes:

BC22411					

Method: Volatiles (EPA SW 846 Method 8260 C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was cooler temperature criteria met?	☒	☐	☐	
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	☒	☐	☐	
Were all samples analyzed within the 12 hour clock criteria?	☒	☐	☐	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) <u>≤ 20%</u> , 15/30% and relative response factors (RRF) within method criteria?	☒	☐	☐	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of <u>> 0.990</u> ?	☒	☐	☐	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	☒	☐	☐	
Were all percent differences (%D) <u>≤ 20%</u> <u>30%</u> ?	☐	☒	☐	
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	☒	☐	☐	
Were all percent differences (%D) <u>≤ 20%</u> and relative response factors (RRF) within method criteria?	☐	☒	☐	
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	☒	☐	☐	
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	☒	☐	☐	
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	☐	☒	☐	
VI. Field blanks				
Were field blanks were identified in this SDG?	☒	☐	☐	
Were target analytes detected in the field blanks?	☒	☐	☐	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	☒	☐	☐	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	☐	☐	☒	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	☐	☐	☒	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	☐	☐	☒	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	/			
Was an LCS analyzed per analytical batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	X	/		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		/		
Were target analytes detected in the field duplicates?			/	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	/			
Were retention times within + 30 seconds of the associated calibration standard?	/			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	/			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	/			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	/			
Were chromatogram peaks verified and accounted for?	/			
Were manual integrations reviewed and found acceptable?	/			
Did the laboratory provide before and after integration printouts?	/			
XIV. System performance				
System performance was found to be acceptable.	/			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 54080A/a

VALIDATION FINDINGS WORKSHEET

Initial Calibration Verification

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260) C

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y/N N/A Was an initial calibration verification standard analyzed after each ICAL for each instrument?

Y	N	N/A	Were all %D within the validation criteria of ≤ 20 %D?

[illegible]

LDC #: 54080A 1a**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 6 of 7
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Y N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/kgSampling date: 3/9/22Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: TB Associated Samples: A11EB = Equipment Blank
TB = Trip Blank

Compound	Blank ID	Sample Identification							
	EB	TB		1					
U	2.16								
L	0.770								
Y	0.530								
222	1.97								
M	2.45	2.45		0.0045/0.0048	U				
Z		0.570							
F		3.45							
A		0.270		0.024	U				

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification							

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 540 80A /a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260) (C)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

~~Y~~ N N/A Was a LCS required?

Y/N/N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

[illegible]

LDC #: 54080A/a

VALIDATION FINDINGS WORKSHEET **Initial Calibration Calculation Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of target analyte

 C_x = Concentration of target analyte

 S = Standard deviation of the RRFs

 X = Mean of the RRFs

 A_{is} = Area of associated internal standard

 C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (<u>50</u> std)	RRF (<u>50</u> std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	1CAL	3/16/22	AAA	1.680806	1.680806	1.776225	1.776225	8.400054	8.40
			AA	0.2529192	0.2529192	0.2736263	0.2736263	9.528935	9.53
			BB	0.6673345	0.6673345	0.7148345	0.7148345	11.47553	11.48
2									
3									
4									

Comments: _____

LDC #: 54080A/a

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

 $\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$
 $\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$

Where:

ave. RRF = initial calibration average RRF

 A_x = Area of target analyte

 C_x = Concentration of target analyte

RRF = continuing calibration RRF

 A_{is} = Area of associated internal standard

 C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	cew	3/17/22 0806	aa	1.716225	1.713567	1.714	3.5	3.5
			AA	0.2736263	0.3585155	0.358	31.0	31.0
			BB	0.7148345	0.711097	0.711	0.5	0.5
2								
3								
4								

LDC #: 54080A 1a**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260) 19

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS * 100$ Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: # 1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	50.0	51.2	102	102	0
Toluene-d8	✓	49.4	98.9	98.9	↓
Bromofluorobenzene	✓	54.2	108	108	↓

Comments: _____

LDC #: 54080A/a

VALIDATION FINDINGS WORKSHEET **Laboratory Control Sample Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC/MS VOA (EPA SW 846 Method 8260) 9

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the target analytes identified below using the following calculation:

 $\% \text{ Recovery} = 100 * \text{SSC} / \text{SA}$

Where: SSC = Spiked sample concentration

SA = Spike added

 $\text{RPD} = | \text{LCSC} - \text{LCSDC} | * 2 / (\text{LCSC} + \text{LCSDC})$

LCSC = Laboratory control sample concentration

LCSDC = Laboratory control sample duplicate concentration

 LCS ID: BC22411 res 1P

Compound	Spike Added (ug/kg)		Spiked Sample Concentration (ug/kg)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	50.0	50.0	40.5	42.2	81.1	81.1	84.3	84.3	3.89	3.89
Trichloroethene			44.9	47.9	89.9	89.9	95.8	95.8	6.36	6.36
Benzene			43.6	46.2	87.2	87.2	92.4	92.4	5.81	5.81
Toluene			44.0	46.7	88.0	88.0	93.4	93.4	5.95	5.95
Chlorobenzene			46.2	48.4	92.5	92.5	96.7	96.7	4.46	4.46

 Comments: _____

LDC #: 54080A/a**VALIDATION FINDINGS WORKSHEET**
Sample Calculation VerificationPage: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260 C)

The concentration of the sample was calculated for the target analytes identified below using the following calculation:

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

 A_x = Area of the characteristic ion (EICP) for the target analyte to be measured A_{is} = Area of the characteristic ion (EICP) for the specific internal standard I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

 V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

 $\%S$ = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1, 888

$$\text{Conc.} = \frac{529826 (50.0) (5) (1/1000)}{468350 (1.77622) (6.57) (0.7942)}$$

$$= 0.0305 \text{ mg/kg}$$

$$\%S = 79.42$$
$$5/6.57$$

#	Sample ID	Compound	Reported Concentration (mg/kg)	Calculated Concentration (mg/kg)	Qualification
	#1	888	0.031	0.0305	

Site: FAY2101 – 434 Riverdale Ave, Yonkers
Laboratory: York Analytical Laboratories, Inc., Stratford, CT
Report No.: 22C0658
Reviewer: Felomina Tanguilig and Kevin Kha/Laboratory Data Consultants for P.W. Grosser Consulting
Date: June 22, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SB-007 (0-2)	22C0658-03	VOC

Associated QC Samples(s):

Field/Trip Blanks: Trip Blank, Equipment Blank

Field Duplicate pair: None Associated

The above-listed soil sample was collected on March 10, 2022 and was analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry*, SOP HW-24, Revision 4 (October 2014) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Moisture Content
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
03/16/22	ICV	Acrolein	30.2	SB-007 (0-2)	SS	UJ nondetects
		Dichlorodifluoromethane	45.8		SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The acrolein and dichlorodifluoromethane results were estimated due to second source verification exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
03/17/22	CCV	Acetone	23.9	SB-007 (0-2)	XX	J detects/UJ nondetects
		Acrolein	66.1		XX	J detects/UJ nondetects
		Bromomethane	26.2		XX	J detects/UJ nondetects
		Dichlorodifluoromethane	108		XX	J detects/UJ nondetects
		Tetrachloroethene	31.0		XX	J detects/UJ nondetects
		Vinyl chloride	44.3		XX	J detects/UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- + = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The acetone, acrolein, bromomethane, dichlorodifluoromethane, tetrachloroethene, and vinyl chloride results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the method blanks.

Contamination was detected in the trip blank sample Trip Blank for VOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
Trip Blank	2-Butanone	2.72 ug/L	2xRL	SB-007 (0-2)
	2-Hexanone	0.610 ug/L	RL	
	Acetone	3.44 ug/L	2xRL	

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.

Qualified sample results are listed in the table below.

Sample ID	Compound	Level Detected	Validation Action
SB-007 (0-2)	Acetone	0.016 ug/Kg	0.016U ug/Kg

These results can be used for project objectives as nondetects (U) which may have a minor impact on the data usability.

No positive results were found in the equipment blank sample Equipment Blank for VOC analysis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were not associated with this sample set. Validation action was not required on this basis.

LCS Results

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
BC22411-LCS/LCSD	4-Methyl-2-pentanone	70.7 (72-132)	-	SB-002 (0-2)	J detects/UJ nondetects
	tert-Butylbenzene	79.4 (80-127)	-		J detects/UJ nondetects
	Tetrachloroethene	78.4 (80-129)	-		J detects/UJ nondetects

- Within control limits

The 4-methyl-2-pentanone, tert-butylbenzene, and tetrachloroethene results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Moisture Content

All criteria were met.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Dilutions were not required for the VOC analysis.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 54080B1a **VALIDATION COMPLETENESS WORKSHEET**
 SDG #: 22C0658 Category B
 Laboratory: York Analytical Laboratories, Inc., Stratford, CT

Date: 6/2/22
 Page: 1 of 1
 Reviewer: [Signature]
 2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	Δ	
II.	GC/MS Instrument performance check	Δ	
III.	Initial calibration/ICV	Δ GW	0% PSD ≤ 20, 12 ICV ≤ 30
IV.	Continuing calibration	SW	CW ≤ 20
V.	Laboratory Blanks	Δ	
VI.	Field blanks	SW	EB = Equipment Blank
VII.	Surrogate spikes	Δ	TB = Trip Blank
VIII.	Matrix spike/Matrix spike duplicates	N	AS
IX.	Laboratory control samples	SW	ICS ID
X.	Field duplicates	N	
XI.	Internal standards	Δ	
XII.	Target analyte quantitation	Δ	Results < RL > MDL = Idet
XIII.	Target analyte identification	Δ	
XIV.	System performance	Δ	
XV.	Overall assessment of data	Δ	

Note: A = Acceptable
 N = Not provided/applicable
 SW = See worksheet

ND = No compounds detected
 R = Rinsate
 FB = Field blank

D = Duplicate
 TB = Trip blank
 EB = Equipment blank

SB=Source blank
 OTHER:

	Client ID	Lab ID	Matrix	Date
1	SB-007 (0-2)	22C0658-03	Soil	03/10/22
2				
3				
4				
5				
6				
7				
8				
9				

Notes:

BC22411				

Method: Volatiles (EPA SW 846 Method 8260) C

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was cooler temperature criteria met?	☒	☐	☐	
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	☒	☐	☐	
Were all samples analyzed within the 12 hour clock criteria?	☒	☐	☐	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) $\leq 20\%$, 15/30% and relative response factors (RRF) within method criteria?	☒	☐	☐	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of > 0.990 ?	☒	☐	☐	
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	☒	☐	☐	
Were all percent differences (%D) $\leq 20\%$ 30%?	☐	☒	☐	
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	☒	☐	☐	
Were all percent differences (%D) $\leq 20\%$ and relative response factors (RRF) within method criteria?	☐	☒	☐	
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	☒	☐	☐	
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	☒	☐	☐	
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	☐	☒	☐	
VI. Field blanks				
Were field blanks were identified in this SDG?	☒	☐	☐	
Were target analytes detected in the field blanks?	☒	☐	☐	
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	☒	☐	☐	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	☐	☐	☒	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	☐	☐	☒	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	☐	☐	☒	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	☒	☐	☐	
Was an LCS analyzed per analytical batch?	☒	☐	☐	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	☐	☒	☐	
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	☐	☒	☐	
Were target analytes detected in the field duplicates?	☐	☐	☒	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	☒	☐	☐	
Were retention times within + 30 seconds of the associated calibration standard?	☒	☐	☐	
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	☒	☐	☐	
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	☒	☐	☐	
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	☒	☐	☐	
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	☒	☐	☐	
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	☒	☐	☐	
Were chromatogram peaks verified and accounted for?	☒	☐	☐	
Were manual integrations reviewed and found acceptable?	☒	☐	☐	
Did the laboratory provide before and after integration printouts?	☐	☒	☐	
XIV. System performance				
System performance was found to be acceptable.	☒	☐	☐	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	☒	☐	☐	

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 54080B/a

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Field Blanks

Reviewer: FTMETHOD: GC/MS VOA (EPA SW 846 Method 8260) CY N N/A Were field blanks identified in this SDG?Y N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/LSampling date: 3/10/22Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: TB Associated Samples: A11

Compound	Blank ID	Sample Identification							
	TB			1					
M	2.72								
Z	0.610								
F	3.44			0.016 U					

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____ Associated Samples: _____

Compound	Blank ID	Sample Identification							

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 54080B/a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260 *C*)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y	N	N/A	Was a LCS required?

Y	N	N/A	Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

[illegible]

LDC #: 54080A/a

VALIDATION FINDINGS WORKSHEET **Initial Calibration Calculation Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of target analyte

 C_x = Concentration of target analyte

 S = Standard deviation of the RRFs

 X = Mean of the RRFs

 A_{is} = Area of associated internal standard

 C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (<u>50</u> std)	RRF (<u>50</u> std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	1CAL	3/16/22	AAA	1.680806	1.680806	1.776225	1.776225	8.400054	8.40
			AA	0.2529192	0.2529192	0.2736263	0.2736263	9.528935	9.53
			BB	0.6673345	0.667334	0.7148345	0.7148345	11.47553	11.48
2									
3									
4									

Comments: _____

LDC #: 54080A1a

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$$

$$\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$$

Where:

ave. RRF = initial calibration average RRF

 A_x = Area of target analyte

 C_x = Concentration of target analyte

RRF = continuing calibration RRF

 A_{is} = Area of associated internal standard

 C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	LEV	3/17/22 0806	GBQ	1.776225	1.713567	1.714	3.5	3.5
			AA	0.2736263	0.358515	0.358	31.0	31.0
			BB	0.7148345	0.711097	0.711	0.5	0.5
2								
3								
4								

LDC #: 54080A¹**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260 ^C)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane					
1,2-Dichloroethane-d4	50.0	51.8	104	104	0
Toluene-d8	↓	49.0	98.1	98.1	↓
Bromofluorobenzene	↓	53.5	107	107	↓

Comments: _____

LDC #: 54080A/a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample Results Verification

Page: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the target analytes identified below using the following calculation:

% Recovery = $100 * \text{SSC} / \text{SA}$

Where: SSC = Spiked sample concentration

SA = Spike added

 $\text{RPD} = | \text{LCSC} - \text{LCSDC} | * 2 / (\text{LCSC} + \text{LCSDC})$

LCSC = Laboratory control sample concentration

LCSDC = Laboratory control sample duplicate concentration

LCS ID: BC22411 ves 1D

Compound	Spike Added (ug/kg)		Spiked Sample Concentration ()		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	50	50	40.5	42.2	81.1	81.1	84.3	84.3	3.89	3.89
Trichloroethene	↓	↓	44.9	47.9	89.9	89.9	95.8	95.8	6.36	6.36
Benzene	↓	↓	43.6	46.2	87.2	87.2	92.4	92.4	5.81	5.81
Toluene	↓	↓	44.0	46.7	88.0	88.0	93.4	93.4	5.95	5.95
Chlorobenzene	↓	↓	46.2	48.4	92.5	92.5	96.7	96.7	4.46	4.46

Comments: _____

LDC #: 54080B/a

VALIDATION FINDINGS WORKSHEET **Sample Calculation Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The concentration of the sample was calculated for the target analytes identified below using the following calculation:

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the target analyte to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

 Sample I.D. #1, AA

$$\text{Conc.} = \frac{(78771)(150)(1/1000)(5)}{(1966145)(0.273626)(311)(0.8400)}$$

$$= 0.014 \text{ mg/Kg}$$

#	Sample ID	Compound	Reported Concentration (mg/Kg)	Calculated Concentration (mg/Kg)	Qualification
	#1	AA	0.014	0.014	-

FAY2101 – 434 Riverdale Ave, Yonkers, NYSDEC

Site: FAY2101 – 434 Riverdale Ave, Yonkers
Laboratory: York Analytical Laboratories, Inc., Stratford, CT
Report No.: 22C1239
Reviewer: Felomina Tanguilig and Kevin Kha/Laboratory Data Consultants for P.W. Grosser Consulting
Date: June 22, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
SV-Deli	22C1239-03	VOC

Associated QC Samples(s):

Field/Trip Blanks: None Associated

Field Duplicate pair: None Associated

The above-listed air sample was collected on March 22, 2022 and were analyzed for volatile organic compounds (VOCs) by method TO-15. The data validation was performed in accordance with the USEPA Region 2 *Analysis of Volatile Organic Compounds in Air Contained Canisters*, SOP HW-31, Revision 6 (September 2016) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Laboratory Duplicate Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial calibration:

All criteria were met.

Continuing calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
03/28/22	CCV	2-Hexanone	31.5	SV-Deli	XX	J detects/UJ nondetects
		Acetone	36.5		XX	J detects/UJ nondetects
		Chloromethane	30.4		XX	J detects/UJ nondetects
		Isopropanol	42.6		XX	J detects/UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 30; estimate (J/UJ) positive and nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

The 2-hexanone, acetone, chloromethane, and isopropanol results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as estimated values (J) or nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was not detected in the method blanks.

A field blank was not associated with this sample set. Validation action was not required on this basis.

Surrogate Recoveries

All criteria were met.

Laboratory Duplicate Results

Laboratory duplicates were not associated with this sample set. Validation action was not required on this basis.

LCS Results

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
BC22981	2-Hexanone	68.4 (70-130)	-	SV-Deli	J detects
BC22981	Vinyl chloride	133 (70-130)	-	SV-Deli	None

- Within control limits

The 2-hexanone results may be biased low due to low LCS/LCSD percent recovery. The result can be used for project objectives as an estimated value (J) which may have a minor impact on the data usability.

Validation action was not required for vinyl chloride due to high LCS/LCSD percent recovery as positive results only are affected and this compound was not detected in the associated sample.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

No results were reported below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis.

Due to high target compound levels or difficult sample matrix, select samples were analyzed at dilutions. The following table lists the sample dilutions which were performed and the results reported. RLs were elevated accordingly.

Sample	VOC Analysis Reported
SV-Deli	1.6-fold dilution due to nature of sample matrix

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 54080C8 **VALIDATION COMPLETENESS WORKSHEET**

SDG #: 22C1239 Category B

Laboratory: York Analytical Laboratories, Inc., Stratford, CT

Date: 6/2/22

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA Method TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	% RSD ≤ 30 ICV ≤ 30
IV.	Continuing calibration	SW	CCV ≤ 30
V.	Laboratory Blanks	A	canister check per batch
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	
IX.	Laboratory control samples	SW	
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	A	No Results $< PL > MDL$
XIII.	Target analyte identification	A	MI
XIV.	System performance	A	
XV.	Leak Check Compounds	N	
XVI.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	SV-Deli 1.6x	22C1239-03	Air	03/22/22
2				
3				
4				
5				
6				
7				
8				

Notes:

PC22981					

Method: Volatiles (EPA Method TO-15)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was canister pressure criteria met?	☒	☐	☐	
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	☒	☐	☐	
Were all samples analyzed within the 24 hour clock criteria?	☒	☐	☐	
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) $\leq$ 30%?	☒	☐	☐	
IIIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after every ICAL for each instrument?	☒	☐	☐	
Were all percent differences (%D) $\leq$ 30%?	☒	☐	☐	
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 24 hours for each instrument?	☒	☐	☐	
Were all percent differences (%D) $\leq$ 30%?	☒	☐	☐	
V. Laboratory Blanks/Canister Blanks				
Was a laboratory blank associated with every sample in this SDG?	☒	☐	☐	
Was a laboratory blank analyzed at least once every 24 hours for each matrix and concentration?	☒	☐	☐	
Was there contamination in the laboratory blanks?	☐	☒	☐	
Was a canister blank analyzed for every canister?	☒	☐	☐	
Was there contamination in the canister blanks?	☐	☒	☐	
VI. Field Blanks				
Were field blanks identified in this SDG?	☐	☒	☐	
Were target compounds detected in the field blanks?	☐	☐	☒	
VII. Surrogate spikes (Optional)				
Were all surrogate percent recoveries (%R) within QC limits?	☒	☐	☐	
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?	☐	☐	☒	
VIII. Laboratory Duplicate				
Was a laboratory duplicate analyzed for this SDG?	☐	☐	☒	
Were the relative percent differences (RPD) within the QC limits?	☐	☐	☒	

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed per analytical batch for this SDG?	☒	☐	☐	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	☐	☒	☐	
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	☐	☒	☐	
Were target compounds detected in the field duplicates?	☐	☐	☒	
XI. Internal standards				
Were internal standard area counts within $\pm 40\%$ from the associated calibration standard?	☒	☐	☐	
Were retention times within ± 20.0 seconds from the associated calibration standard?	☒	☐	☐	
XII. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	☒	☐	☐	
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	☒	☐	☐	
Were compound quantitation and RLs adjusted to reflect all sample dilutions applicable to level IV validation?	☒	☐	☐	
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	☒	☐	☐	
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	☒	☐	☐	
Were chromatogram peaks verified and accounted for?	☒	☐	☐	
XIV. System performance				
System performance was found to be acceptable.	☒	☐	☐	
XV. Leak check compounds				
Was a leak check compound used to evaluate sample integrity and included in the laboratory analyte list?	☒	☐	☐	
Was the leak check compound detected in the samples? If yes, please see leak check validation findings worksheet.	☒	☐	☐	
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	☒	☐	☐	

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 5408008

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8200) 7015

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y	N	N/A	Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y	N	N/A	Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y N N/A Were all %D and RRFs within the validation criteria of $\leq 20\%$ %D and ≥ 0.05 RRF ? 30%

[illegible]

LDC #: 5408028

VALIDATION FINDINGS WORKSHEET

Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260) 17015

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y	N	N/A	Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

[illegible]

LDC #: 5408008

VALIDATION FINDINGS WORKSHEET **Initial Calibration Calculation Verification**

Page: 1 of 1
 Reviewer: FT

METHOD: GC/MS VOA (EPA Method TO-15)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the compounds identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of compound, C_x = Concentration of compound, S = Standard deviation of the RRFs X = Mean of the RRFs A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (σ std)	RRF (σ std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	1CAL	12/27/21	✓	2.241091	2.241091	2.240419	2.240419	10.80595	10.81
			cc	1.309094	1.309094	1.119945	1.119945	17.2762	17.28
			BP	0.7475505	0.7475505	0.7856572	0.785657	9.959481	9.96
2									
3									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 5408008

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC/MS VOA (EPA TO-15)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$
 $\text{RRF} = (A_x)(C_{is}) / (A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF

RRF = continuing calibration RRF

 A_x = Area of compound, A_{is} = Area of associated internal standard C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference internal Standard)	Average RRF (initial)	Reported	Recalculated	Reported	Recalculated
					RRF (CC)	RRF (CC)	%D	%D
1	ce	3/28/22	✓	2.240419	2.625448	2.625	17.2	17.2
		2015	ce	1.119945	1.020525	1.021	8.9	8.9
			BB	0.785672	0.7376736	0.7377	6.1	6.1
2								
3								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification**METHOD:** GC/MS Volatiles (EPA Method TO-15)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS \times 100$

Where: SF = Surrogate Found

SS = Surrogate Spiked

Sample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene	10.0	9.31	NR	93.1	0
1,2-Dichloroethane-d4					
Octafluorotoluene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Octafluorotoluene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Octafluorotoluene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Octafluorotoluene					

Sample ID: _____

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Toluene-d8					
Bromofluorobenzene					
1,2-Dichloroethane-d4					
Octafluorotoluene					

VALIDATION FINDINGS WORKSHEET **Laboratory Control Sample Results Verification**

METHOD: GC/MS VOA (EPA Method TO-15)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the compounds identified below using the following calculation:

% Recovery = $100 * SSC/SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

RPD = $|LCS - LCSD| * 2 / (LCS + LCSD)$

LCS = Laboratory control sample percent recovery

LCSD = Laboratory control sample duplicate percent recovery

LCS ID: BC22981 - L07

Compound	Spike Added (ppb)		Spiked Sample Concentration (ppb)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
N	10	NA	10.7	NA	107	107				
BB	10		9.56		95.6	95.6				
I	↓		11.3		113	113				
H			10.0		100	100				
A			12.8		128	128				
Q&Q			11.0		110	110				

Comments: Refer to Laboratory Control Sample findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

METHOD: GC/MS VOA (EPA Method TO-15)

Y N N/A

Were all reported results recalculated and verified for all level IV samples?

Y	N	N/A

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_s)(RRF)(V_o)(\%S)}$$

Example:

Sample I.D. #1, ✓:

Conc. = 12650 (10)

543047 (2.240)

15

0.10 ppbv

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
RRF	=	Relative response factor of the calibration standard.
V_o	=	Volume or weight of sample pruged in milliliters (ml) or grams (g).
Df	=	Dilution factor.
%S	=	Percent solids, applicable to soils and solid matrices only.

[illegible]

Site: FAY2101 – 434 Riverdale Ave, Yonkers
Laboratory: York Analytical Laboratories, Inc., Stratford, CT
Report No.: 22C1250
Reviewer: Felomina Tanguilig and Kevin Kha/Laboratory Data Consultants for P.W. Grosser Consulting
Date: June 22, 2022

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	FRACTIONS VALIDATED
MW002	22C1250-04	VOC
MW002MS	22C1250-04MS	VOC
MW002MSD	22C1250-04MSD	VOC

Associated QC Samples(s):

Field/Trip Blanks: Trip Blank, Equipment Blank

Field Duplicate pair: None Associated

The above-listed water sample was collected on March 21, 2022 and was analyzed for volatile organic compounds (VOCs) by SW-846 method 8260C. The data validation was performed in accordance with the USEPA Region 2 *Standard Operating Procedure for Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry*, SOP HW-24, Revision 4 (October 2014) and the USEPA *Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA 540-R-20-005 (November 2020), modified as necessary to accommodate the non-CLP methodologies used.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) Results
- Laboratory Control Sample (LCS) Results
- Internal Standards
- Field Duplicate Results
- Quantitation Limits and Data Assessment
- Sample Quantitation and Compound Identification

Overall Evaluation of Data and Potential Usability Issues

All results are usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers.

The validation findings were based on the following information.

Data Completeness

The data package was complete as defined under the requirements for the NYSDEC ASP category B laboratory deliverables.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Initial Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
01/21/22	ICV	Acrolein	47.4	MW002	SS	UJ nondetects

X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.

XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.

SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.

+ = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The acrolein result was estimated due to second source verification exceedance. The bias cannot be determined. The result can be used for project objectives as a nondetect with an estimated quantitation limit (UJ) which may have a minor impact on the data usability.

Continuing Calibration:

Compounds that did not meet criteria are summarized in the following table.

Date	Instrument ID	Compound	CC %D	Associated Samples		Validation Action
03/24/22	CCV	1,2,3-Trichlorobenzene	20.7	MW002	XX	UJ nondetects
		1,2-Dibromo-3-chloropropane	30.8		XX	UJ nondetects
		Acrolein	22.5		XX	UJ nondetects
		Dichlorodifluoromethane	32.2		XX	UJ nondetects
		Naphthalene	22.6		XX	UJ nondetects
		Vinyl chloride	32.5		XX	UJ nondetects

- X = Initial calibration (IC) relative standard deviation (%RSD) > 20; estimate (J/UJ) positive and nondetect results.
- XX = Continuing calibration (CC) percent difference (%D) > 20; estimate (J/UJ) positive and nondetect results.
- SS = Second source verification percent difference (%D) > 30; estimate (J/UJ) positive and nondetect results.
- + = Response factor (RRF) < validation criteria; estimate (J/UJ) positive and nondetect results.

The 1,2,3-trichlorobenzene, 1,2-dibromo-3-chloropropane, acrolein, dichlorodifluoromethane, naphthalene, and vinyl chloride results were estimated due to continuing calibration exceedances. The bias cannot be determined. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Blanks

Contamination was detected in the associated VOC method blank samples. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Blank ID	Compound	Level Detected	Action Level	Associated Samples
BC22848-MB	Methylene chloride	1.13 ug/L	2xRL	MW002

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and ≤ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and ≤ the Action Level, qualify the result as not detected (U) at the reported concentration.
- If the sample concentration was > the RL and > the Action Level, qualification of the data was not required.

No samples were qualified since the associated sample results were nondetect.

Contamination was detected in the trip blank sample Trip Blank for VOC analysis. The presence of blank contamination indicates that false positives may exist for these compounds in the associated samples. Action Levels (ALs) were established at <2x RL (for common contaminants) and <RL (for other contaminants) of the concentrations detected. The following table summarizes the contamination detected.

Field Blank ID	Compound	Level Detected	Action Level	Associated Samples
Trip Blank	2-Butanone	2.76 ug/L	2xRL	MW002
	2-Hexanone	0.540 ug/L	RL	
	Acetone	3.47 ug/L	2xRL	

Sample results were qualified as follows:

- If sample concentration was < the reporting limit (RL) and $\leq$ the Action Level, qualify the result as a nondetect (U) at the RL.
- If sample concentration was > the RL and $\leq$ the Action Level, qualify the result as not detected (U) at the reported concentration.

No samples were qualified since the associated sample results were nondetect.

No positive results were found in the equipment blank sample Equipment Blank for VOC analysis.

Surrogate Recoveries

All criteria were met.

MS/MSD Results

MS/MSD analyses were performed on sample MW002 for VOC analysis. The following table lists the MS/MSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

MS ID	Compound	MS %R (Limits)	MS/D %R (Limits)	Affected Sample	Validation Action
MW002MS/MSD	Cyclohexane	68.7 (70-130)	-	MW002	UJ nondetects
	Methyl-tert-butyl ether	74.4 (75-128)	-		UJ nondetects
	Bromomethane	-	33.5 (30-158)		UJ nondetects

- Within control limits

The cyclohexane, methyl-tert-butyl ether, and bromomethane results may be biased low due to low MS/MSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

LCS Results

The following table lists the LCS/LCSD percent recoveries (%R) outside of control limits in the VOC analysis and the resulting validation actions.

LCS ID	Compound	LCS %R (Limits)	LCS/D %R (Limits)	Affected Sample	Validation Action
BC22848-LCS/LCSD	Dibromochloromethane	79.9 (80-130)	-	MW002	UJ nondetects
	tert-Butylbenzene	74.6 (77-138)	-		UJ nondetects
	1,1,2-Trichloroethane	81.4 (82-123)	-		UJ nondetects
	1,2,3-Trichlorobenzene	74.4 (76-136)	-		UJ nondetects
	1,2-Dibromoethane	82.1 (83-124)	-		UJ nondetects
BC22848-LCS/LCSD	1,3-Dichlorobenzene	-	83.2 (86-122)	MW002	None
	1,4-Dichlorobenzene	-	84.8 (85-124)		None

- Within control limits

The dibromochloromethane, tert-butylbenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,1,2-trichloroethane, 1,2,3-trichlorobenzene, and 1,2-dibromoethane results may be biased low due to low LCS/LCSD percent recoveries. The results can be used for project objectives as nondetects with estimated quantitation limits (UJ) which may have a minor impact on the data usability.

Internal Standards

All criteria were met.

Field Duplicate Results

A field duplicate pair was not associated with this sample set. Validation action was not required on this basis.

Quantitation Limits and Data Assessment

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the VOC analysis. These results were qualified as estimated (J) by the laboratory.

Dilutions were not required for the VOC analysis.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

DATA VALIDATION QUALIFIERS

- U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.
- J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified “J” data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The ‘J’ data may be biased high or low or the direction of the bias may be indeterminable.
- UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified “UJ” data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The ‘UJ’ data may be biased low.
- JN - The analysis indicates the presence of a compound that has been “tentatively identified” (N) and the associated numerical value represents its approximate (J) concentration.
- R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

LDC #: 54080D1a **VALIDATION COMPLETENESS WORKSHEET**

SDG #: 22C1250 Category B

Laboratory: York Analytical Laboratories, Inc., Stratford, CT

Date: 6/2/22

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260C)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A Δ	
II.	GC/MS Instrument performance check	Δ	
III.	Initial calibration/ICV	Δ SW	% PSD = 20, 12 ICV = 30
IV.	Continuing calibration	SW	CCV = 20
V.	Laboratory Blanks	SW	*
VI.	Field blanks	SW	EB = EB TB = TB
VII.	Surrogate spikes	Δ	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	
X.	Field duplicates	N	
XI.	Internal standards	Δ	
XII.	Target analyte quantitation	Δ	Results < RL > MDL = Jdt
XIII.	Target analyte identification	Δ	
XIV.	System performance	Δ	
XV.	Overall assessment of data	Δ	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	MW002	22C1250-04	Water	03/21/22
2	MW002MS	22C1250-04MS	Water	03/21/22
3	MW002MSD	22C1250-04MSD	Water	03/21/22
4				
5				
6				
7				
8				
9				

Notes:

B022848						

Method: Volatiles (EPA SW 846 Method 8260C)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. GC/MS Instrument performance check				
Were the BFB performance results reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) $\leq 20\%$, 15/30% and relative response factors (RRF) within method criteria?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990 ?	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) $\leq 20\%$ 30%?		✓		
IV. Continuing calibration				
Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?	✓			
Were all percent differences (%D) $\leq 20\%$ and relative response factors (RRF) within method criteria?		✓		
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed at least once every 12 hours for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation findings worksheet.	✓			
VI. Field blanks				
Were field blanks were identified in this SDG?	✓			
Were target analytes detected in the field blanks?	✓			
VII. Surrogate spikes				
Were all surrogate percent recovery (%R) within QC limits?	✓			
If the percent recovery (%R) for one or more surrogates was out of QC limits, was a reanalysis performed to confirm samples with %R outside of criteria?			✓	
VIII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		

Validation Area	Yes	No	NA	Findings/Comments
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	/			
Was an LCS analyzed per analytical batch?	/			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		/		
X. Field duplicates				
Were field duplicate pairs identified in this SDG?		/		
Were target analytes detected in the field duplicates?			/	
XI. Internal standards				
Were internal standard area counts within -50% to +100% of the associated calibration standard?	/			
Were retention times within + 30 seconds of the associated calibration standard?	/			
XII. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the target analyte?	/			
Were target analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
XIII. Target analyte identification				
Were relative retention times (RRT's) within + 0.06 RRT units of the standard?	/			
Did analyte spectra meet specified EPA "Functional Guidelines" criteria?	/			
Were chromatogram peaks verified and accounted for?	/			
Were manual integrations reviewed and found acceptable?	/			
Did the laboratory provide before and after integration printouts?			/	
XIV. System performance				
System performance was found to be acceptable.	/			
XV. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane
C. Vinyl chloride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO. 1,1-Difluoroethane	O1. 3-Methylpentane
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3-Trimethylbutane
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methyl cyclohexane	T1. 2-Methylhexane
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Diisopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1.

LDC #: 540800/a

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260) *C*

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

~~Y/N~~ N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?

Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?

Y/N/A	Were all %D and RRFs within the validation criteria of ≤ 20 %D and ≥ 0.05 RRF ?

[illegible]

LDC #: 540 80D/a**VALIDATION FINDINGS WORKSHEET**
BlanksPage: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260 Q)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a method blank associated with every sample in this SDG?Y N N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?Y N N/A Was there contamination in the method blanks? If yes, please see the qualifications below.Blank analysis date: 3/24/22Conc. units: ug/l

Associated Samples:

A1) (ND)

Compound	Blank ID	Sample Identification							
	<u>BC72848</u>	<u>MB</u>							
<u>F</u>	<u>1.13</u>								

Blank analysis date: _____

Conc. units: _____

Associated Samples: _____

Compound	Blank ID	Sample Identification							

All results were qualified using the criteria stated below except those circled.

Note: Common contaminants such as Methylene chloride, Acetone, 2-Butanone, Carbon disulfide and TICs that were detected in samples within ten times the associated method blank concentration were qualified as not detected, "U". Other contaminants within five times the method blank concentration were also qualified as not detected, "U".

LDC #: 5408006**VALIDATION FINDINGS WORKSHEET**
Field BlanksPage: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260) CY/N N/A Were field blanks identified in this SDG?Y/N N/A Were target compounds detected in the field blanks?Blank units: ug/L Associated sample units: ug/LSampling date: 3/21/22Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: TB

TB = TB

Associated Samples: all (ND)

Compound	Blank ID	Sample Identification								
	TB									
M	2.76									
Z	0.540									
F	3.47									

Blank units: _____ Associated sample units: _____

Sampling date: _____

Field blank type: (circle one) Field Blank / Rinsate / Trip Blank / Other: _____

Associated Samples: _____

Compound	Blank ID	Sample Identification								

CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:

Common contaminants such as Methylene chloride, Acetone, 2-Butanone and Carbon disulfide that were detected in samples within ten times the associated field blank concentration were qualified as not detected, "U". Other contaminants within five times the field blank concentration were also qualified as not detected, "U".

LDC #: 540 800/a

VALIDATION FINDINGS WORKSHEET

Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N, N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

[illegible]

LDC #: 54080D/a

VALIDATION FINDINGS WORKSHEET **Initial Calibration Calculation Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC/MS VOA (EPA SW 846 Method 8260 G)

The Relative Response Factor (RRF), average RRF, and percent relative standard deviation (%RSD) were recalculated for the target analytes identified below using the following calculations:

$$RRF = (A_x)(C_{is}) / (A_{is})(C_x)$$

average RRF = sum of the RRFs/number of standards

$$\%RSD = 100 * (S/X)$$

 A_x = Area of target analyte

 C_x = Concentration of target analyte

 S = Standard deviation of the RRFs

 X = Mean of the RRFs

 A_{is} = Area of associated internal standard

 C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				RRF (<u>20</u> std)	RRF (<u>20</u> std)	Average RRF (initial)	Average RRF (initial)	%RSD	%RSD
1	ICAL	1/21/22	~~K FT~~	~~1.577518~~	~~1.577518~~	~~5.38629~~	~~5.38629~~	~~4.951~~	~~4.951~~
			AA	0.228303	0.228303	0.232792	0.232792	6.418932	6.4189
			BPB	0.7280623	0.7280623	0.5239088	0.5239088	7.113233	7.1132
			K	1.577518	1.577518	1.554357	1.554357	5.38629	5.38629
2									
3									
4									

Comments: _____

LDC #: 54080D k**VALIDATION FINDINGS WORKSHEET**
Continuing Calibration Results VerificationPage: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260 C)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the target analytes identified below using the following calculation:

% Difference = $100 * (\text{ave. RRF} - \text{RRF}) / \text{ave. RRF}$

Where:

ave. RRF = initial calibration average RRF

 A_x = Area of target analyte C_x = Concentration of target analyte

RRF = continuing calibration RRF

 A_{is} = Area of associated internal standard C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Target Analyte (Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	KCV	3/24/12 1057	K	1.554357	1.432147	1.432147	7.9	7.9
			AA	0.232792	0.223345	0.223345	4.1	4.1
			BID	0.523908	0.456030	0.456030	13.0	13.0
2								
3								
4								

LDC #: 540 80D/a**VALIDATION FINDINGS WORKSHEET**
Surrogate Results VerificationPage: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260 4)

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS \times 100$ Where: SF = Surrogate Found
SS = Surrogate SpikedSample ID: #1

	Surrogate Spiked	Surrogate Found	Percent Recovery Reported	Percent Recovery Recalculated	Percent Difference
Dibromofluoromethane			<u>106</u>		
1,2-Dichloroethane-d4	<u>10.0</u>	<u>10.6</u>	<u>106</u>	<u>106</u>	<u>0</u>
Toluene-d8	<u>↓</u>	<u>10.1</u>	<u>101</u>	<u>101</u>	<u>0</u>
Bromofluorobenzene	<u>↓</u>	<u>10.1</u>	<u>101</u>	<u>101</u>	<u>↓</u>

Comments: _____

LDC #: 546800/a

VALIDATION FINDINGS WORKSHEET **Matrix Spike/Matrix Spike Duplicates Results Verification**

Page: 1 of 1
 Reviewer: FT

METHOD: GC/MS VOA (EPA Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the matrix spike and matrix spike duplicate were recalculated for the target analytes identified below using the following calculation:

% Recovery = $100 * (SSC - SC) / SA$

Where: SSC = Spiked sample concentration
 SA = Spike added

SC = Sample concentration

RPD = $|MSC - MSC| * 2 / (MSC + MSDC)$

MSC = Matrix spike concentration

MSDC = Matrix spike duplicate concentration

MS/MSD sample: 2 + 3

Compound	Spike Added (ug/L)		Sample Concentration (ug/L)	Spiked Sample Concentration (ug/L)		Matrix Spike		Matrix Spike Duplicate		MS/MSD	
						Percent Recovery		Percent Recovery		RPD	
	MS	MSD		MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
1,1-Dichloroethene	10.0	10.0	ND	9.13	9.56	91.3	91.3	95.6	95.6	4.60	4.60
Trichloroethene				8.15	8.57	81.5	81.5	85.7	85.7	5.02	5.02
Benzene				8.11	8.49	81.1	81.1	84.9	84.9	4.58	4.58
Toluene				8.59	9.05	85.9	85.9	90.5	90.5	5.22	5.22
Chlorobenzene				8.44	8.93	84.4	84.4	89.3	89.3	5.64	5.64

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 540800/a

VALIDATION FINDINGS WORKSHEET **Laboratory Control Sample Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC/MS VOA (EPA SW 846 Method 8260 C)

The percent recoveries (%R) and Relative Percent Difference (RPD) of the laboratory control sample and laboratory control sample duplicate (if applicable) were recalculated for the target analytes identified below using the following calculation:

 $\% \text{ Recovery} = 100 * \text{SSC} / \text{SA}$

Where: SSC = Spiked sample concentration

SA = Spike added

 $\text{RPD} = | \text{LCSC} - \text{LCSDC} | * 2 / (\text{LCSC} + \text{LCSDC})$

LCSC = Laboratory control sample concentration

LCSDC = Laboratory control sample duplicate concentration

LCS ID: BC22848-LCS

Compound	Spike Added (<u>10.0</u> <u>µg/L</u>)		Spiked Sample Concentration (<u>10.0</u> <u>µg/L</u>)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
1,1-Dichloroethene	<u>10.0</u>	<u>10.0</u>	<u>9.72</u>	<u>9.18</u>	<u>97.2</u>	<u>97.2</u>	<u>91.8</u>	<u>91.8</u>	<u>5.71</u>	<u>5.71</u>
Trichloroethene			<u>8.72</u>	<u>8.38</u>	<u>87.2</u>	<u>87.2</u>	<u>83.8</u>	<u>83.8</u>	<u>3.98</u>	<u>3.98</u>
Benzene			<u>8.86</u>	<u>8.59</u>	<u>88.6</u>	<u>88.6</u>	<u>85.9</u>	<u>85.9</u>	<u>3.09</u>	<u>3.09</u>
Toluene			<u>9.24</u>	<u>8.97</u>	<u>92.4</u>	<u>92.4</u>	<u>89.7</u>	<u>89.7</u>	<u>2.97</u>	<u>2.97</u>
Chlorobenzene	<u>↓</u>	<u>↓</u>	<u>9.27</u>	<u>9.06</u>	<u>92.7</u>	<u>92.7</u>	<u>90.6</u>	<u>90.6</u>	<u>2.29</u>	<u>2.29</u>

 Comments: _____

LDC #: 570 800/a**VALIDATION FINDINGS WORKSHEET**
Sample Calculation VerificationPage: 1 of 1
Reviewer: FT**METHOD:** GC/MS VOA (EPA SW 846 Method 8260 C)

The concentration of the sample was calculated for the target analytes identified below using the following calculation:

$$\text{Concentration} = \frac{(A_x)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

 A_x = Area of the characteristic ion (EICP) for the target analyte to be measured A_{is} = Area of the characteristic ion (EICP) for the specific internal standard I_s = Amount of internal standard added in nanograms (ng)

RRF = Relative response factor of the calibration standard.

 V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. #1, K

$$\text{Conc.} = \frac{(38691)(10.0)}{(504001)(1.554357)}$$

$$= 0.4938 \text{ ug/L}$$

#	Sample ID	Compound	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Qualification
	#1	K	0.490	0.4938	-