

COMMERCIAL PROPERTY
252-258 3RD AVENUE
NEW YORK, NEW YORK 10010
NYC TAX MAP: BLOCK 876, LOTS 29, 30, 31, & 32

**PHASE II
ENVIRONMENTAL SITE ASSESSMENT
(ASTM 1903-19)**

PREPARED FOR:

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ACRONYM	DEFINITION
ASP	Analytical Services Protocol
ASTM	American Society for Testing and Materials
CFR	Code of Federal Regulations
CVOC	Chlorinated Volatile Organic Compound
DER	Department of Environmental Remediation
ELAP	Environmental Laboratory Approval Program
EM	Electromagnetic
ESA	Environmental Site Assessment
GPR	Ground Penetrating Radar
GQS	Groundwater Quality Standard
GV	Guidance Value
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyl
PFAS	Per- and Polyfluoroalkyl Substances
PID	Photo-ionization Detector
PWGC	P.W. Grosser Consulting, Inc.
QA/QC	Quality Assurance / Quality Control
REC	Recognized Environmental Condition
SCO	Soil Cleanup Objective
SVOC	Semi-volatile Organic Compound
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound



1.0 INTRODUCTION

252 Owner LLC (Client) retained P.W. Grosser Consulting, Inc. (PWGC) to prepare a Phase II Environmental Site Assessment (ESA) for the property located at 252-258 3rd Avenue, New York, New York. The purpose of the Phase II ESA was to identify and delineate the source and extent of subsurface contamination associated with the property's former dry cleaning operations as well as to assess general subsurface conditions across the site.

Work was conducted in accordance with the American Society for Testing and Materials (ASTM) Standard E 1903-19 (Standard Practices for Environmental Site Assessment: Phase II Environmental Site Assessment Process) and in substantial conformance with the New York State Department of Environmental Conservation's (NYSDEC's) Division of Environmental Remediation's (DER's) Technical Guidance for Site Investigation and Remediation, May 2010 (DER-10).



2.0 BACKGROUND

2.1 Site Description and Features

The subject property consists of four parcels located at 252-258 3rd Avenue in the Gramercy Park neighborhood of New York, New York. The subject property is located in the borough of Manhattan and New York County, which is within the City of New York. The property is identified in the New York City Tax Map as Block 876, Lots 29, 30, 31, and 32.

The subject property measures approximately 6,900 square feet and is improved with the following structures:

- 252 3rd Avenue: One 1-story commercial building (delicatessen) with a full basement (Lot 32).
- 254 3rd Avenue: One 1.75-story commercial building (dry cleaner) with a full basement (Lot 31). This is a drop-off service only, with no dry cleaning services on the premises.
- 256 3rd Avenue: One 4-story mixed-use commercial (bar) and residential building with a full basement (Lot 30).
- 258 3rd Avenue: One 2-story mixed-use commercial (nail salon) and residential building with a full basement (Lot 29).

2.2 Physical Setting

The geologic setting of New York City is well documented. Manhattan Island and the Bronx are underlain by tightly folded, metamorphic rocks. Erosion of these formations has resulted in the formation of northeast trending hills which are prominent in the northern sections of Manhattan. The bedrock beneath most of Manhattan and the Bronx is the Manhattan schist. The Inwood limestone does underlie two small areas in the northern half of the Manhattan Island and a narrow belt of limestone is also present on the southeastern portion of the island near the East River. The Fordham gneiss also outcrops in a few locations on the northern half of the island. In most areas of Manhattan and the Bronx, bedrock is overlain by thin deposits of Pleistocene age glacial outwash deposits (sand and gravel). A Geotechnical Investigation Report prepared by Pillori Associates in January of 2016 was provided by the client which details the subsurface conditions at a nearby property located at 200 East 21st Street. In the corner nearest the subject property, bedrock was encountered at approximately 30 feet bgs.

Based on surface topography, groundwater flow is estimated to be generally towards the east. During field activities performed as part of this Phase II ESA, groundwater was encountered at a depth of approximately seven feet beneath the basement level, or approximately 15 feet below the street level.

No natural surface water bodies were identified on or adjacent to the subject property. The nearest natural body of water is the East River, located approximately 3,100 feet to the east of the subject property.

2.3 Site History and Land Use

According to information included the February 2022 Subsurface Investigation Report prepared by EBI Consulting, Inc. (EBI), the four commercial and mixed use buildings appear to have been present at the property since prior to 1903 and the buildings' have been used for commercial and residential purposes since that time. The building located at 258 3rd Avenue, which is the northern most building on the property (Lot 29), was reportedly occupied by a dry cleaner from approximately 1956 to 1995 and is currently the location of a nail salon. No other historical site usages of environmental significance were identified in EBI's February 2022 Subsurface Investigation Report.

2.4 Adjacent Property Land Use

Property use adjacent to the Subject Property consists of multi-family residential buildings to the north and west and mixed-use residential and commercial properties to the south and east. The Subject Property is bound to the north by East 21st Street and to the east by 3rd Avenue.

2.5 Summary of Previous Assessments

2.5.1 February 2022 Subsurface Investigation Report by EBI Consulting, Inc.

EBI Consulting prepared a Database/Historical Review Letter in January of 2022 and identified the following Recognized Environmental Condition (REC) associated with subject property:

- *REC 1 – A dry cleaner was present at the subject property from approximately 1956 through 1995 and was listed as a RCRA Large Quantity Generator (LQG) in 1985 for spent halogenated solvent waste. The potential exists for dry cleaning solvents to have impacted subsurface conditions at the subject property.*

Based on the findings of the Database/Historical Review, EBI conducted a Subsurface Investigation in February of 2022 at the former dry cleaner at 258 3rd Avenue which included the following tasks:

- Two soil borings installed to approximately nine feet below basement grade on the southeastern portion of the building, SB-1, and the northwestern portion of the building, SB-2. Each of these boring locations included the collection and laboratory analysis of a soil sample for volatile organic compounds (VOCs) at approximately six feet below basement grade in the interval immediately above groundwater, and the collection and laboratory analyses for VOCs of a groundwater sample at approximately seven feet below basement grade, immediately below where groundwater was observed.
- Collection of two sub-slab soil vapor samples from the northeastern portion of the property, SV-1, and southwestern portion of the property, SV-2. Each soil vapor sample was analyzed for VOCs.

Soil analytical results revealed concentrations of chlorinated VOCs (CVOCs) in SB-2, namely vinyl chloride, trichloroethene (TCE), and cis-1,2-dichloroethene greater than NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (Unrestricted SCOs), and a concentration of tetrachloroethene (PCE) greater than NYSDEC Part 375 Restricted-Residential Soil Cleanup Objectives (Restricted-Residential SCOs). However, concentrations of VOCs at this location were less than NYSDEC Commercial Use Soil Cleanup Objectives (Commercial SCOs). Groundwater analytical results from this location (TWP-2) identified similar VOC compounds at concentrations significantly greater than NYSDEC Ambient Water Quality Standards (AWQS) including PCE, TCE, and cis-1,2-dichloroethene.

Soil analytical results at SB-1 did not detect concentrations of VOCs greater than NYSDEC part 375 Unrestricted Use Soil Cleanup Objectives (Unrestricted SCOs). Groundwater analytical results from this location (TWP-1) identified elevated concentrations of VOCs including PCE, however VOC concentrations at this location were significantly less than concentrations identified at TWP-2. Additionally, relatively minor concentrations of petroleum related compounds including benzene, n-propyl benzene, naphthalene, and 1,2,3,5-tetramethylbenzene were detected at TWP-1.

Soil vapor analytical results identified significant concentrations of CVOCs, namely PCE and to a lesser extent TCE, cis-1,2-dichloroethene, and vinyl chloride, at SV-2. PCE was detected at an elevated concentration at SV-1, however this concentration was much lower than the PCE detection at SV-2.



The findings of EBI's February 2022 Subsurface Investigation identified significant concentrations of chlorinated solvent VOCs in groundwater and soil vapor beneath the western portion of the former dry cleaner indicating the possibility that a release of dry cleaning fluid had occurred at the site. However, due to the less significant VOC concentrations identified in soil samples collected from this area, the source and location of the release could not be fully identified.

3.0 INVESTIGATION METHODOLOGY

To identify and delineate the source and extent of chlorinated solvent impact identified in the Subsurface Investigation and assess general quality across the subject property, the Phase II ESA included the following tasks:

- Soil quality evaluation
- Groundwater quality evaluation
- Soil vapor intrusion investigation

3.1 Soil Quality Evaluation

To identify and delineate the source and extent of chlorinated solvent impact identified in the western portion of the historical dry cleaner during the EBI's Subsurface Investigation and to assess general soil quality across the subject property, soil borings were focused in the north western portion of the property as well as across the site. A total of fourteen soil borings were installed during the Phase II ESA investigation. Soil boring locations are illustrated in **Figure 2**.

3.1.1 Soil Boring Protocol

Associated Environmental Services (Associated) of Hauppauge, New York provided environmental drilling services during the investigation. Due to limited accessibility and clearance in each of the buildings' basements, a handheld Geoprobe was utilized to install the environmental soil borings. Soils were collected continuously from ground surface to an approximate depth of seven to ten feet below surface grade, due to either refusal or the extent of the equipment's capability.

The soil cores were placed on 10-mil polyethylene sheeting in the order they came out of the ground. The acetate liners were cut open and the soil core was screened for the presence of volatile organic vapors, which are commonly associated with petroleum products and industrial solvents, utilizing a photo-ionization detector (PID). Each soil core was classified by a hydrogeologist using the Unified Soil Classification System (USCS). A soil boring log was developed for each location (**Appendix A**) and includes the characterization and screening data. Visual observations are discussed in Section 4.1.1.1

3.1.2 Soil Sample Collection Protocol

Soil samples collected for volatile organic analysis were collected directly from the acetate liners utilizing terra-core sampling devices. The remaining sample volumes were transferred to a stainless-steel bowl and

homogenized. Once homogenized, samples were transferred to laboratory supplied glassware and packed in a cooler with ice and shipped under proper chain-of-custody procedures to York Analytical Laboratories (York), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory, for analysis following NYSDEC Analytical Services Protocol (ASP)-Category B Deliverables. Sample collection rationale, field observations, and analytical results are detailed in Section 4.1.1.

3.2 Groundwater Quality Evaluation

To identify and delineate the source and extent of chlorinated solvent impact identified in the western portion of the historical dry cleaner during the Subsurface Investigation and assess general groundwater quality across the subject property, groundwater samples were focused on the northwestern portion of the property and throughout the site. A total of seven groundwater samples were collected during the investigation. Groundwater sampling locations are illustrated in **Figure 2**.

3.2.1 Groundwater Sampling Point Installation Protocol

Following the completion of the soil borings at SB001, SB002, SB008, SB009, SB010, SB011 and SB013, Associated installed a 4-foot long stainless-steel groundwater sampling screen using a handheld Geoprobe in each borehole to a depth intersecting the top of the groundwater table. Groundwater was encountered from approximately five to seven feet below surface grade. The screen was set from five to nine feet below surface grade in each borehole where groundwater sampling was performed to match the elevation of the top of the groundwater surface.

3.2.2 Groundwater Sample Collection Protocol

Once the groundwater sampling points were set at the desired depth, disposable high-density polyethylene tubing was inserted into the water bearing zone of the sampling device. The end of the tubing was connected to a peristaltic pump with dedicated silicone tubing.

Groundwater samples were collected in laboratory supplied glassware and packed in a cooler with ice and shipped under proper chain-of-custody procedures to York, a NYSDOH ELAP certified laboratory, for analysis following NYSDEC ASP-Category B Deliverables. Sample collection rationale, field observations, and analytical results are detailed in Section 4.1.2.

3.3 Soil Vapor Intrusion Investigation

To evaluate potential vapor intrusion at the subject property, a soil vapor intrusion investigation was performed. The investigation consisted of the collection of six sub-slab soil vapor and four indoor air samples. Sampling was conducted in accordance with the NYSDOH “Guidance for Evaluating Soil Vapor Intrusion in New York State,” (NYSDOH Guidance) October 2006 and subsequent addenda.

3.3.1 *Indoor Air Quality Questionnaire and Building Inventory*

Prior to sample collection, an inspection was performed to identify and minimize conditions that may interfere with the proposed testing. The inspection evaluated the type of structure, floor layout, air flows and physical conditions of the building being studied. This information, along with information on sources of potential indoor air contamination, is included on a building inventory form, which is included as **Appendix B**. Inventory findings are detailed in Section 4.1.3.1.

3.3.2 *Soil Vapor and Air Sampling Point Installation Protocol*

Sub-slab soil vapor and indoor air sampling was performed in accordance with the NYSDOH “Guidance for Evaluating Soil Vapor Intrusion in New York State,” (NYSDOH Guidance) October 2006 and subsequent addenda.

3.3.2.1 Sub-Slab Soil Vapor Sampling

Sub-slab soil vapor sampling points were installed to approximately two inches beneath the floor slab in accordance with procedures specified in the NYSDOH Guidance. Sampling points were constructed of dedicated polyethylene tubing backfilled with #2 morie sand and sealed at the surface with hydrated bentonite.

3.3.2.2 Indoor Air Sampling

Indoor air samples were collected concurrently with sub-slab soil vapor samples. Indoor air samples were co-located with sub-slab soil vapor samples in Lots 30, 31, and 32 and located at a central point between 3 sub-slab soil vapor samples in Lot 29 (nail salon and former dry cleaner).

Indoor air samples were collected from a height representing the breathing zone (between 3 and 5 feet above the floor).

3.3.2.3 Tracer Gas Testing

Prior to sampling, the integrity of sub-slab soil vapor sampling point seals was tested using tracer gas analysis. The environment surrounding the seal was enriched with the tracer gas (helium) as readings were collected through the sampling probe with a portable helium detector. Seals were adjusted as needed until acceptable tracer gas readings were collected from each soil vapor probe indicating the seals were intact and the sampling probes were acceptable for sample collection. The tracer gas tests performed at each of the sub-slab soil vapor sample locations were found to be acceptable.

After the initial tracer gas test was performed, one to three volumes of the sample tubing was purged prior to collecting samples. Flow rates for both purging and collecting did not exceed 0.2 liters per minute to minimize potential indoor air infiltration during sampling.

3.3.3 Soil Vapor and Air Sample Collection Protocol

Sub-slab soil vapor and indoor air samples were collected into 6-liter Summa® vacuum canisters fitted with 2-hour flow controllers. Canisters and flow controllers were batch certified clean by the laboratory. Proper quality assurance/quality control (QA/QC) protocol was followed during the collection of soil gas samples to ensure that cross-contamination in the field did not occur. Canister sampling data sheets are included as **Appendix C**. Sample collection rationale and analytical results are detailed in Section 4.1.3.

4.0 INVESTIGATION FINDINGS

4.1 Scope of Assessment

The REC identified in EBI's Database/Historical Review Letter, which was summarized in EBI's February 2022 Subsurface Investigation Report was as follows:

- *REC 1 – A dry cleaner was present at the subject property from approximately 1956 through 1995 and was listed as a RCRA Large Quantity Generator (LQG) in 1985 for spent halogenated solvent waste. The potential exists for dry cleaning solvents to have impacted subsurface conditions at the subject property.*

This REC was partially investigated during EBI's February 2022 Subsurface Investigation as discussed in section 2.5.1 of this report.

To identify and delineate the source and extent of chlorinated solvent impact identified at the subject property and to assess general soil quality across the subject property, PWGC performed the following scope of work:

- Installation of 14 soil borings (SB001 through SB014). Two soil samples were collected from each of borings SB001 through SB008, which were focused on the northern portion of the property where the former dry cleaner was located, to determine the vertical and horizontal extents of impact from the potential source area. One soil sample was collected from each of borings SB009 through SB014 to continue horizontal delineation of impact from the potential source area and to document general soil quality across the subject property.
- Installation of seven temporary groundwater sampling points (GW001 through GW007) and collection of one groundwater sample from each location.
- Installation of six sub-slab soil vapor sampling points (SS001 through SS006) and four indoor air samples (IA001 through IA004) from each of the four buildings' basements.

4.1.1 Soil Quality Evaluation

To investigate for the presence of chlorinated solvent impact source material and to attempt to define the vertical and horizontal extent of chlorinated solvent impact, multiple soil borings were focused on the northwestern portion of the site. To assess general soil quality at the subject property, soil borings were installed beneath each of the buildings on site. The table below describes the rationale for each soil sample's location:

Sample ID	Sample Depth	Sample Location	Reason for Sample
SB001	1'-3'	Western half of Lot 29 (former dry cleaner)	Vertical delineation of chlorinated solvent impact
	10'		
SB002	5'-7'	Eastern half of Lot 29 (former dry cleaner)	Horizontal/vertical delineation of chlorinated solvent impact, general site assessment
	10'		
SB003	3'-5'	Eastern half of Lot 29 (former dry cleaner)	Horizontal/vertical delineation of chlorinated solvent impact, general site assessment
	10'		
SB004	5'-7'	Eastern half of Lot 29 (former dry cleaner)	Horizontal/vertical delineation of chlorinated solvent impact, general site assessment
	10'		
SB005	4'-6'	Western half of Lot 29 (former dry cleaner)	Vertical delineation of chlorinated solvent impact
	8'		
SB006	3'-5'	Western half of Lot 29 (former dry cleaner)	Vertical delineation of chlorinated solvent impact
	9'		
SB007	1'-3'	Western half of Lot 29 (former dry cleaner)	Vertical delineation of chlorinated solvent impact
	9'		
SB008	5'-7'	Western half of Lot 29 (former dry cleaner)	Vertical delineation of chlorinated solvent impact
	9'		
SB009	0'-2'	West end of Lot 30 (bar)	Horizontal delineation of chlorinated solvent impact, general site assessment
SB010	8'-10'	East end of Lot 30 (bar)	General site assessment
SB011	0'-2'	East end of Lot 32 (deli)	General site assessment
SB012	5'-7'	West end of Lot 32 (deli)	General site assessment
SB013	0'-2'	West end of Lot 31 (cleaners)	General site assessment
SB014	0'-2'	East end of Lot 31 (cleaners)	General site assessment

Soil boring locations are illustrated in **Figure 2**.

4.1.1.1 Soil Boring Protocol

Soil borings were installed as detailed in Section 3.1. Soils were collected continuously from ground surface to an approximate depth of seven to ten feet below surface grade, due to either refusal or the extent of the equipment's capability. Soils in these areas generally consisted of historic fill beneath the concrete slab to a depth of up to six feet bgs, followed by inorganic clay of medium to high plasticity to a depth of ten feet bgs. Borings located farther south contained a layer of silty sand beneath the clay, ranging from four to seven feet bgs, with the boring ending at seven feet due to refusal. In the Geotechnical Investigation Report, this depth approximately coincides with a

layer of stream deposit, which may have been a contributing factor to the refusals encountered here. Soil boring logs are included in **Appendix A**.

4.1.1.2 Soil Sample Collection Protocol

Two soil samples were collected from each of the eight soil borings in Lot 29. One sample was collected above the water table in the two-foot interval where the highest PID readings were observed, and one sample was collected below the water table where the highest PID readings were observed. For soil borings SB001, SB005, SB006, and SB007, all of which were located in the western half of Lot 29, PID readings exceeded the instrument's limit of 5,000 ppm. In Lots 30, 31, and 32, only one soil sample was collected from each boring, in the two-foot interval with the highest PID reading. If no visual or olfactory contamination was observed, samples were collected from the top two feet of the subsurface to capture potential impact from historical site use. Soil samples were collected as detailed in Section 3.1, and were analyzed for the following:

- Total Compound List (TCL) VOCs by USEPA Method 8260
- TCL Semivolatile Organic Compounds (SVOCs) by USEPA Method 8270
- Target Analyte List (TAL) Metals by USEPA Methods 6010/7471

The deeper soil samples from Lot 29 were analyzed for VOCs only.

4.1.1.3 Soil Analytical Results

Soil analytical results were compared to Unrestricted Use SCOs and Restricted-Residential SCOs specified in NYSDEC's Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375, Environmental Remediation Programs and Final Commissioner Policy CP-51, Soil Cleanup Guidance.

PCE was detected at concentrations greater than their respective Restricted-Residential SCOs in soil samples collected above the water table and below the water table at soil borings SB001, SB005, SB006, and SB007 which were each located on the western portion of the former dry cleaner. PCE concentrations were higher at samples collected above the water table at these locations compared to samples from below the water table including the highest concentration of PCE at 16,000 mg/kg from the 1 to 3 foot interval at SB001, located at the southwest corner of the former dry cleaner/current nail salon. The presence of significant concentrations of PCE in the shallow soil beneath the basement of the former dry cleaner indicates that the source of the chlorinated solvent

impact is emanating from this location. Elevated concentrations of TCE greater than Restricted-Residential SCOs and cis-1,2-dichlorethene greater than Unrestricted Use SCOs at these locations were also identified including at the terminal depths of soil borings performed on the northwestern portion of the site, however VOC concentrations at the deeper intervals were considerably less than the corresponding higher intervals. TCE and cis-1,2-dichlorethene are both known to be PCE breakdown (or daughter) compounds and are commonly detected in conjunction with releases of PCE to the subsurface. PCE and TCE exceedances along with soil boring locations are illustrated on **Figure 3**.

Compounds commonly associated with petroleum impact (1,2,4-Trimethylbenzene, 2-Butanone, p/m-Xylene) were also detected at concentrations slightly exceeding Unrestricted Use SCOs in SB003 and SB004. SB003 is located in the center of the Lot 29 basement, and SB004 is located at the eastern end of Lot 29. Concentrations of these petroleum compounds were less than their respective Restricted-Residential SCOs. A source of petroleum impact was not identified during this investigation, and it is likely that the presence of minor concentrations of petroleum VOCs is associated with historical urban fill present in the subsurface rather than an on-site source of impact.

Concentrations of SVOCs were either not detected or detected at concentrations less than Unrestricted Use SCOs at each sampling location. SVOCs related to petroleum impact were detected above AWQS in groundwater sample GW002 (discussed in Section 4.1.2.3) however, given the lack of exceedances in soil samples, the source of impact in groundwater is likely originating from an offsite source.

Concentrations of metals were less than Unrestricted Use SCOs at each sampling location with the exception copper, lead, zinc, and mercury of SB004 (5-7') located on the northeast corner of the property and chromium at SB014 (0-2') which is located on the eastern portion of Lot 31. Each of these concentrations of metals was below its respective Restricted-Residential SCO with the exception of mercury at SB004 (5-7'), likely attributable to historical urban fill present.

Analytical results are detailed in **Tables 1 through 3**, exceedances above Unrestricted Use SCOs with soil sampling locations are illustrated on **Figure 3**, and the complete laboratory analytical report is included in **Appendix D**.

4.1.2 Groundwater Quality Evaluation

To identify and delineate the source and extent of chlorinated solvent impact and assess general groundwater quality, groundwater samples were collected from each of the four lots at the subject property. A total of seven groundwater samples, GW001 through GW007, were collected during the investigation. The table below details the rationale for each groundwater sample location:

Sample ID	Soil Boring Co-location	Sample Location	Reason for Sample
GW001	SB001	Western half of Lot 29 (former dry cleaner)	Horizontal delineation of chlorinated solvent impact, general site assessment
GW002	SB002	Eastern half of Lot 29 (former dry cleaner)	Horizontal delineation of chlorinated solvent impact, general site assessment
GW003	SB009	West end of Lot 30 (bar)	Horizontal delineation of chlorinated solvent impact, general site assessment
GW004	SB010	East end of Lot 30 (bar)	General site assessment, evaluate potential petroleum impact
GW005	SB008	Western half of Lot 29 (former dry cleaner)	Horizontal delineation of chlorinated solvent impact, general site assessment
GW006	SB011	East end of Lot 32 (deli)	General site assessment
GW007	SB013	West end of Lot 31 (cleaners)	General site assessment

Three groundwater samples were located in Lot 29 throughout the western portion of the building where the chlorinated solvent impact was identified. One groundwater sample was collected in Lots 30, 31, and 32, co-located with the soil boring with the highest PID reading or highest degree of visual contamination. If no visual or olfactory contamination was observed in either boring, the groundwater samples were spaced out to maximize the area covered. In Lot 30, a groundwater sample was collected from each of the soil borings; one from the western portion of the basement due to its proximity to the hotspot in Lot 29, and one from the eastern portion due to elevated PID readings with the soil boring within the water table. Groundwater sampling locations are illustrated in **Figure 2**.

4.1.2.1 Groundwater Sample Collection Protocol

Following the completion of the soil borings at SB001, SB002, SB008, SB009, SB010, SB011, and SB013, temporary groundwater sampling points were installed as detailed in Section 3.2. The screen was set from five to nine feet below surface grade in each borehole to match the elevation of the top of the groundwater surface.

4.1.2.2 Groundwater Sample Collection Protocol

Groundwater samples were collected as detailed in Section 3.2, and were analyzed for the following:

- TCL VOCs by USEPA Method 8260
- TCL SVOCs by USEPA Method 8270
- RCRA Metals by USEPA Methods 6010/7471 (Total and Dissolved)

Dissolved metals were analyzed to more accurately reflect metal concentrations that are dissolved and potentially mobile in groundwater. Given that total metals have an affinity to adhere to soil and colloidal particles, elevated metals can be seen in turbid groundwater samples typically obtained during the sampling process. The comparison of total to dissolved analysis demonstrates which metals truly exist dissolved into the groundwater rather than what has adhered to the soils.

Poor groundwater recovery prevented a full sample volume from being collected for GW003 and GW005. These samples were analyzed for VOCs only as VOCs have been identified to be the primary contaminate of concern at the subject property.

4.1.2.3 Groundwater Analytical Results

Groundwater analytical results were compared to NYSDEC AWQS.

PCE was detected at concentrations greater than its respective AWQS in each of the seven groundwater samples, with the highest PCE reading located in GW001 at a concentration of 103,000 µg/L and greater than the AWQS of 5 µg/L. GW001 was co-located with SB001, located at the western end of Lot 29, which also exhibited the highest overall PCE concentration. The daughter compounds of PCE, TCE and cis-1,2-dichloroethene, similarly mirror the PCE exceedances across the subject property, with their highest concentrations also located in GW001 (15,400 µg/L and 3,110 µg/L, respectively). PCE and TCE exceedances are illustrated in **Figure 4**. Other daughter



compounds of PCE, including 1,1-Dichloroethylene, trans-1,2-Dichloroethylene, and vinyl chloride were detected exceeding AWQS in GW001.

Petroleum based BTEX compounds (benzene, toluene, ethylbenzene, and xylenes) and naphthalene were detected above their respective AWQS in GW001, GW002, GW003, GW005, and GW006. GW005 is located centrally in Lot 29, GW002 is located at the east end of Lot 29, GW003 is located at the west end of Lot 30 (bar), and GW006 is located centrally in Lot 32 (deli). However, there appears to be no pattern in the concentrations and locations of these compounds that would be indicative of a centralized petroleum impacted area. These exceedances are likely attributable to regional conditions.

SVOCs including Benzo(a)anthracene, Chrysene, and Phenanthrene were detected above their respective AWQS in GW002. As these compounds were not detected exceeding standards in soil, the impact is likely from an offsite source. Concentrations of other SVOCs were either not detected or detected at concentrations less than AWQS at each of the other six sampling locations.

Total metals were detected above AWQS in at each of the five sampling location where metals were analyzed including arsenic, barium, cadmium, chromium, lead and mercury. However, analytical results for dissolved metals yielded concentrations of metals less than AWQS with the exception of GW001 with detected a concentration of dissolved mercury of 0.8 ug/L, slightly exceeding its respective AWQS of 0.7 ug/L.

Analytical results are detailed in **Tables 4 through 6**, exceedances above AWQS along with groundwater sampling locations are illustrated on **Figure 4**, and the complete laboratory analytical report is included in **Appendix D**.

4.1.3 Soil Vapor Intrusion Investigation

To further evaluate soil vapor quality at the subject property, a soil vapor intrusion investigation was performed. Soil vapor and air samples were collected as described in Section 3.3. The table below details the rationale for each sample's location:

Sub-Slab Soil Vapor Sample ID	Indoor Air Sample ID	Sample Location	Reason for Sample
SS001	IA001	Center of Lot 29 (former dry cleaner)	Horizontal delineation of chlorinated solvent impact, general site assessment
SS002		Western end of Lot 29 (former dry cleaner)	Horizontal delineation of chlorinated solvent impact, general site assessment
SS003		Eastern end of Lot 29 (former dry cleaner)	Horizontal delineation of chlorinated solvent impact, general site assessment
SS004	IA002	Center of Lot 31 (cleaners)	Horizontal delineation of chlorinated solvent impact, general site assessment
SS005	IA003	Center of Lot 32 (deli)	Horizontal delineation of chlorinated solvent impact, general site assessment
SS006	IA004	Center of Lot 30 (bar)	Horizontal delineation of chlorinated solvent impact, general site assessment

4.1.3.1 Indoor Air Quality Questionnaire and Building Inventory Results

An inspection was performed to identify and minimize conditions that may interfere with air and vapor testing as described in Section 3.3.1. Findings of the inspection include the following:

- Several minor cracks in the concrete floor were observed in each of the buildings' concrete slabs.
- A ~5'x5' pit was observed in Lot 29, and a sump was observed in Lot 31.
- Cosmetic chemicals were stored in Lot 29, and various cleaning chemicals were observed in multiple areas across each building; however, PID readings around the chemical storage areas did not indicate they were affecting indoor air quality.

4.1.3.2 Soil Vapor and Air Analytical Results

The primary method for the evaluation of sub-slab vapor and indoor air data is the use of Soil Vapor / Indoor Air Matrices provided in the NYSDOH Guidance document. The matrices incorporate both sub-slab vapor concentrations and their corresponding indoor air concentrations in a table to formulate an appropriate action for a sampling site. Matrices have been developed for seven chlorinated solvent compounds: 1,1-dichloroethene, vinyl chloride, 1,1,1-trichloroethane, carbon tetrachloride, cis-1,2-dichloroethene, PCE, and TCE. The latter three compounds are known contaminants of concern at the subject property. Although matrices have not yet been developed for other compounds, consideration is given to the comparisons between the sub-slab vapor and



indoor air concentrations to determine if vapor intrusion is occurring. Additionally, indoor air results were compared to the NYSDOH Air Guideline Values (AGV)

PCE, as well as multiple PCE daughter compounds, were detected in each of the sub-slab soil vapor samples, with the highest PCE concentration in SS002 at a concentration of 1,010,000 $\mu\text{g}/\text{m}^3$, located in the western portion of Lot 29. When coupled with their corresponding indoor air samples and evaluated using the NYSDOH matrices, three locations were identified as warranting mitigation, SS001, SS002, and SS003, all of which are located at the former dry cleaner where chlorinated solvent impact was identified in soil and groundwater. SS001 recommends mitigation due to elevated soil vapor concentrations of PCE, TCE, and cis-1,2-dichloroethylene, SS002 recommends mitigation due to PCE, TCE, cis-1,2-Dichloroethylene, 1,1-Dichloroethylene, and vinyl chloride, and SS003 recommends mitigation due to PCE. The indoor air sample for Lot 29, IA001, also exceeded the AGV for PCE of 30 $\mu\text{g}/\text{m}^3$ at a concentration of 104 $\mu\text{g}/\text{m}^3$. For the current dry-cleaner drop-off site, PCE was detected at a concentration of 19.1 $\mu\text{g}/\text{m}^3$ in the indoor air sample, IA002, with its corresponding soil vapor pair, SS004, having a PCE concentration of 70 $\mu\text{g}/\text{m}^3$, warranting mitigation based on its NYSDOH matrix. The matrices for Lots 30 and 32 all recommend no further action.

Analytical results are detailed in **Table 7** and soil vapor and indoor air sampling locations with detected CVOCs are illustrated on **Figure 5**. The complete laboratory analytical report is included in **Appendix D** and copies of Soil Vapor / Indoor Air Matrices are included in **Appendix E**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

PWGC has performed a Phase II ESA at the subject property in conformance with the scope and limitations of ASTM Practice E1903-19. The following samples were collected to evaluate the extent of PCE impact identified in the Subsurface Investigation and to assess general site conditions:

- Installation of 14 soil borings (SB001 through SB014), and collection of two soil samples from borings SB001 through SB008 and one soil sample from borings SB009 through SB014.
- Installation of seven temporary groundwater sampling points (GW001 through GW007) and collection of one groundwater sample from each.
- Installation of six sub-slab soil vapor sampling points (SS001 through SS006), location of one indoor air sample (IA001) with SS001 through SS003, and co-location of three indoor air samples (IA002 through IA004) with SS004, SS005, and SS006.

5.1 Conclusions

Based on the results of the Phase II ESA, PWGC offers the following conclusions:

- The soil, groundwater, and soil vapor/indoor air sampling revealed that the highest degree of chlorinated solvent contamination is located in the western portion of Lot 29, which is the location of the former dry cleaning operation. The vertical extent of PCE impact could not be defined as multiple samples collected from the terminal depths of the borings performed on the northwestern portion of the site contained PCE exceeding Restricted Residential SCOs. However, the horizontal extent of the PCE impact in soil onsite appears to be defined to the north western portion of the property, although offsite migration of chlorinated solvents in groundwater and soil vapor cannot be ruled out. Additionally, the soil samples collected below the water table in Lot 29 were generally lower than their respective shallower samples, suggesting a sinking product release is not occurring and DNAPL is not present.
- With one exception (mercury in SB004), soil quality outside the chlorinated solvent impacted area generally met Restricted Residential Use SCOs.
- Outside the western portion of Lot 29, chlorinated solvents in groundwater are primarily detected exceeding AWQS.
- Minor petroleum impact identified in soil and groundwater samples are likely attributed to non-point source or regional conditions, as no source was found at the subject property.

- Total metals were detected above AWQS throughout each of the four lots. However, only one dissolved metal (mercury in SB004, Lot 29) was detected slightly above AWQS.
- NYSDOH Soil Vapor / Indoor Air Matrices recommends mitigation in Lots 29 and 31.

5.2 Recommendations

Based on the conclusions detailed above, PWGC offers the following recommendations for the subject property:

- The source area for PCE impact on the western portion of the former dry cleaner should be vertically delineated. Once vertical delineation is accomplished, the impacted material should be remediated using available technologies.
- Chlorinated solvent impact in groundwater should be remediated using available technologies.
- Soil vapor mitigation measures should be considered for the subject property. Additionally, off site adjacent properties should be assessed to determine if soil vapor impacts stemming from onsite source material is affecting neighboring buildings.



6.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312. I have the specific qualifications based on education, training and experience to assess a property of the nature, history and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312.

Michael Pecoraro
Senior Hydrogeologist

Derek Ersbak, PG
Vice President

Report Completion Date: April 2022



7.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-1 to 375-4 and 375-6.

6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations.

Commissioners Policy CP-51, Soil Cleanup Guidance, NYSDEC, October 21, 2010.

Sampling, Analysis, and Assessment of Per-and Polyfluoroalkyl Substances (PFAS), Under NYSDEC's Part 375 Remedial Programs, NYSDEC, January 2021.

Standard Operating Procedure for the Administration of Article 12 of the Suffolk County Sanitary Code, SOP 9-95, Pumpout and Soil Cleanup Criteria, SCDHS, August 2010.

Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process, ASTM Standard E 1903-19.

Technical Guidance for Site Investigation and Remediation (DER-10), NYSDEC, May 3, 2010.

EBI Consulting, Subsurface Investigation. February 23, 2022

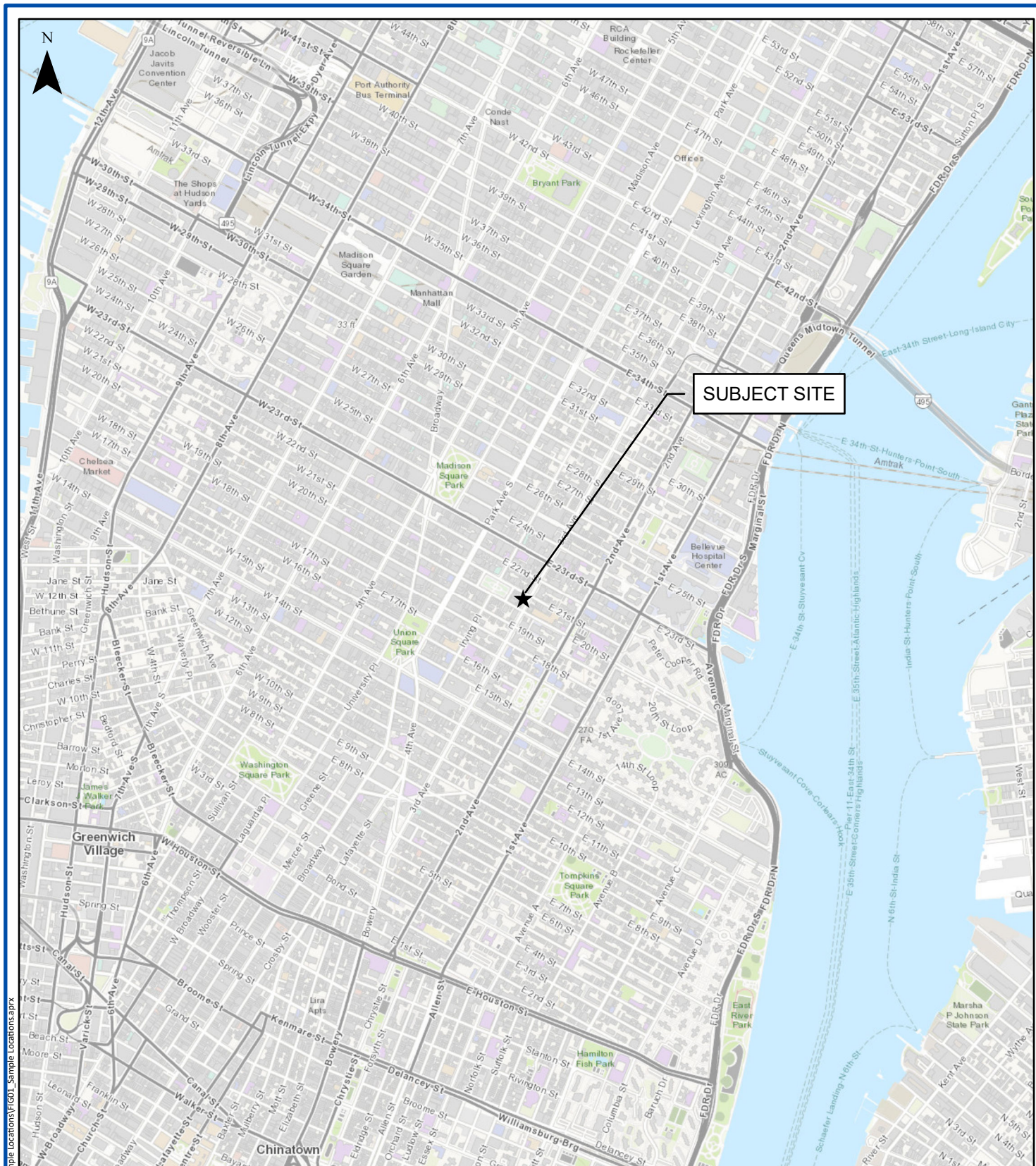
8.0 LIMITATIONS

The conclusions presented in this report are professional opinions based on the data described in this report. These opinions have been arrived at in accordance with currently accepted engineering and hydrogeologic standards and practices applicable to this location, and are subject to the following inherent limitations:

1. The data presented in this report are from visual inspections and examination of records prepared by others. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration of the site, analysis of data, and re-evaluation of the findings, observations, and conclusions presented in this report.
2. The data reported and the findings, observations, and conclusions expressed are limited by the scope of work. The scope of work was defined by the request of the client.
3. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported, findings, observations, or conclusions. These are based solely upon site conditions in existence at the time of the investigation, and other information obtained and reviewed by PWGC.
4. The conclusions presented in this report are professional opinions based on data described in this report. They are intended only for the purpose, site location, and project indicated. This report is not a definitive study of contamination at the site and should not be interpreted as such.
5. This report is based, in part, on information supplied to PWGC by third-party sources. While efforts have been made to substantiate this third-party information, PWGC cannot attest to the completeness or accuracy of information provided by others.

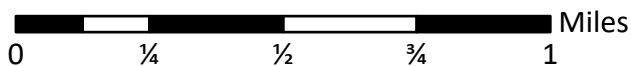


FIGURES



SITE LOCATION

252 3rd Avenue,
New York, New York



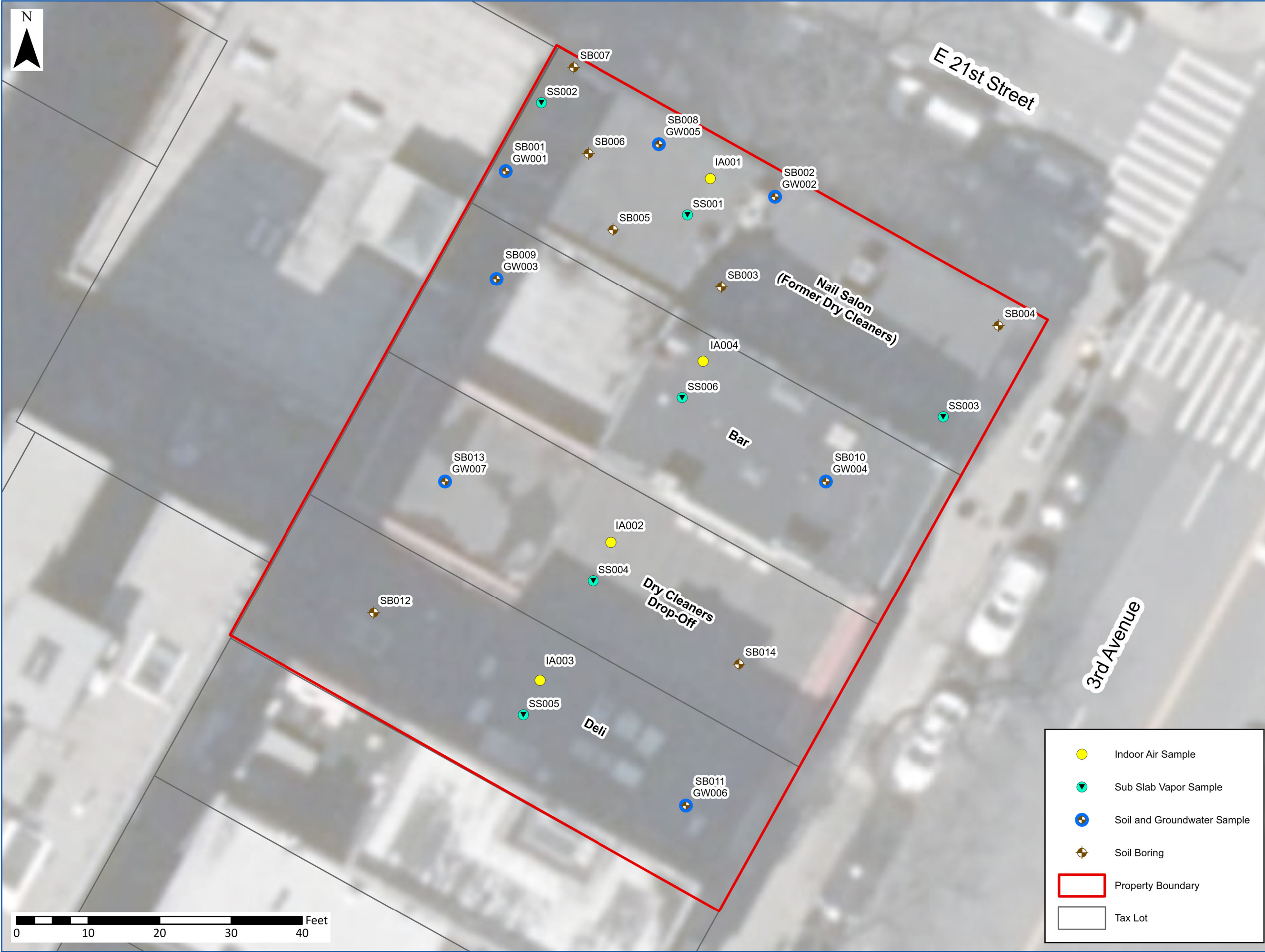
Project:	LIG2201
Date:	4/11/2022
Designed by:	MP
Drawn by:	AM
Approved by:	MP
Figure No:	1



PWGC
CLIENT DRIVEN SOLUTIONS

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Date:	4/15/2022	Drawn by:	AM
Scale:	AS SHOWN	Approved by:	MP

SITE PLAN

252 3rd Avenue
New York, New York

FIGURE NO:



Client Sample ID:	SB001	SB001
Sampling Depth:	1-3'	10'
Sampling Date:	3/21/2022	3/21/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)		
cis-1,2-Dichloroethene	2.0 JD	1.0 D
Tetrachloroethene	16,000 DE	2,700 DE
Trichloroethene	16 D	160 D

Client Sample ID:	SB005	SB005
Sampling Depth:	4-6'	8'
Sampling Date:	3/22/2022	3/22/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)		
cis-1,2-Dichloroethene	81 D	24 D
Tetrachloroethene	1,500 D	510 D
trans-1,2-Dichloroethene	0.36 JD	0.21 U
Trichloroethene	76 D	34 D

Client Sample ID:	SB003	SB003
Sampling Depth:	3-5'	10'
Sampling Date:	3/21/2022	3/21/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)		
2-Butanone	0.27 JD	0.26 JD
Tetrachloroethene	2.4 D	0.50 D

	Soil & Groundwater Sample (PWGC)
	Soil Boring (EBI)
	Soil Boring (PWGC)
	Property Boundary
	Tax Lot

Client Sample ID:	SB007	SB007
Sampling Depth:	1-3'	9'
Sampling Date:	3/22/2022	3/22/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)		
cis-1,2-Dichloroethene	0.46 JD	20 D
Tetrachloroethene	1,900 D	250 D
Trichloroethene	0.47 JD	24 D

Client Sample ID:	EBI-SB-2
Sampling Depth:	5.5-6'
Sampling Date:	2/10/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)	
Tetrachloroethene	37
Vinyl Chloride	0.26
Trichloroethene	14
cis-1,2-Dichloroethene	44

Client Sample ID:	SB002	SB002
Sampling Depth:	5-7'	10'
Sampling Date:	3/21/2022	3/21/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)		
p/m-Xylene	0.74 JD	1 U

Client Sample ID:	SB004	SB004
Sampling Depth:	5-7'	10'
Sampling Date:	3/21/2022	3/21/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)		
1,2,4-Trimethylbenzene	3.6 D	6.0 D
2-Butanone	0.24 JD	0.26 U
p/m-Xylene	0.4 U	0.67 JD
Method: 6010C - Metals (ICP) - (mg/kg)		
Copper, Total	73.9	-
Lead, Total	107	-
Zinc, Total	146	-
Method: 7471B - Mercury (CVAA) - (mg/kg)		
Mercury, Total	1.55	-

Client Sample ID:	SB006	SB006
Sampling Depth:	3-5'	9'
Sampling Date:	3/22/2022	3/22/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)		
cis-1,2-Dichloroethene	1.3 D	5.2 D
Tetrachloroethene	380 D	11 D
Trichloroethene	1.9 D	7.4 D

Client Sample ID:	SB014
Sampling Depth:	0-2'
Sampling Date:	3/24/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)	
Chromium, Total	31.3 U

Client Sample ID:	SB011
Sampling Depth:	0-2'
Sampling Date:	3/23/2022
Method: 8260 C - Volatile Organic Compounds - (mg/kg)	
Acetone	0.100

Notes:

D - Result from analysis required dilution.

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Indicates the analyte was analyzed for but not detected.

Highlighted text denotes concentrations exceeding the NYSDEC Unrestricted Use SCO.

Highlighted text denotes concentrations exceeding the NYSDEC Restricted Residential Use SCO.



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Date:	4/15/2022	Drawn by:	AM
Scale:	AS SHOWN	Approved by:	RM

Sample Locations with Soil Exceedances

252 3rd Avenue
New York, New York

FIGURE NO:

3



Client Sample ID:	GW001
Sampling Date:	3/23/2022
Method: 8260 C - VOCs - (µg/L)	
1,1,2-Trichloroethane	6.4 D
1,1-Dichloroethene	21.6 D
1,2,4-Trimethylbenzene	40.8 D
1,3,5-Trimethylbenzene	13 D
2-Butanone	568 D
Acetone	79.1 D
cis-1,2-Dichloroethylene	3,110 D
Ethyl Benzene	16.4 D
Naphthalene	67.1 D
N-Propylbenzene	6.5 D
o-Xylene	8.4 D
p- & m- Xylenes	31.7 D
Tetrachloroethene	103,000 D
Toluene	8.2 D
trans-1,2-Dichloroethylene	72.4 D
Trichloroethene	15,400 D
Vinyl Chloride	161 D
Xylenes, Total	40.1 D
Method: 8270 SIM - SVOCs - (µg/L)	
Naphthalene	68 BD
Method: 7473 - Mercury - (µg/L)	
Mercury, Dissolved	0.8

Client Sample ID:	GW003
Sampling Date:	3/21/2022
Method: 8260 C - VOCs - (µg/L)	
cis-1,2-Dichloroethylene	56.5
Naphthalene	50.4
Tetrachloroethene	5,860 D
Trichloroethene	654 D

Client Sample ID:	EBI-TWP-2
Sampling Date:	2/10/2022
Method: 8260 C - VOCs - (µg/L)	
Tetrachloroethene	31,000
Trichloroethene	2,200
cis-1,2-Dichloroethene	48,000
Napthalene	580 J

Client Sample ID:	GW005
Sampling Date:	3/23/2022
Method: 8260 C - VOCs - (µg/L)	
1,2,4-Trimethylbenzene	39.2 D
1,3,5-Trimethylbenzene	19.2 D
cis-1,2-Dichloroethylene	23.2 D
Naphthalene	80.6 D
n-Butylbenzene	5.4 JD
Tetrachloroethene	6,180 D
Trichloroethene	301 D

Client Sample ID:	GW002
Sampling Date:	3/21/2022
Method: 8260 C - VOCs - (µg/L)	
1,1,2-Trichloroethane	5.9 D
1,2,4-Trimethylbenzene	22.6 D
1,2-Dibromo-3-chloropropane	8.25 D
1,3,5-Trimethylbenzene	10.4 D
Benzene	3.25 D
cis-1,2-Dichloroethylene	63.8 D
Ethyl Benzene	9.9 D
Isopropylbenzene	17.6 D
Naphthalene	423.0 D
n-Butylbenzene	14.8 D
N-Propylbenzene	25.8 D
p- & m- Xylenes	8.70 D
sec-Butylbenzene	15.2 D
Tetrachloroethene	1,020 D
Trichloroethene	232 D
Xylenes, Total	8.7 D

Method: 8270 SIM - SVOCs - (µg/L)	
Benzo(a)anthracene	0.727
Benzo(a)pyrene	8.55
Chrysene	2.0
Naphthalene	1670 BD
Phenanthrene	1140 D

Client Sample ID:	GW006
Sampling Date:	3/23/2022
Method: 8260 C - VOCs - (µg/L)	
1,1,2-Trichloroethane	9.7 D
1,2,3-Trichloropropane	4.2 JD
1,2,4-Trimethylbenzene	114 D
1,3,5-Trimethylbenzene	53.3 D
cis-1,2-Dichloroethylene	28.4 D
Isopropylbenzene	7.5 D
Naphthalene	165 D
n-Butylbenzene	19.9 D
N-Propylbenzene	6.7 D
o-Xylene	7.3 D
p- & m- Xylenes	37 D
p-Isopropyltoluene	10.2 D
sec-Butylbenzene	12.9 D
Tetrachloroethene	1,550 D
Trichloroethene	343 D
Xylenes, Total	44.6 D
Method: 8270 SIM - SVOCs - (µg/L)	
Naphthalene	14.5 D

Client Sample ID:	EBI-TWP-1
Sampling Date:	2/10/2022
Method: 8260 C - VOCs - (µg/L)	
Tetrachloroethene	77
Benzene	3.2
Napthalene	72
n-Propylbenzene	6
p-Diethylbenzene	86

Client Sample ID:	GW007
Sampling Date:	3/24/2022
Method: 8260 C - VOCs - (µg/L)	
Tetrachloroethene	179 D
Trichloroethene	18.1

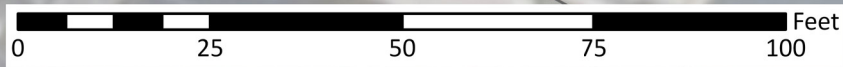
Client Sample ID:	GW004
Sampling Date:	3/21/2022
Method: 8260 C - VOCs - (µg/L)	
cis-1,2-Dichloroethylene	16.8 D
Tetrachloroethene	594 D
Trichloroethene	187 D

Soil & Groundwater Sample (PWGC)

Soil Boring (EBI)

Property Boundary

Tax Lot



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Sample Locations with Groundwater Exceedances

252 3rd Avenue
New York, New York

FIGURE NO:

Notes:

D - Result from analysis required dilution.

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Indicates the analyte was analyzed for but not detected.

Highlighted text denotes concentrations exceeding NYSDEC AWQS or GV for GA Water Class, Type H(W)



Client Sample ID:	EBI-SV-2		
Sampling Date:	2/10/2022		
Laboratory ID:	L2207204-02		
Volatile Organic Compound - (µg/m3)			
TCE	290,000		
cis-1,2-DCE	492,000		
PCE	16,200,000		
Vinyl Chloride	49,600		

Sample ID	SS002		
Sampling Date	3/24/2022		
Laboratory ID	22C1405-02		
Volatile Organic Compound - (µg/m³)			
TCE	8740	D	
cis-1,2-DCE	45300	D	
1,1-DCE	81.9	D	
PCE	1,010,000	D	
1,1,1-TCA	179	D	
Vinyl chloride	990	D	
Carbon tetrachloride	2.88	U	

Sample ID	IA001	
Sampling Date	3/24/2022	
Laboratory ID	22C1405-06	
Volatile Organic Compound - (µg/m³)		
TCE	0.676	D
cis-1,2-DCE	0.926	D
1,1-DCE	0.178	U
PCE	104	D
1,1,1-TCA	0.49	U
Vinyl chloride	0.115	U
Carbon tetrachloride	0.395	D

Client Sample ID:	SS001		
Sampling Date:	3/24/2022		
Laboratory ID:	22C1405-01		
Volatile Organic Compound - (µg/m3)			
TCE	1,570	D	
cis-1,2-DCE	1,180	D	
1,1-DCE	3.63	U	
PCE	39,000	D	
1,1,1-TCA	10	U	
Vinyl Chloride	2.81	D	
Carbon Tetrachloride	2.88	U	

Sample ID	IA002		
Sampling Date	3/24/2022		
Laboratory ID	22C1405-07		
Volatile Organic Compound - (µg/m³)			
TCE	0.527	D	
cis-1,2-DCE	0.162	U	
1,1-DCE	0.162	U	
PCE	19.1	D	
1,1,1-TCA	0.446	U	
Vinyl chloride	0.104	U	
Carbon tetrachloride	0.36	D	

Client Sample ID:	EBI-SV-1		
Sampling Date:	2/10/2022		
Laboratory ID:	L2207204-01		
Volatile Organic Compound - (µg/m3)			
TCE	15.4		
cis-1,2-DCE	6.62		U
PCE	3,310		
Vinyl Chloride	4.27		

Sample ID	IA003	
Sampling Date	3/24/2022	
Laboratory ID	22C1405-08	
Volatile Organic Compound - (µg/m³)		
TCE	0.466	D
cis-1,2-DCE	1.34	D
1,1-DCE	0.172	U
PCE	3.41	D
1,1,1-TCA	0.473	U
Vinyl chloride	0.111	U
Carbon tetrachloride	0.491	D

Sample ID	SS003	
Sampling Date	3/24/2022	
Laboratory ID	22C1405-03	
Volatile Organic Compound - (µg/m³)		
TCE	7.77	D
cis-1,2-DCE	6	D
1,1-DCE	0.682	U
PCE	458	D
1,1,1-TCA	1.88	U
Vinyl chloride	0.44	U
Carbon tetrachloride	0.541	U

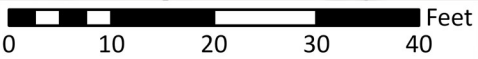
Sample ID	SS005	
Sampling Date	3/24/2022	
Laboratory ID	22C1405-05	
Volatile Organic Compound - (µg/m³)		
TCE	0.511	U
cis-1,2-DCE	0.753	U
1,1-DCE	0.753	U
PCE	67.8	D
1,1,1-TCA	2.07	U
Vinyl chloride	0.486	U
Carbon tetrachloride	0.598	U

Sample ID	IA004	
Sampling Date	3/24/2022	
Laboratory ID	22C1555-02	
Volatile Organic Compound - (µg/m ³)		
TCE	0.13	U
cis-1,2-DCE	0.15	D
1,1-DCE	0.095	U
PCE	0.84	D
1,1,1-TCA	0.52	U
Vinyl chloride	0.12	U
Carbon tetrachloride	0.36	D

Sample ID	SS004	
Sampling Date	3/24/2022	
Laboratory ID	22C1405-04	
Volatile Organic Compound - (µg/m³)		
TCE	1.14	D
cis-1,2-DCE	0.6	U
1,1-DCE	0.6	U
PCE	70	D
1,1,1-TCA	1.65	U
Vinyl chloride	0.387	U
Carbon tetrachloride	0.476	U

Sample ID	SS006		
Sampling Date	3/24/2022		
Laboratory ID	22C1555-01		
Volatile Organic Compound - (µg/m ³)			
TCE	1.7	D	
cis-1,2-DCE	0.15	D	
1,1-DCE	0.13	U	
PCE	70	D	
1,1,1-TCA	0.71	U	
Vinyl chloride	0.17	U	
Carbon tetrachloride	0.24	D	

Notes:
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
D - Result from analysis required dilution.
Shaded text denotes indoor air concentrations exceed NYSDOH AGV



- Sub Slab Vapor Sample
- Indoor Air Sample
- Soil Boring (EBI)
- Property Boundary
- Tax Lot



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REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	LIG2201	Designed by:	MP
Date:	4/15/2022	Drawn by:	AM
Scale:	AS SHOWN	Approved by:	MP

AIR SAMPLING RESULTS

252 3rd Avenue
New York, New York

FIGURE NO:



TABLES

Table 1
Soil Analytical Results for Volatile Organic Compounds

Analyte:	NYSDEC ⁽¹⁾	NYSDEC ⁽²⁾	252-258 3rd Avenue - New York, New York 10065																							
	Soil Cleanup Objectives	Soil Cleanup Objectives	S8001	S8001	S8002	S8002	S8003	S8003	S8004	S8004	S8005	S8005	S8006	S8006	S8007	S8007	S8008	S8008	S8009	S8010	S8011	S8012	S8013	S8014		
	Unrestricted	Restricted-Residential	1-3'	10'	5-7'	10'	3-5'	10'	5-7'	10'	4-6'	8'	3-5'	9'	1-3'	9'	5-7'	9'	0-2'	8-10'	0-2'	5-7'	0-2'	0-2'		
	Use	Use	3/21/2022	3/21/2022	3/21/2022	3/21/2022	3/21/2022	3/21/2022	3/21/2022	3/21/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/23/2022	3/23/2022	3/23/2022	3/23/2022	3/23/2022	3/23/2022	3/24/2022	3/24/2022		
Method 8260C - Volatile Organic Compounds by GC/MS - (mg/kg)																										
1,1,1,2-Tetrachloroethane	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,1,1-Trichloroethane	0.68	100	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,1,2,2-Tetrachloroethane	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,1,2-Trichloroethane	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,1-Dichloroethane	0.27	26	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,1-Dichloroethylene	0.33	100	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,1-Dichloropropene	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,2,3-Trichlorobenzene	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,2,3-Trichloropropane	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.27 JD	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,2,4-Trichlorobenzene	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,2,4-Trimethylbenzene	3.6	52	1.1 U	1.5 D	3.6 D	0.51 U	0.23 U	0.24 U	3.6 D	6.0 D	1.7 D	1.9 D	0.22 U	0.26 U	0.26 U	0.24 U	0.13	1.3 D	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,2-Dibromo-3-chloropropane	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,2-Dibromoethane	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,2-Dichlorobenzene	1.1	100	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,2-Dichloroethane	0.02	3.1	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,2-Dichloropropane	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,3,5-Trimethylbenzene	8.4	52	1.1 U	0.49 D	2.0 D	0.51 U	0.23 U	0.24 U	0.73 D	0.89 D	0.74 D	0.59 D	0.22 U	0.26 U	0.26 U	0.24 U	0.048	0.53 D	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,3-Dichlorobenzene	2.4	49	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,3-Dichloropropane	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,4-Dichlorobenzene	1.8	13	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
1,4-Dioxane	0.1	13	22 U	4.6 U	5.1 U	10 U	4.7 U	4.9 U	4.0 U	5.2 U	5.0 U	4.2 U	4.4 U	5.2 U	5.3 U	4.8 U	0.044 U	4.9 U	0.043 U	5.0 U	0.049 U	0.042 U	0.044 U	0.044 U		
2,2-Dichloropropane	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
2-Butanone	0.12	100	1.1 U	0.23 U	0.26 U	0.51 U	0.27 JD	0.26 JD	0.24 JD	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.027	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
2-Chlorotoluene	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
2-Hexanone	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
4-Chlorotoluene	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
4-Ethyloluene	NS	NS	1.1 U	0.23 U	0.26 U	0.51 U	0.23 U	0.24 U	0.20 U	0.26 U	0.25 U	0.21 U	0.22 U	0.26 U	0.26 U	0.24 U	0.0022 U	0.25 U	0.0021 U	0.25 U	0.0024 U	0.0021 U	0.0022 U	0.0022 U		
Acetone	0.05	100	2.2 U	0.46 U	0.51 U	1.0 U	0.47 U	0.49 U	0.40 U	0.52 U	0.50 U	0.42 U	0.44 U	0.52 U	0.53 U	0.48 U	0.082	0.49 U	0.0047 J	0.50 U	0.100	0.0059 J	0.0044 U	0.0044 U		
Acrolein	NS	NS	2.2 U	0.46 U	0.51 U	1.0 U																				

Table 2
Soil Analytical Results for Semi-Volatile Organic Compounds

Analyte:	NYSDEC ⁽¹⁾		NYSDEC ⁽²⁾		252-258 3rd Avenue - New York, New York 10065													
	Soil Cleanup Objectives Unrestricted Use	Restricted-Residential Use	SB001	SB002	SB003	SB004	SB005	SB006	SB007	SB008	SB009	SB010	SB011	SB012	SB013	SB014		
			1-3' 3/21/2022 22C1166-01	5-7' 3/21/2022 22C1166-04	3-5' 3/22/2022	5-7' 3/22/2022	4-6' 3/22/2022 22C1252-01	3-5' 3/22/2022 22C1252-03	1-3' 3/22/2022 22C1252-05	5-7' 3/23/2022 22C1308-02	0-2' 3/22/2022 22C1252-07	8-10' 3/22/2022 22C1252-09	0-2' 3/23/2022 22C1308-05	5-7' 3/23/2022 22C1308-07	0-2' 3/24/2022 22C1396-01	0-2' 3/24/2022 22C1396-02		
Method: 8270 D - Semivolatile Organic Compounds (GC/MS) - (mg/kg)																		
1,1-Biphenyl	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
1,2,4,5-Tetrachlorobenzene	NS	NS	0.0928 U	0.101 U	0.103 U	0.0932 U	0.0935 U	0.0876 U	0.0918 U	0.0944 U	0.0925 U	0.0956 U	0.094 U	0.0923 U	0.0947 U	0.0936 U		
1,2,4-Trichlorobenzene	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
1,2-Dichlorobenzene	1.1	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
1,3-Dichlorobenzene	2.4	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
1,4-Dichlorobenzene	1.8	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2,3,4,6-Tetrachlorophenol	NS	NS	0.0928 U	0.101 U	0.103 U	0.0932 U	0.0935 U	0.0876 U	0.0918 U	0.0944 U	0.0925 U	0.0956 U	0.094 U	0.0923 U	0.0947 U	0.0936 U		
2,4,5-Trichlorophenol	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2,4,6-Trichlorophenol	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2,4-Dichlorophenol	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2,4-Dimethylphenol	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2,4-Dinitrophenol	NS	NS	0.0928 U	0.101 U	0.103 U	0.0932 U	0.0935 U	0.0876 U	0.0918 U	0.0944 U	0.0925 U	0.0956 U	0.094 U	0.0923 U	0.0947 U	0.0936 U		
2,4-Dinitrotoluene	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	1.11 D	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2,6-Dinitrotoluene	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	1.41 D	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2-Chloronaphthalene	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2-Chlorophenol	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2-Methylnaphthalene	NS	NS	0.0465 U	17.8 D	7.97 D	6.03 D	0.0469 U	0.0439 U	0.0460 U	0.369 D	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2-Methylphenol	0.33	100	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
2-Nitroaniline	NS	NS	0.0928 U	0.101 U	0.103 U	0.0932 U	0.0935 U	0.0876 U	0.0918 U	0.0944 U	0.0925 U	0.0956 U	0.094 U	0.0923 U	0.0947 U	0.0936 U		
2-Nitrophenol	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
3+4-Methylphenol	0.33	100	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
3,3'-Dichlorobenzidine	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
3-Nitroaniline	NS	NS	0.0928 U	0.101 U	0.103 U	0.0932 U	0.0935 U	0.0876 U	0.0918 U	0.0944 U	0.0925 U	0.0956 U	0.094 U	0.0923 U	0.0947 U	0.0936 U		
4,6-Dinitro-o-cresol	NS	NS	0.0928 U	0.101 U	0.103 U	0.0932 U	0.0935 U	0.0876 U	0.0918 U	0.0944 U	0.0925 U	0.0956 U	0.094 U	0.0923 U	0.0947 U	0.0936 U		
4-Bromophenyl phenyl ether	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
p-Chloro-M-Cresol	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
4-Chloroaniline	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
4-Chlorophenyl phenyl ether	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
4-Nitroaniline	NS	NS	0.0928 U	0.101 U	0.103 U	0.0932 U	0.0935 U	0.0876 U	0.0918 U	0.0944 U	0.0925 U	0.0956 U	0.094 U	0.0923 U	0.0947 U	0.0936 U		
4-Nitrophenol	NS	NS	0.0928 U	0.101 U	0.103 U	0.0932 U	0.0935 U	0.0876 U	0.0918 U	0.0944 U	0.0925 U	0.0956 U	0.094 U	0.0923 U	0.0947 U	0.0936 U		
Acenaphthene	20	100	0.0465 U	0.0508 U	0.353 D	0.550 D	0.272 D	0.0439 U	0.0460 U	0.443 D	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Acenaphthylene	100	100	0.0465 U	0.0508 U	0.128 D	0.218 D	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Acetophenone	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Aniline	NS	NS	0.186 U	0.203 U	0.206 U	0.187 U	0.187 U	0.175 U	0.184 U	0.189 U	0.185 U	0.191 U	0.188 U	0.185 U	0.19 U	0.187 U		
Anthracene	100	100	0.0465 U	0.193 D	0.128 D	0.260 D	0.104 D	0.0439 U	0.0460 U	0.235 D	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Atrazine	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Benzaldehyde	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.193 D	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Benzidine	NS	NS	0.186 U	0.203 U	0.206 U	0.187 U	0.187 U	0.175 U	0.184 U	0.189 U	0.185 U	0.191 U	0.188 U	0.185 U	0.190 U	0.187 U		
Benzo(a)anthracene	1	1	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Benzo(a)pyrene	1	1	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Benzo(b)fluoranthene	1	1	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Benzo(ghi)perylene	100	100	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Benzo(k)fluoranthene	0.8	3.9	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Benzoic Acid	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Benzyl Alcohol	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Butyl benzyl phthalate	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.279 D	0.0473 U	0.0463 U	0.0479 U	0.0471 U	0.0463 U	0.0475 U	0.0469 U		
Bis(2-chloroethoxy)methane	NS	NS	0.0465 U	0.0508 U	0.0516 U	0.0467 U	0.0469 U	0.0439 U	0.0460 U	0.0473 U	0.0463 U	0.0						

Table 3
Soil Analytical Results for Metals

Analyte:	NYSDEC ⁽¹⁾	NYSDEC ⁽²⁾	252-258 3rd Avenue - New York, New York 10065													
	Soil Cleanup Objectives	Soil Cleanup Objectives	SB001	SB002	SB003	SB004	SB005	SB006	SB007	SB008	SB009	SB010	SB011	SB012	SB013	SB014
	Unrestricted Use	Restricted-Residential	1-3'	5-7'	3-5'	5-7'	4-6'	3-5'	1-3'	5-7'	0-2'	8-10'	0-2'	5-7'	0-2'	0-2'
		Use	3/21/2022	3/21/2022	3/21/2022	3/21/2022	3/22/2022	3/22/2022	3/22/2022	3/22/2022	3/23/2022	3/22/2022	3/22/2022	3/23/2022	3/23/2022	3/24/2022
			22C1166-01	22C1166-04	22C1166-07	22C1166-09	22C1252-01	22C1252-03	22C1252-05	22C1308-02	22C1252-07	22C1252-09	22C1308-05	22C1308-07	22C1396-01	22C1396-02
Method: 6010C - Metals (ICP) - (mg/kg)																
Aluminum, Total	NS	NS	10,700	6,890	15,200	10,100	13,200	8,520	7,990	11,500	12,500	6,470	9,020	10,900	9,880	19,200
Antimony, Total	NS	NS	2.82 U	3.11 U	3.17 U	2.81 U	4.74	2.63 U	2.82 U	3.96	3.08	2.92 U	2.84 U	3.85	4.01	8.00
Arsenic, Total	13	16	1.69 U	1.86 U	1.90 U	1.69 U	1.73 U	1.6 U	1.69 U	1.74 U	1.69 U	1.75 U	2.89	1.67 U	2.17	1.84
Barium, Total	350	400	79.4	53.1	137	107	135	81.6	69.5	110	76.0	56.8	68.8	95.0	71.5	125
Beryllium, Total	7.2	72	0.056 U	0.062 U	0.063 U	0.056 U	0.058 U	0.053 U	0.056 U	0.058 U	0.056 U	0.058 U	0.057 U	0.056 U	0.058 U	0.057 U
Cadmium, Total	2.5	4.3	0.338 U	0.373 U	0.380 U	0.494	0.346 U	0.316 U	0.339 U	0.348 U	0.337 U	0.351 U	0.340 U	0.334 U	0.350 U	0.341 U
Calcium, Total	NS	NS	1,420	1,140	3,340	24,700	1,590	1,280	1,270	1,540	1,540	1,420	1,640	2,450	1,330	1,580
Chromium, Total	30 ^c	180	18.7	14.0	28.0	23.1	24.2	16.7	16.5	22.9	20.0	16.3	11.7	25.4	16.0	31.3
Cobalt, Total	NS	NS	8.64	3.74	11.1	9.20	12.20	8.65	7.56	9.98	10.3	7.21	6.57	10.9	4.97	13.0
Copper, Total	50	270	29.8	3.31	30.1	73.9	32.4	21.7	22.7	32.0	22.7	21.6	4.14	31.2	5.36	28.5
Iron, Total	NS	NS	15,600	7,260	19,800	16,500	21,000	14,100	13,500	18,500	17,300	13,100	11,900	18,900	13,800	23,500
Lead, Total	63	400	5.01	6.80	27.9	107	6.22	4.31	4.36	4.84	8.46	3.94	11.8	6.36	35.9	9.70
Magnesium	NS	NS	2,960	1,010	4,250	4,230	4,290	3,080	2,790	3,580	3,510	2,700	1,150	4,010	1,490	6,220
Manganese, Total	1,600	2,000	402	87	632	315	979	241	270	657	336	149	71.1	180	77.5	593
Nickel, Total	30	310	18.3 B	7.28 B	21.1 B	19.3 B	19.3	15.9	13.2	21.6	16.0	14.9	7.84	23.8	10.9	26.9
Potassium, Total	NS	NS	2,460 B	331 B	3,500 B	3190 B	3,900 B	2,890 B	2,370 B	3,250 B	1,980 B	2,070 B	577 B	3,900 B	531 B	4,130 B
Selenium, Total	3.9	180	2.82 U	3.11 U	3.17 U	2.81 U	2.89 U	2.63 U	2.82 U	2.9 U	2.81 U	2.92 U	2.84 U	2.79 U	2.91 U	2.84 U
Silver, Total	2	180	0.564 U	0.621 U	0.634 U	0.563 U	0.577 U	0.527 U	0.565 U	0.579 U	0.562 U	0.584 U	0.567 U	0.557 U	0.583 U	0.568 U
Sodium, Total	NS	NS	89.1	92.9	259	221	102	84.1	77.8	120	142	139	159	217	275	519
Thallium, Total	NS	NS	2.82 U	3.11 U	3.17 U	2.81 U	2.89 U	2.63 U	2.82 U	2.9 U	2.81 U	2.92 U	2.84 U	2.79 U	2.91 U	2.84 U
Vanadium, Total	NS	NS	26.3	23.0	34.3	28.8	33.1	22.4	23.1	33.0	28.6	23.0	23.3	35.8	23.2	40.0
Zinc, Total	109	10,000	65.7	18.5	63.9	146	45.3	32.5	27.9	37.3	36.1	28.7	19.6	40.5	21.1	40.7
Method: 7471B - Mercury (CVAA) - (mg/kg)																
Mercury, Total	0.18	0.81	0.0338 U	0.0373 U	0.0486	1.55	0.0346 U	0.0316 U	0.0548	0.0348 U	0.0337 U	0.0351 U	0.0340 U	0.0334 U	0.035 U	0.080

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

NS - No Standard

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

S - Laboratory solvent, contamination is possible.

U - Indicates the analyte was analyzed for but not detected.

Highlighted text denotes concentrations exceeding the NYSDEC Unrestricted Use SCO

Highlighted text denotes concentrations exceeding the NYSDEC Restricted Residential Use SCO

Table 4

Groundwater Analytical Results for Volatile Organic Compounds

252-258 Third Avenue, New York, New York

Client Sample ID:	NYS AWQS & GV's June 1998 ⁽¹⁾	GW001 3/23/2022 22C1308-01	GW002 3/21/2022 22C1166-06	GW003 3/21/2022 22C1252-08	GW004 3/21/2022 22C1252-10	GW005 3/23/2022 22C1308-04	GW006 3/23/2022 22C1308-06	GW007 3/24/2022 22C1396-03
Sampling Date:								
Laboratory ID:								
Method: 8260 C - Volatile Organic Compounds - (µg/L)								
1,1,1,2-Tetrachloroethane	5*	3.9 JD	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,1,1-Trichloroethane	5*	2.9 JD	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,1,2,2-Tetrachloroethane	5*	2.0 U	2.25 JD	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,1,2-Trichloroethane	1	6.4 D	5.90 D	0.370 J	1.00 U	4.0 U	9.7 D	0.200 U
1,1-Dichloroethane	5*	2.1 JD	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,1-Dichloroethene	5*	21.6 D	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,2,3-Trichlorobenzene	5*	2.0 U	1.35 JD	0.200 U	1.75 JD	4.0 U	3.2 JD	0.200 U
1,2,3-Trichloropropane	0.04	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	4.2 JD	0.200 U
1,2,4-Trichlorobenzene	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,2,4-Trimethylbenzene	5*	40.8 D	22.6 D	4.45	1.00 U	39.2 D	114 D	1.23
1,2-Dibromo-3-chloropropane	0.04	2.0 U	8.25 D	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,2-Dibromoethane	0.0006	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,2-Dichlorobenzene	3**	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,2-Dichloroethane	0.6	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,2-Dichloropropane	1	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,3,5-Trimethylbenzene	5*	13 D	10.4 D	1.38	1.00 U	19.2 D	53.3 D	0.410 J
1,3-Dichlorobenzene	3**	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,3-Dichloropropane	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,4-Dichlorobenzene	3**	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
1,4-Dioxane	NS	400 U	200 U	40.0 U	200 U	800 U	400 U	40.0 U
2-Butanone	50	568 D	12.4 D	12.4	4.65 D	6.0 JD	8.6 D	2.08
2-Hexanone	50	2.0 U	16.2 D	1.48	5.70 D	4.0 U	47.6 D	0.350 J
4-Methyl-2-pentanone	NS	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Acetone	50	79.1 D	9.9 JD	15.7	11.0 D	20 U	15.8 JD	6.70
Acrolein	NS	2.0 U	1.0 U	0.200 J	1.00 U	4.0 U	2.0 U	0.200 U
Acrylonitrile	NS	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Benzene	1	2.0 U	3.25 D	0.200 J	1.00 U	4.0 U	2.0 U	0.200 U
Bromochloromethane	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Bromodichloromethane	50	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Bromoform	50	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Bromomethane	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Carbon Disulfide	60	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.310 J
Carbon Tetrachloride	5	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Chlorobenzene	5*	4.0 JD	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Chloroethane	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Chloroform	7	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Chloromethane	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
cis-1,2-Dichloroethylene	5*	3,110 D	63.8 D	56.5	16.8 D	23.2 D	28.4 D	1.18
cis-1,3-Dichloropropylene	0.4***	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Cyclohexane	NS	2.0 U	5.45 D	0.200 U	1.00 U	4.0 U	2.9 JD	0.200 U
Dibromochloromethane	50	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Dibromomethane	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Dichlorodifluoromethane	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Ethyl Benzene	5*	16.4 D	9.9 D	1.74	1.00 U	4.0 U	2.4 JD	0.200 U
Hexachlorobutadiene	0.5	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Isopropylbenzene	5*	4.3 JD	17.6 D	1.92	1.00 U	4.0 U	7.5 D	0.200 U
Methyl acetate	NS	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Methyl tert-butyl ether (MTBE)	10	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Methylcyclohexane	NS	4.4 JD	17.6 D	0.610	1.00 U	4.0 U	17.1 D	0.200 U
Methylene chloride	5*	10 U	5.0 U	1.77 JB	5.00 U	20 U	10 U	2.43
Naphthalene	10	67.1 D	423 D	50.4	5.00 U	80.6 D	165 D	7.3
n-Butylbenzene	5*	2.0 U	14.8 D	1.38	1.00 U	5.4 JD	19.9 D	0.300 J
N-Propylbenzene	5*	6.5 D	25.8 D	2.59	1.00 U	4.0 U	6.7 D	0.200 U
o-Xylene	5*	8.4 D	1.0 U	0.630	1.00 U	4.0 U	7.3 D	0.200 U
p- & m- Xylenes	5*	31.7 D	8.70 D	2.12	2.50 U	10 U	37 D	0.500 U
p-Diethylbenzene	NS	4.6 JD	19 D	2.07	1.00 U	18 D	58 D	0.810
p-Ethyltoluene	NS	9.8 D	5.50 D	0.970	1.00 U	9.0 JD	24 D	0.200 U
p-Isopropyltoluene	5*	2.0 U	1.85 JD	0.240 J	1.00 U	4.0 U	10.2 D	0.200 U
sec-Butylbenzene	5*	2.0 U	15.2 D	1.76	1.85 JD	4.2 JD	12.9 D	0.200 U
Styrene	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
tert-Butyl alcohol (TBA)	NS	5.0 U	2.50 U	0.500 U	2.50 U	10 U	5.0 U	0.500 U
tert-Butylbenzene	5*	2.0 U	1.60 JD	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Tetrachloroethene	5*	103,000 D	1,020 D	5,860 D	594 D	6,180 D	1,550 D	179 D
Toluene	5*	8.2 D	1.0 U	0.520	1.00 U	4.0 U	2.0 U	0.200 J
trans-1,2-Dichloroethylene	5*	72.4 D	1.0 U	0.370 J	1.00 U	4.0 U	2.0 U	0.200 U
trans-1,3-Dichloropropylene	0.4***	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Trichloroethene	5*	15,400 D	232 D	654 D	187 D	301 D	343 D	18.1
Trichlorofluoromethane	5*	2.0 U	1.0 U	0.200 U	1.00 U	4.0 U	2.0 U	0.200 U
Vinyl Chloride	2	161 D	1.0 U	0.200 J	1.00 U	4.0 U	2.0 U	0.200 U
Xylenes, Total	5*	40.1 D	8.7 D	2.75	3.00 U	12 U	44.6 D	0.600 U
Total VOCs		122,686.7	1,983	6,678.72	822.75	6,667.8	2,593.7	220.4

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(W5) - Source of Drinking Water (Groundwater)

* The principal organic contaminant standard for groundwater of 5µg/L applies to this substance.

** - Applies to the sum of 1,2-, 1,3- and 1,4-xylene

*** - Applies to the sum of cis- and trans-1,3-dichloropropylene.

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Indicates the analyte was analyzed for but not detected.

Highlighted text denotes concentrations exceeding NYSDEC AWQS or GV for GA Water Class, Type H(W5)

Table 5

Groundwater Analytical Results for Semivolatile Organic Compounds

252-258 Thrid Avenue, New York, New York

Client Sample ID: Sampling Date: Laboratory ID:	CAS No.	NYS AWQS & GVs June 1998 ⁽¹⁾	GW001 3/21/2022 22C1166-03	GW002 3/21/2022 22C1166-06	GW004 3/21/2022 22C1252-10	GW006 3/23/2022 22C1308-06	GW007 3/24/2022 22C1396-03
Method: 8270 D - Semivolatile Organic Compounds - (µg/L)							
1,1-Biphenyl	92-52-4	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
1,2,4,5-Tetrachlorobenzene	95-94-3	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
1,2,4-Trichlorobenzene	120-82-1	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
1,2-Dichlorobenzene	95-50-1	3	6.25 U	152 U	2.78 U	2.78 U	2.94 U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
1,3-Dichlorobenzene	541-73-1	3	6.25 U	152 U	2.78 U	2.78 U	2.94 U
1,4-Dichlorobenzene	106-46-7	3	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	6.25 U	345 D	2.78 U	2.78 U	2.94 U
2,4,5-Trichlorophenol	95-95-4	1	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2,4,6-Trichlorophenol	88-06-2	1	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2,4-Dichlorophenol	120-83-2	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2,4-Dimethylphenol	105-67-9	50	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2,4-Dinitrophenol	51-28-5	10	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2,4-Dinitrotoluene	121-14-2	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2,6-Dinitrotoluene	606-20-2	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2-Chloronaphthalene	91-58-7	10	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2-Chlorophenol	95-57-8	1	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2-Methylnaphthalene	91-57-6	NS	87.2	6,500 D	8.08	77.6 D	10.9
2-Methylphenol	95-48-7	1	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2-Nitroaniline	88-74-4	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
2-Nitrophenol	88-75-5	1	6.25 U	152 U	2.78 U	2.78 U	2.94 U
3- & 4-Methylphenols	65794-96-9	1	6.25 U	152 U	2.78 U	2.78 U	2.94 U
3,3-Dichlorobenzidine	91-94-1	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
3-Nitroaniline	99-09-2	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
4,6-Dinitro-2-methylphenol	534-52-1	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
4-Bromophenyl phenyl ether	101-55-3	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
p-Chloro-m-cresol	59-50-7	1	6.25 U	152 U	2.78 U	2.78 U	2.94 U
4-Chloroaniline	106-47-8	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
4-Chlorophenyl phenyl ether	7005-72-3	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
4-Nitroaniline	100-01-6	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
4-Nitrophenol	100-02-7	NS	12.5 U	303 U	5.56 U	5.56 U	5.88 U
Acetophenone	98-86-2	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Aniline	62-53-3	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Benzaldehyde	100-52-7	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Benzidine	92-87-5	NS	12.5 U	303 U	5.56 U	5.56 U	5.88 U
Benzoic acid	65-85-0	NS	6.25 U	152 U	2.78 U	17.2	2.94 U
Benzyl alcohol	100-51-6	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Benzyl butyl phthalate	108-60-1	5*	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Bis(2-chloroethoxy)methane	85-68-7	50	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Bis(2-chloroethyl)ether	111-44-4	1.0	2.5 U	60.6 U	1.11 U	1.11 U	1.18 U
Bis(2-chloroisopropyl)ether	117-81-7	5	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Caprolactam	105-60-2	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Carbazole	86-74-8	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Dibenzofuran	132-64-9	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Diethyl phthalate	84-66-2	50	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Dimethyl phthalate	131-11-3	50	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Di-n-butyl phthalate	84-74-2	50	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Di-n-octyl phthalate	117-84-0	50	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Hexachlorocyclopentadiene	77-47-4	5*	12.5 U	303 U	5.56 U	5.56 U	5.88 U
Isophorone	78-59-1	50	6.25 U	152 U	2.78 U	2.78 U	2.94 U
N-nitrosodi-n-propylamine	621-64-7	NS	6.25 U	152 U	2.78 U	2.78 U	2.94 U
NDPA/DPA	86-30-6	50	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Phenol	108-95-2	1	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Pyridine	110-86-1	50	6.25 U	152 U	2.78 U	2.78 U	2.94 U
Method: 8270 SIM- Semivolatile Organic Compounds - (µg/L)							
Acenaphthene	83-32-9	20	2.55	0.303 U	0.556 U	2.43	0.600
Acenaphthylene	208-96-8	NS	1.30	0.303 U	0.556 U	1.24	0.176
Anthracene	120-12-7	50	6.65	30.3 U	0.556 U	0.833	0.0588 U
Atrazine	1912-24-9	NS	1.25 U	3.03 U	5.56 U	0.556 U	0.588 U
Benzo(a)anthracene	56-55-3	0.002	0.125 U	0.727	0.556 U	0.0556 U	0.0588 U
Benzo(a)pyrene	50-32-8	ND	0.125 U	8.55	0.556 U	0.0556 U	0.0588 U
Benzo(b)fluoranthene	205-99-2	0.002	0.125 U	0.303 U	0.556 U	0.0556 U	0.0588 U
Benzo(ghi)perylene	191-24-2	NS	0.125 U	0.303 U	0.556 U	0.0556 U	0.0588 U
Benzo(k)fluoranthene	207-08-9	0.002	0.125 U	0.303 U	0.556 U	0.0556 U	0.0588 U
Bis(2-ethylhexyl)phthalate	105-60-2	NS	3.15	3.03 U	5.56 U	0.556 U	0.776 B
Chrysene	218-01-9	0.002	0.125 U	2.0	0.556 U	0.0556 U	0.0588 U
Dibenzo(a,h)anthracene	53-70-3	NS	0.125 U	0.303 U	0.556 U	0.0556 U	0.0588 U
Fluoranthene	206-44-0	50	0.200	29.8	1.56 D	0.189	0.0588 U
Fluorene	86-73-7	50	4.40	0.303 U	0.556 U	0.511	0.953
Hexachlorobenzene	118-74-1	0.04	0.050 U	0.121 U	0.222 U	0.0222 U	0.0235 U
Hexachlorobutadiene	87-68-3	0.5	1.25 U	3.03 U	5.56 U	0.556 U	0.588 U
Hexachloroethane	67-72-1	5*	1.25 U	3.03 U	5.56 U	0.556 U	0.588 U
Indeno(1,2,3-cd)Pyrene	193-39-5	0.002	0.125 U	0.303 U	0.556 U	0.0556 U	0.0588 U
Naphthalene	91-20-3	10	68	1,670 BD	7.56 D	14.5 D	3.76
Nitrobenzene	98-95-3	0.4	0.625 U	1.52 U	2.78 U	0.278 U	0.294 U
N-Nitrosodimethylamine	62-75-9	NS	1.25 U	3.03 U	5.56 U	0.556 U	0.588 U
Pentachlorophenol	87-86-5	1	0.625 U	1.52 U	2.78 U	0.278 U	0.294 U
Phenanthrene	85-01-8	50	6.70	1,140 D	4.11 D	7.22 D	1.32
Pyrene	129-00-0	50	0.350	0.303 U	2.56 D	0.200	0.0588 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)

* The principal organic contaminant standard for groundwater of 5µg/L applies to this substance.

J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U - Indicates the analyte was analyzed for but not detected.

Highlighted text denotes concentrations exceeding NYSDEC AWQS or GV for GA Water Class, Type H(WS)

Table 6
Groundwater Analytical Results for Metals (Total and Dissolved)
252-258 Thrid Avenue, New York, New York

Client Sample ID:	CAS No.	NYS AWQS & GVs June 1998 ⁽¹⁾	GW001 3/21/2022 22C1166-03		GW002 3/21/2022 22C1166-06		GW004 3/21/2022 22C1252-10		GW006 3/23/2022 22C1308-06		GW007 3/24/2022 22C1396-03	
Laboratory ID:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Method: 6010 D - Metals - (µg/L)												
Arsenic	7440-38-2	25	17 U	1.7	17 U	3.28	17 U	1.11 U	38	1.11 U	17 U	4.47
Barium	7440-39-3	1,000	4,240	254	4,920	559	5,860	310	2,040	98.1	2,170	178
Cadmium	7440-43-9	5	11	0.556 U	3.0 U	0.556 U	3.0 U	0.556 U	12	0.556 U	7.0	0.556 U
Chromium	7440-47-3	50	241	1.87	282	1.11 U	378	1.11 U	509	4.84	539	1.11 U
Lead	7439-92-1	25	6.0 U	1.11 U	334	1.11 U	1,030	1.11 U	1,220	1.11 U	704	1.11 U
Selenium	7782-49-2	10	28 U	1.11 U	28 U	1.11 U	28 U	1.11 U	28 U	6.17	28 U	1.11 U
Silver	7440-22-4	50	6.0 U	1.11 U	6.0 U	1.11 U	6.0 U	1.11 U	6.0 U	1.11 U	6.0 U	1.11 U
Method: 7473 - Mercury - (µg/L)												
Mercury	7439-97-6	0.7	251.1	0.8	0.500 U	0.200 U	0.200 U	0.200 U	2.0	0.200 U	0.200 U	0.200 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)

NS - No Standard

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

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

Highlighted text denotes concentrations exceeding NYSDEC AWQS or GV for GA Water Class, Type H(Ws)

Table 7
Air and Vapor Analytical Results for Volatile Organic Compounds
252-258 Third Avenue, New York, New York

Sample ID: Corresponding IA: Sampling Date: Lab Sample ID: Sample Type:		IA001 N/A 3/24/2022 22C1405-06 Indoor Air	IA002 N/A 3/24/2022 22C1405-07 Indoor Air	IA003 N/A 3/24/2022 22C1405-08 Indoor Air	IA004 N/A 3/24/2022 22C1555-02 Indoor Air	SS001 22C1405-01 Soil Vapor	SS002 IA001 3/24/2022 22C1405-02 Soil Vapor	SS003 3/24/2022 22C1405-03 Soil Vapor	SS004 IA002 3/24/2022 22C1405-04 Soil Vapor	SS005 IA003 3/24/2022 22C1405-05 Soil Vapor	SS006 IA004 3/24/2022 22C1555-01 Soil Vapor
Volatile Organic Compounds (µg/m ³)											
1,1,1,2-Tetrachloroethane	NS	0.616 U	0.561 U	0.595 U	0.65 U	12.6 U	60.2 D	2.36 U	2.08 U	2.61 U	0.89 U
1,1,1-Trichloroethane	NS	0.490 U	0.446 U	0.473 U	0.52 U	10 U	179 D	1.88 U	1.65 U	2.07 U	0.71 U
1,1,2,2-Tetrachloroethane	NS	0.616 U	0.561 U	0.595 U	0.65 U	12.6 U	12.5 U	2.36 U	2.08 U	2.61 U	0.89 U
Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane)	NS	0.688 D	0.751 D	0.664 D	0.73 U	14 U	14 U	2.64 U	2.32 U	2.91 U	0.99 U
1,1,2-Trichloroethane	NS	0.490 U	0.446 U	0.473 U	0.52 U	10 U	9.97 U	1.88 U	1.65 U	2.07 U	0.71 U
1,1-Dichloroethane	NS	0.363 U	0.331 U	0.351 U	0.39 U	7.41 U	7.40 U	1.39 U	1.23 U	1.54 U	0.53 U
1,1-Dichloroethene	NS	0.178 U	0.162 U	0.172 U	0.095 U	3.63 U	81.9 D	0.682 U	0.6 U	0.753 U	0.13 U
1,2,4-Trichlorobenzene	NS	0.666 U	0.606 U	0.643 U	0.71 U	13.6 U	13.6 U	2.55 U	2.25 U	2.82 U	0.96 U
1,2,4-Trimethylbenzene	NS	0.441 U	0.402 U	0.426 U	1.4 D	9.01 U	8.99 U	44.5 D	4.76 D	6.54 D	3.8 D
1,2-Dibromoethane	NS	0.690 U	0.628 U	0.666 U	0.73 U	14.1 U	14 U	2.64 U	2.33 U	2.92 U	1.0 U
1,2-Dichlorobenzene	NS	0.540 U	0.491 U	0.521 U	0.57 U	11 U	11 U	2.07 U	1.82 U	2.28 U	0.78 U
1,2-Dichloroethane	NS	0.363 U	0.331 U	0.351 U	0.39 U	7.41 U	7.40 U	1.39 U	1.23 U	1.54 U	0.53 U
1,2-Dichloropropane	NS	0.415 U	0.378 U	0.401 U	0.44 U	8.47 U	8.45 U	1.59 U	1.40 U	1.76 U	0.60 U
Freon 114 (1,2-Dichlorotetrafluoroethane)	NS	0.628 U	0.571 U	0.606 U	0.67 U	12.8 U	12.8 U	2.41 U	2.12 U	2.66 U	0.91 U
1,3,5-Trimethylbenzene	NS	0.441 U	0.402 U	0.426 U	0.47 J	9.01 U	8.99 U	25.9 D	1.64 D	2.05 D	0.89 D
1,3-Butadiene	NS	0.596 U	0.542 U	0.575 U	0.63 U	12.2 U	12.1 U	2.28 U	2.01 U	2.52 U	0.86 U
1,3-Dichlorobenzene	NS	0.540 U	0.491 U	0.521 U	0.57 U	11 U	11 U	2.07 U	1.82 U	2.28 U	0.78 U
1,3-Dichloropropane	NS	0.415 U	0.378 U	0.401 U	0.44 U	8.47 U	8.45 U	1.59 U	1.40 U	1.76 U	0.60 U
1,4-Dichlorobenzene	NS	0.540 U	0.491 U	0.521 U	0.57 U	11 U	11 U	2.07 U	1.82 U	2.28 U	0.78 U
1,4-Dioxane	NS	0.647 U	0.589 U	0.625 U	0.69 U	13.2 U	13.2 U	2.48 U	2.18 U	2.74 U	0.94 U
2-Butanone	NS	0.715 D	0.458 D	2.48 D	0.51 D	26.5 D	30.7 D	39.3 D	98.6 D	25.9 D	8.7 D
2-Hexanone	NS	0.736 U	0.669 U	0.71 U	0.78 U	15 U	22.5 D	10.3 D	18.1 D	5.29 D	2.1 D
3-Chloropropene	NS	1.41 U	1.28 U	1.36 U	1.5 U	28.7 U	28.6 U	5.39 U	4.74 U	5.95 U	2.0 U
4-Methyl-2-pentanone	NS	0.368 U	0.335 U	0.355 U	0.51 D	7.50 U	7.49 U	1.41 U	2.73 D	1.56 U	0.53 U
Acetone	NS	104 D	10.9 D	26.5 D	12 D	676 D	496 D	695 D	258 D	20.9 D	7.3 D
Acrylonitrile	NS	0.195 U	0.177 U	0.188 U	0.21 U	3.98 U	3.97 U	0.747 U	0.657 U	0.825 U	0.28 U
Benzene	NS	0.775 D	0.861 D	0.886 D	1.1 D	5.85 U	5.84 U	4.62 D	3.97 D	1.21 U	0.41 U
Benzyl chloride	NS	0.465 U	0.423 U	0.449 U	0.49 U	9.48 U	9.46 U	1.78 U	1.57 U	1.97 U	0.67 U
Bromodichloromethane	NS	0.602 U	0.547 U	0.581 U	0.64 U	12.3 U	12.2 U	2.31 U	2.03 U	2.55 U	0.87 U
Bromodorm	NS	0.928 U	0.845 U	0.896 U	0.99 U	18.9 U	18.9 U	3.56 U	3.13 U	3.93 U	1.3 U
Bromomethane	NS	0.349 U	0.317 U	0.337 U	0.37 U	7.11 U	7.10 U	1.34 U	1.18 U	1.48 U	0.50 U
Carbon disulfide	NS	0.280 U	0.254 U	0.270 U	0.30 U	5.71 U	55.8 D	1.07 U	0.943 U	1.18 U	0.40 U
Carbon tetrachloride	NS	0.395 D	0.36 D	0.491 D	0.36 D	2.88 U	2.88 U	0.541 U	0.476 U	0.598 U	0.24 D
Chlorobenzene	NS	0.413 U	0.376 U	0.399 U	0.44 U	8.43 U	16.8 D	1.58 U	1.39 U	1.75 U	0.60 U
Chloroethane	NS	0.237 U	0.216 U	0.229 U	0.25 U	4.83 U	4.82 U	0.908 U	0.799 U	1.00 U	0.34 U
Chloroform	NS	0.438 U	0.399 U	4.23 D	0.93 D	9.84 D	115 D	9.24 D	1.63 D	5.01 D	26 D
Chloromethane	NS	1.28 D	1.25 D	4.49 D	1.0 D	3.78 U	3.77 U	1.35 D	0.625 U	0.785 U	0.43 D
cis-1,2-Dichloroethene	NS	0.926 D	0.162 U	1.34 D	0.15 D	1180 D	45300 D	6.00 D	0.600 U	0.753 U	0.15 D
cis-1,3-Dichloropropene	NS	0.408 U	0.371 U	0.394 U	0.43 U	8.31 U	8.30 U	1.56 U	1.37 U	1.72 U	0.59 U
Cyclohexane	NS	0.309 U	0.281 U	0.388 D	0.79 D	6.31 U	6.29 U	1.54 D	1.04 U	1.31 U	0.45 U
Dibromochloromethane	NS	0.765 U	0.696 U	0.739 U	0.81 U	15.6 U	15.6 U	2.93 U	2.58 U	3.24 U	1.1 U
Dichlorodifluoromethane	NS	2.26 D	2.26 D	2.74 D	2.2 D	9.06 U	9.04 U	2.21 D	3.14 D	3.76 D	2.8 D
Ethyl Acetate	NS	1.71 D	0.589 U	8.59 D	2.4 D	13.2 U	13.2 U	4.71 D	3.16 D	2.74 U	0.94 U
Ethylbenzene	NS	0.390 U	0.355 U	0.376 U	0.87 D	7.96 U	7.94 U	6.43 D	3.29 D	1.82 D	0.79 D
Hexachlorobutadiene	NS	0.958 U	0.871 U	0.925 U	1.0 U	19.5 U	19.5 U	3.67 U	3.23 U	4.05 U	1.4 U
Isopropanol	NS	13.3 D	11.5 D	14.2 D	79 BD	34.7 BD	27 BD	3.13 D	5.95 D	2.99 D	16 BD
Methyl Methacrylate	NS	0.368 U	0.334 U	0.390 D	2.8 D	7.50 U	7.48 U	1.41 U	1.24 U	1.56 U	0.53 U
Methyl tert butyl ether	NS	0.324 U	0.295 U	0.313 U	0.34 U	6.60 U	6.59 U	1.24 U	1.09 U	1.37 U	0.47 U
Methylene chloride	60	0.624 U	0.795 D	0.783 D	0.66 J	12.7 U	12.7 U	2.39 U	2.10 U	2.64 U	0.90 J
n-Heptane	NS	0.368 U	0.335 U	0.533 D	1.2 D	7.51 U	7.49 U	2.68 D	1.61 D	1.56 U	1.0 D
n-Hexane	NS	0.443 D	0.403 D	0.856 D	2.5 D	45.2 D	101 D	106 D	66.1 D	4.15 D	3.2 D
o-Xylene	NS	0.390 U	0.355 U	0.376 U	1.0 D	7.95 U	7.94 U	14.9 D	5.65 D	3.30 D	1.2 D
p/m-Xylene	NS	0.780 U	0.709 U	0.753 U	3.1 D	15.9 U	15.9 U	25.6 D	14.7 D	8.91 D	3.4 D
P-Ethyltoluene	NS	0.441 U	0.402 U	0.426 U	1.2 D	9.01 U	8.99 U	40.1 D	5.21 D	4.86 D	2.4 D
Propylene	NS	0.155 U	0.141 U	0.149 U	0.16 U	3.15 U	12 D	0.592 U	0.521 U	0.654 U	0.22 U
Styrene	NS	0.383 U	0.348 U	0.369 U	0.41 U	7.8 U	7.79 U	1.47 U	1.29 U	1.62 U	0.55 U
Tetrachloroethene	30	104 D	19.1 D	3.41 D	0.84 D	39,000 D	1,010,000 D	458 D	70 D	67.8 D	70 D
Tetrahydrofuran	NS	0.530 U	0.482 U	0.716 D	0.65 D	10.8 U	10.8 U	2.03 U	2.32 D	2.24 U	0.77 U
Toluene	NS	1.29 D	1.08 D	1.96 D	4.5 D	13.1 D	13.1 D	9.21 D	17.2 D	6.16 D	13 D
trans-1,2-Dichloroethene	NS	0.356 U	0.324 U	0.344 U	0.38 U	10.9 D	198 D	1.36 U	1.20 U	1.51 U	0.51 U
trans-1,3-Dichloropropene	NS	0.408 U	0.371 U	0.394 U	0.43 U	8.31 U	8.30 U	1.56 U	1.37 U	1.72 U	0.59 U
Trichloroethene	2	0.676 D	0.527 D	0.466 D	0.13 U	1,570 D	8,740 D	7.77 D	1.14 D	0.511 U	1.7 D
Trichlorofluoromethane	NS	1.21 D	1.29 D	1.46 D	1.1 D	10.3 U	10.3 U	1.93 U	1.7 U	2.14 U	1.3 D
Vinyl acetate	NS	0.316 U	0.288 U	0.305 U	0.34 U	6.45 U	6.44 U	1.21 U	1.07 U	1.34 U	0.46 U
Vinyl bromide	NS	0.393 U	0.357 U	0.379 U	0.42 U	8.01 U	8.00 U	1.51 U	1.32 U	1.66 U	0.57 U
Vinyl chloride	NS	0.115 U	0.104 U	0.111 U	0.12 U	2.81 D	990 D	0.440 U	0.387 U	0.486 U	0.17 U

Notes:
1 - Air Guideline Values, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (applies to indoor/ambient air only)
J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL).
U - Not detected at the reported detection limit for the sample.
D - Result is from an analysis that required a dilution

Shaded text denotes indoor air concentrations exceed NYSDOH AGV



APPENDIX A SOIL BORING LOGS

PROJECT #:		LIG2201			
SITE ADDRESS:		252 3rd Ave, New York, NY			
BORING ID:		SB001		BORING DEPTH (FT):	CORE LENGTH (FT):
GRID:		N/A		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Direct Push		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:	LOGGED BY:
				Derek Ersbak	Michael Pecoraro

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					1400	0	
1			2	(FILL) Grey; Historic Fill and Concrete; Dry		1	
2						2	
3					5000	3	
4						4	
5			2.5	(FILL) Grey; Hisotic fill intermixed with Decomposed Bedrock; Dry	5000	5	
6						6	
7						7	
8				(CH) Grey; Clays with High Plasticity; Wet	5000	8	
9			3			9	
10						10	

P.W. Grosser Consulting	End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB002		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/21/2022		03/21/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				09:55		11:25	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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						1	
2			3			2	
3				(FILL) Brown and Grey; Historic Fill and Concrete; Dry	184	3	
4						4	
5			2			5	
6				(CH) Grey; Clays with High Plasticity; Dry	207	6	
7						7	
8			3	(CH) Grey; Clays with High Plasticity; Wet	211	8	
9						9	
10						10	

P.W. Grosser Consulting

End of Boring Depth (feet): 10

Water Table Symbol: ▼

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PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB003		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/21/2022		03/21/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				11:40		13:30	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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						1	
2			3.5	(FILL) Brown; Historic Fill; Dry	61	2	
3						3	
4						4	
5			1	(CH) Grey; Clays with High Plasticity; Dry	66	5	
6						6	
7						7	
8			3	(CH) Grey; Clays with High Plasticity; Wet	170	8	
9						9	
10						10	

P.W. Grosser Consulting	End of Boring Depth (feet): 10	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB004		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/21/2022		03/21/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				13:55		14:30	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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						1	
2			1	(FILL) Brown; Historic Fill; Dry	14	2	
3						3	
4						4	
5			1	(CH) Grey; Clays with High Plasticity; Dry	333	5	
6						6	
7						7	
8			1	(CH) Grey; Clays with High Plasticity; Wet	323	8	
9						9	
10						10	

P.W. Grosser Consulting

End of Boring Depth (feet): 10

Water Table Symbol: ▼

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PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB005		BORING DEPTH (FT):		CORE LENGTH (FT):	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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				(FILL) Brown; Historic Fill; Dry	81	1	
2			1.5			2	
3				(CH/FILL) Black and Brown; Historic Fill, Clay with High Plasticity intermixed; Dry	1237	3	
4						4	
5			3	(CH) Grey; Clays with High Plasticity; Dry	630	5	
6						6	
7				(CH) Grey; Clays with High Plasticity; Wet	5000	7	
8			2			8	
9				(CH) Brown; Clays with High Plasticity; Wet	247	9	
10						10	

P.W. Grosser Consulting

End of Boring Depth (feet): 10

Water Table Symbol: ▼

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PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB006		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/22/2022		03/22/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				07:40		08:30	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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						1	
2			2		588	2	
3				(FILL) Brown; Historic Fill; Dry		3	
4					5000	4	
5			3			5	
6				(CH) Grey; Clays with High Plasticity; Dry	328	6	
7						7	
8				(CH) Grey; Clays with High Plasticity; Wet	617	8	
9			3			9	
10						10	
P.W. Grosser Consulting		End of Boring Depth (feet): 10			Water Table Symbol: ▼		Page 1 of 1

PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB007		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/22/2022		03/22/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				08:55		09:45	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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						1	
2			2			2	
3				(FILL) Brown; Historic Fill; Dry	5000	3	
4						4	
5			2.5			5	
6				(CH) Grey; Clays with High Plasticity; Dry	1529	6	
7						7	
8				(CH) Grey; Clays with High Plasticity; Wet	3038	8	
9			2			9	
10						10	
P.W. Grosser Consulting		End of Boring Depth (feet): 10			Water Table Symbol: ▼		Page 1 of 1

PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB008		BORING DEPTH (FT):		CORE LENGTH (FT):	
				9		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/23/2022		03/23/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				06:30		07:55	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	

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						1	
2			2			2	
3				(FILL) Brown; Historic Fill; Dry	1	3	
4						4	
5			2			5	
6						6	
7				(CH) Black; Clays with Medium-High Plasticity; Dry	18	7	
8			0	(CH) Black; Clays with Medium-High Plasticity; Wet	112	8	
9						9	

P.W. Grosser Consulting		End of Boring Depth (feet): 9	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB009		BORING DEPTH (FT):		CORE LENGTH (FT):	
				9		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/22/2022		03/22/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				11:30		12:15	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	

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						1	
2			1	(FILL) Brown and Red; Historic Fill with Bricks; Dry	2	2	
3						3	
4						4	
5			3	(CH) Grey; Clays with High Plasticity; Dry	1	5	
6						6	
7						7	
8			2	(CH) Grey; Clays with High Plasticity; Wet	1	8	
9						9	

P.W. Grosser Consulting	End of Boring Depth (feet): 9	Water Table Symbol: ▼	Page 1 of 1

PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB010		BORING DEPTH (FT):		CORE LENGTH (FT):	
				10		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/22/2022		03/22/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				12:50		13:45	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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						1	
2			1.5	(FILL) Brown; Historic Fill; Dry	1	2	
3						3	
4						4	
5			2	(CH) Grey; Clays with High Plasticity; Dry	1	5	
6						6	
7				(CH) Grey; Clays with High Plasticity; Wet	5	7	
8			2.5			8	
9				(SP) Black; Poorly Graded Sands; Wet	82	9	
10						10	

P.W. Grosser Consulting

End of Boring Depth (feet): 10

Water Table Symbol: ▼

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PROJECT #:		LIG2201			
SITE ADDRESS:		252 3rd Ave, New York, NY			
BORING ID:		SB011		BORING DEPTH (FT):	CORE LENGTH (FT):
GRID:		N/A		BORING DIAMETER (IN):	WELL DIAMETER (IN):
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:	DATE FINISHED:
DRILLING METHOD:		Direct Push		TIME STARTED:	TIME FINISHED:
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:	LONGITUDE:
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:	LOGGED BY:
				Derek Ersbak	Michael Pecoraro

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				(FILL) Brown; Historic Fill; Dry	2	1	
2			1.5			2	
3				(CH) Grey; Clays with Medium Plasticity; Dry	3	3	
4						4	
5			3	(ML) Brown; Sandy Silt; Wet. Refusal at 7'	1	5	
6						6	
7						7	

P.W. Grosser Consulting	End of Boring Depth (feet): 7	Water Table Symbol: ▼	Page 1 of 2

PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB012		BORING DEPTH (FT):		CORE LENGTH (FT):	
				7		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/23/2022		03/23/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				11:45		12:20	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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				(FILL) Black and White; Historical Fill and Concrete; Dry	1	0	
1						1	
2			2	(CH) Grey; Clays with Medium Plasticity; Dry	10	2	
3						3	
4						4	
5			3	(SM) Brown; Silty Sand; Dry. Refusal at 7'	15	5	
6						6	
7						7	
P.W. Grosser Consulting				End of Boring Depth (feet): 7		Water Table Symbol: ▼	
						Page 1 of 2	

PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB013		BORING DEPTH (FT):		CORE LENGTH (FT):	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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				(FILL) Brown and Grey; Historic Fill and Concrete; Dry	0.3	1	
2			1.5			2	
3				(CL) Grey; Clays with Medium Plasticity; Dry.	0.1	3	
4						4	
5			3			5	
6				(SM) Brown; Silty Sand (with fill); Wet. Refusal at 7'	0	6	
7						7	

P.W. Grosser Consulting

End of Boring Depth (feet): 7

Water Table Symbol: ▼

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PROJECT #:		LIG2201					
SITE ADDRESS:		252 3rd Ave, New York, NY					
BORING ID:		SB014		BORING DEPTH (FT):		CORE LENGTH (FT):	
				7		3	
GRID:		N/A		BORING DIAMETER (IN):		WELL DIAMETER (IN):	
				2		N/A	
DRILLING CONTRACTOR:		Associated Environmental		DATE STARTED:		DATE FINISHED:	
				03/23/2022		03/23/2022	
DRILLING METHOD:		Direct Push		TIME STARTED:		TIME FINISHED:	
				09:10		09:40	
DRILLING EQUIPMENT:		Handheld Geoprobe		LATITUDE:		LONGITUDE:	
SAMPLING METHOD:		Macrocore		PROJECT MANAGER:		LOGGED BY:	
				Derek Ersbak		Michael Pecoraro	
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				(FILL) Brown; Historic Fill; Dry	0.1	1	
2			2			2	
3				(CL) Brown and Grey; Clays with Medium Plasticity; Dry.	0.1	3	
4						4	
5						5	
6			3	(SM) Brown; Silty Sand (with fill); Wet. Refusal at 7'	0.1	6	
7						7	
P.W. Grosser Consulting				End of Boring Depth (feet): 7		Water Table Symbol: ▼	
						Page 1 of 2	



APPENDIX B

NYSDOH BUILDING INVENTORY FORM

Soil Vapor Intrusion - Structure Sampling Building Questionnaire

Structure ID : _____

Site No. : _____ Site Name : _____

Date: 3/24/2022 Time: 07:30 - 13:00Structure Address : 252-258 3rd Ave, New York, NYPreparer's Name & Affiliation : Michael Pecoraro, Pht. Grosse ConsultingResidential ? ☒ Yes ☐ No Owner Occupied ? ☐ Yes ☒ No Owner Interviewed ? ☐ Yes ☒ NoCommercial ? ☒ Yes ☐ No Industrial ? ☐ Yes ☒ No Mixed Uses ? ☒ Yes ☐ NoIdentify all non-residential use(s) : Nail Salon, Bar, Dry Cleaner, Deli

Owner Name : _____ Owner Phone : () _____ - _____

Secondary Owner Phone : () _____ - _____

Owner Address (if different) : _____

Occupant Name : _____ Occupant Phone : () _____ - _____

Secondary Occupant Phone : () _____ - _____

Number & Age of All Persons Residing at this Location : _____

Additional Owner/Occupant Information : _____

Describe Structure (style, number floors, size) : 4 buildings, 1 1-story, 1 1.75-story, 1-4-story, + 1 2-story, all w/ basement. All 1.75 sf.Approximate Year Built : ~1910 Is the building Insulated? ☐ Yes ☐ NoLowest level : ☐ Slab-on-grade ☒ Basement ☐ CrawlspaceDescribe Lowest Level (finishing, use, time spent in space) : all 4 building have a basement, ~7-8' bgs. concrete slab, west half of salon + dry cleaner have tile flooring over.Floor Type: ☒ Concrete Slab ☐ Dirt ☐ Mixed : _____Floor Condition : ☐ Good (few or no cracks) ☒ Average (some cracks) ☐ Poor (broken concrete or dirt)Sumps/Drains? ☒ Yes ☐ No Describe : NS&S concrete pit in nail salon, pump in dry cleaner.

Identify other floor penetrations & details : _____

Wall Construction : ☒ Concrete Block ☒ Poured Concrete ☐ Laid-Up Stone

Identify any wall penetrations : _____

Identify water, moisture, or seepage: location & severity (sump, cracks, stains, etc) : mold observed on wall in dry cleaner next to clothes dryerHeating Fuel : ☐ Oil ☐ Gas ☐ Wood ☒ Electric ☐ Other : _____Heating System : ☐ Forced Air ☒ Hot Water ☐ Other : hot water observed for salon + barHot Water System : ☐ Combustion ☒ Electric ☐ Boilermate ☐ Other : _____Clothes Dryer : ☒ Electric ☐ Gas Where is dryer vented to? _____

If combustion occurs, describe where air is drawn from (cold air return, basement, external air, etc.) : _____

Fans & Vents (identify where fans/vents pull air from and where they vent/exhaust to) : HVAC observed for deli (alc in basement) + salon (roof HVAC)

Describe factors that may affect indoor air quality (chemical use/storage, unvented heaters, smoking, workshop):

some cleaning + cosmetic chemicals stored in basement in nail salon

Attached garage ? ☐ Yes ☒ No Air fresheners ? ☐ Yes ☒ No

New carpet or furniture ? ☐ Yes ☒ No What/Where ? _____

Recent painting or staining ? ☐ Yes ☒ No Where ? : _____

Any solvent or chemical-like odors ? ☒ Yes ☐ No Describe : in nail salon, commercial
+ storage spaces in basement, in deli - moldy smell in basement

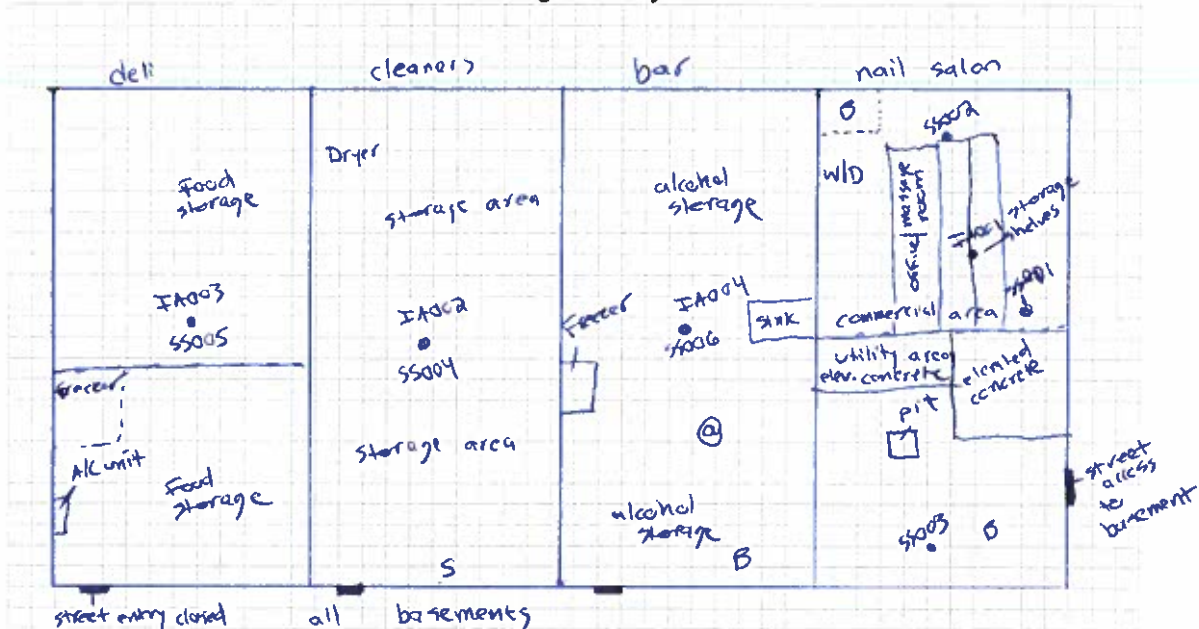
Last time Dry Cleaned fabrics brought in ? regularly What / Where ? - 1 property is a cleaners

Do any building occupants use solvents at work ? ☒ Yes ☐ No Describe : dry cleaners

Any testing for Radon ? ☐ Yes ☒ No Results : _____

Radon System/Soil Vapor Intrusion Mitigation System present ? ☐ Yes ☒ No If yes, describe below _____

Lowest Building Level Layout Sketch



- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketch.
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	#####	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab vapor samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● PFET-1	Location and label of any pressure field test holes.

Page ____ of ____

Date: 3/24/22

Structure ID:

Phone Number: _____

Date of PID Calibration: 3/21/22

Identify any Changes from Original Building Questionnaire :

[illegible]



APPENDIX C

SOIL VAPOR/AIR SAMPLE LOGS

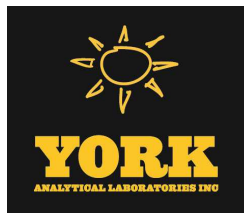
252-258 3rd Avenue, New York, NY
Canister Sample Data Sheet

Sample ID	Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Canister ID	Regulator ID
SS001	3/24/2022	8:55	10:40	-28" Hg	-9" Hg	20947	5609
SS002	3/24/2022	7:52	9:52	-30" Hg	-8" Hg	33884	13556
SS003	3/24/2022	8:02	10:02	-30" Hg	-9" Hg	28838	5606
SS004	3/24/2022	8:17	10:17	-30" Hg	-9" Hg	23796	7094
SS005	3/24/2022	9:35	11:35	-30" Hg	-10" Hg	17350	7-44
SS006	3/24/2022	12:00	14:00	-27" Hg	-4" Hg	24116	6879
IA001	3/24/2022	7:54	9:59	-29" Hg	-8" Hg	24109	6866
IA002	3/24/2022	8:20	10:20	-30" Hg	-8" Hg	28299	7076
IA003	3/24/2022	9:38	11:38	-30" Hg	-9" Hg	37802	5607
IA004	3/24/2022	12:03	14:03	-30" Hg	-10" Hg	10113	5613



APPENDIX D

LABORATORY ANALYTICAL REPORTS



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Ave, Suite 7

Bohemia NY, 11716

Attention: Derek Ersbak

Report Date: 03/30/2022

Client Project ID: LIG2201

York Project (SDG) No.: 22C1166



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: 03/30/2022
Client Project ID: LIG2201
York Project (SDG) No.: 22C1166

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

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 21, 2022 and listed below. The project was identified as your project: **LIG2201**.

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>
22C1166-01	SB001_1-3	Soil	03/21/2022	03/21/2022
22C1166-02	SB001_10	Soil	03/21/2022	03/21/2022
22C1166-03	GW001	Water	03/21/2022	03/21/2022
22C1166-04	SB002_5-7	Soil	03/21/2022	03/21/2022
22C1166-05	SB002_10	Soil	03/21/2022	03/21/2022
22C1166-06	GW002	Water	03/21/2022	03/21/2022
22C1166-07	SB003_3-5	Soil	03/21/2022	03/21/2022
22C1166-08	SB003_10	Soil	03/21/2022	03/21/2022
22C1166-09	SB004_5-7	Soil	03/21/2022	03/21/2022
22C1166-10	SB004_10	Soil	03/21/2022	03/21/2022

General Notes for York Project (SDG) No.: 22C1166

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: 03/30/2022





Sample Information

Client Sample ID: SB001_1-3

York Sample ID: 22C1166-01

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 9:00 am

Date Received

03/21/2022

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	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/30/2022 06:40	03/30/2022 12:45	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/30/2022 06:40	03/30/2022 12:45	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC



Sample Information

Client Sample ID: SB001_1-3

York Sample ID: 22C1166-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 9:00 am

03/21/2022

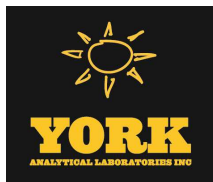
Volatiles, 8260 Comprehensive

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	22	44	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/30/2022 06:40	03/30/2022 12:45	BMC
78-93-3	2-Butanone	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
67-64-1	Acetone	ND		mg/kg dry	2.2	4.4	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
107-02-8	Acrolein	ND		mg/kg dry	2.2	4.4	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
71-43-2	Benzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-25-2	Bromoform	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
74-83-9	Bromomethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-00-3	Chloroethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
67-66-3	Chloroform	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
74-87-3	Chloromethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC



Sample Information

Client Sample ID: SB001_1-3

York Sample ID: 22C1166-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 9:00 am

03/21/2022

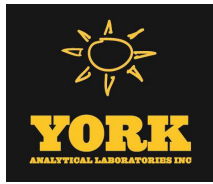
Volatiles, 8260 Comprehensive

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	2.0	J	mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	2.2	4.4	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
95-47-6	o-Xylene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	2.2	4.4	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
100-42-5	Styrene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC



Sample Information

Client Sample ID: SB001_1-3

York Sample ID: 22C1166-01

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 9:00 am

Date Received

03/21/2022

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	16000	CCV-E, VOA-E	mg/kg dry	22	44	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:40	03/24/2022 20:55	BMC
108-88-3	Toluene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
79-01-6	Trichloroethylene	16		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	1.1	2.2	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2022 06:40	03/30/2022 12:45	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	3.3	6.6	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/30/2022 06:40	03/30/2022 12:45	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.3 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.1 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH



Sample Information

Client Sample ID: SB001_1-3

York Sample ID: 22C1166-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 9:00 am

03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH



Sample Information

Client Sample ID: SB001_1-3

York Sample ID: 22C1166-01

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 9:00 am

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH



Sample Information

Client Sample ID: SB001_1-3

York Sample ID: 22C1166-01

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 9:00 am

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0928	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH



Sample Information

Client Sample ID: SB001_1-3

York Sample ID: 22C1166-01

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 9:00 am

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
108-95-2	Phenol	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0465	0.0928	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 19:37	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.0 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	57.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	80.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	60.4 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	65.8 %	24-116								

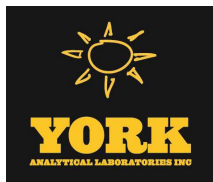
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10700		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-39-3	Barium	79.4		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.338	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-70-2	Calcium	1420		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-47-3	Chromium	18.7		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-48-4	Cobalt	8.64		mg/kg dry	0.451	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-50-8	Copper	29.8		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT



Sample Information

Client Sample ID: SB001_1-3

York Sample ID: 22C1166-01

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 9:00 am

Date Received
03/21/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	15600		mg/kg dry	28.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7439-92-1	Lead	5.01		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7439-95-4	Magnesium	2960		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7439-96-5	Manganese	402		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-02-0	Nickel	18.3	B	mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-09-7	Potassium	2460	B	mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-22-4	Silver	ND		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-23-5	Sodium	89.1		mg/kg dry	56.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-62-2	Vanadium	26.3		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT
7440-66-6	Zinc	65.7		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:35	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0338	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/24/2022 18:01	03/24/2022 19:15	S_G

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	88.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 10:09	03/28/2022 12:53	TJA



Sample Information

Client Sample ID: SB001_10

York Sample ID: 22C1166-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 9:40 am

03/21/2022

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	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:09	03/23/2022 18:37	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:09	03/23/2022 18:37	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
95-63-6	1,2,4-Trimethylbenzene	1.5		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
108-67-8	1,3,5-Trimethylbenzene	0.49		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC



Sample Information

Client Sample ID: SB001_10

York Sample ID: 22C1166-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 9:40 am

03/21/2022

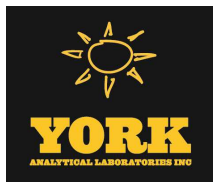
Volatiles, 8260 Comprehensive

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	4.6	9.1	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:09	03/23/2022 18:37	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
67-64-1	Acetone	ND		mg/kg dry	0.46	0.91	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.46	0.91	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
71-43-2	Benzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC



Sample Information

Client Sample ID: SB001_10

York Sample ID: 22C1166-02

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 9:40 am

Date Received
03/21/2022

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	1.0		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
108-87-2	Methyleyclohexane	0.26	J	mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.46	0.91	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
103-65-1	n-Propylbenzene	0.25	J	mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
179601-23-1	p- & m- Xylenes	0.47	J	mg/kg dry	0.46	0.91	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
100-42-5	Styrene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC



Sample Information

Client Sample ID: SB001_10

York Sample ID: 22C1166-02

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 9:40 am

Date Received
03/21/2022

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	2700	VOA-E	mg/kg dry	23	46	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 02:10	BMC
108-88-3	Toluene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
79-01-6	Trichloroethylene	160		mg/kg dry	23	46	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 02:10	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.23	0.46	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:09	03/23/2022 18:37	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.69	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:09	03/23/2022 18:37	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.4 %	77-125								

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	81.2		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 16:10	03/28/2022 16:13	JTG



Sample Information

Client Sample ID: GW001

York Sample ID: 22C1166-03

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 10:15 am

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
95-57-8	2-Chlorophenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
91-57-6	2-Methylnaphthalene	87.2		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
95-48-7	2-Methylphenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
88-74-4	2-Nitroaniline	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
88-75-5	2-Nitrophenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH



Sample Information

Client Sample ID: GW001

York Sample ID: 22C1166-03

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 10:15 am

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
65794-96-9	3- & 4-Methylphenols	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
99-09-2	3-Nitroaniline	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
106-47-8	4-Chloroaniline	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
100-01-6	4-Nitroaniline	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
100-02-7	4-Nitrophenol	ND		ug/L	12.5	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
98-86-2	Acetophenone	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
62-53-3	Aniline	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
100-52-7	Benzaldehyde	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
92-87-5	Benzidine	ND		ug/L	12.5	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
65-85-0	Benzoic acid	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
100-51-6	Benzyl alcohol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
105-60-2	Caprolactam	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
86-74-8	Carbazole	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH



Sample Information

Client Sample ID: GW001

York Sample ID: 22C1166-03

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 10:15 am

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
132-64-9	Dibenzofuran	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
84-66-2	Diethyl phthalate	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
131-11-3	Dimethyl phthalate	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	12.5	25.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
78-59-1	Isophorone	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
108-95-2	Phenol	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
110-86-1	Pyridine	ND		ug/L	6.25	12.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 21:32	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	35.1 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	21.5 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	84.1 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.7 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	51.2 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	63.4 %			30.7-106						

Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	2.55		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
208-96-8	Acenaphthylene	1.30		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
120-12-7	Anthracene	6.65		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
1912-24-9	Atrazine	ND		ug/L	1.25	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/24/2022 16:29	KH



Sample Information

Client Sample ID: GW001

York Sample ID: 22C1166-03

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 10:15 am

Date Received
03/21/2022

Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

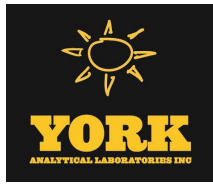
Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
117-81-7	Bis(2-ethylhexyl)phthalate	3.15		ug/L	1.25	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/24/2022 16:29	KH
218-01-9	Chrysene	ND		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
206-44-0	Fluoranthene	0.200		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
86-73-7	Fluorene	4.40		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/24/2022 16:29	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	1.25	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/24/2022 16:29	KH
67-72-1	Hexachloroethane	ND		ug/L	1.25	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/24/2022 16:29	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
91-20-3	Naphthalene	68.0	B	ug/L	1.25	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/28/2022 11:33	KH
98-95-3	Nitrobenzene	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/24/2022 16:29	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	1.25	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/24/2022 16:29	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.625	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/24/2022 16:29	KH
85-01-8	Phenanthrene	6.70		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH
129-00-0	Pyrene	0.350		ug/L	0.125	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 16:29	KH

Metals, RCRA

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GW001

York Sample ID: 22C1166-03

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 21, 2022 10:15 am

Date Received

03/21/2022

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:10	KT
7440-39-3	Barium	4.24		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:10	KT
7440-43-9	Cadmium	0.011		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:10	KT
7440-47-3	Chromium	0.241		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:10	KT
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:10	KT
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	03/23/2022 09:39	03/23/2022 17:10	KT
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:10	KT

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	1.70		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 15:55	RTH
7440-39-3	Barium	254		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 15:55	RTH
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 15:55	RTH
7440-47-3	Chromium	1.87		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 15:55	RTH
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 15:55	RTH
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 15:55	RTH
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 15:55	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

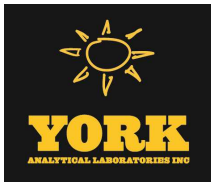
Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.2511		mg/L	0.0200	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2022 18:31	03/21/2022 18:31	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GW001

York Sample ID: 22C1166-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Water

March 21, 2022 10:15 am

03/21/2022

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0008		mg/L	0.0002	1	EPA 7470	03/23/2022 18:26	03/23/2022 18:26	AA
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										



Sample Information

Client Sample ID: SB002_5-7

York Sample ID: 22C1166-04

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

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

Date Received
03/21/2022

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	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:43	03/24/2022 19:31	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:43	03/24/2022 19:31	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
95-63-6	1,2,4-Trimethylbenzene	3.6		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
108-67-8	1,3,5-Trimethylbenzene	2.0		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC



Sample Information

Client Sample ID: SB002_5-7

York Sample ID: 22C1166-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 11:00 am

03/21/2022

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	5.1	10	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:43	03/24/2022 19:31	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
67-64-1	Acetone	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
71-43-2	Benzene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC



Sample Information

Client Sample ID: SB002_5-7

York Sample ID: 22C1166-04

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

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March 21, 2022 11:00 am

Date Received
03/21/2022

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	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
110-82-7	Cyclohexane	0.48	J	mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
100-41-4	Ethyl Benzene	0.77		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
98-82-8	Isopropylbenzene	1.2		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
108-87-2	Methylcyclohexane	2.7		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
104-51-8	n-Butylbenzene	2.4		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
103-65-1	n-Propylbenzene	2.0		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
179601-23-1	p- & m- Xylenes	0.74	J	mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
99-87-6	p-Isopropyltoluene	0.54		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
135-98-8	sec-Butylbenzene	2.1		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
100-42-5	Styrene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC



Sample Information

Client Sample ID: SB002_5-7

York Sample ID: 22C1166-04

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

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

Date Received
03/21/2022

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	0.26	CCV-E, J	mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
108-88-3	Toluene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.26	0.51	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:31	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.77	1.5	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:43	03/24/2022 19:31	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.9 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.2 %	85-120								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH



Sample Information

Client Sample ID: SB002_5-7

York Sample ID: 22C1166-04

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

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March 21, 2022 11:00 am

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
91-57-6	2-Methylnaphthalene	17.8		mg/kg dry	2.54	5.06	100	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/27/2022 16:34	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH



Sample Information

Client Sample ID: SB002_5-7

York Sample ID: 22C1166-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 11:00 am

03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
62-53-3	Aniline	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
120-12-7	Anthracene	0.193		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
92-87-5	Benzidine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH



Sample Information

Client Sample ID: SB002_5-7

York Sample ID: 22C1166-04

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

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

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
86-73-7	Fluorene	0.979		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
91-20-3	Naphthalene	3.24	J	mg/kg dry	2.54	5.06	100	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/27/2022 16:34	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH



Sample Information

Client Sample ID: SB002_5-7

York Sample ID: 22C1166-04

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

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

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	1.79		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
108-95-2	Phenol	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0508	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
110-86-1	Pyridine	ND		mg/kg dry	0.203	0.406	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:12	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	85.1 %									
4165-62-2	Surrogate: SURR: Phenol-d5	76.3 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	110 %	S-08								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	81.7 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	81.0 %									
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.3 %									

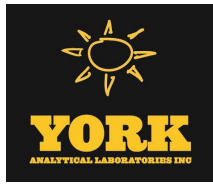
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6890		mg/kg dry	6.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-36-0	Antimony	ND		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-39-3	Barium	53.1		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.373	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-70-2	Calcium	1140		mg/kg dry	6.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-47-3	Chromium	14.0		mg/kg dry	0.621	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-48-4	Cobalt	3.74		mg/kg dry	0.497	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-50-8	Copper	3.31		mg/kg dry	2.49	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7439-89-6	Iron	7260		mg/kg dry	31.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT



Sample Information

Client Sample ID: SB002_5-7

York Sample ID: 22C1166-04

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 11:00 am

Date Received

03/21/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	6.80		mg/kg dry	0.621	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7439-95-4	Magnesium	1010		mg/kg dry	6.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7439-96-5	Manganese	86.9		mg/kg dry	0.621	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-02-0	Nickel	7.28	B	mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-09-7	Potassium	331	B	mg/kg dry	6.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7782-49-2	Selenium	ND		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-22-4	Silver	ND		mg/kg dry	0.621	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-23-5	Sodium	92.9		mg/kg dry	62.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-28-0	Thallium	ND		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-62-2	Vanadium	23.0		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT
7440-66-6	Zinc	18.5		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:37	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0373	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/24/2022 18:01	03/24/2022 19:24	S_G

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	80.5		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 10:09	03/28/2022 12:53	TJA



Sample Information

Client Sample ID: SB002_10

York Sample ID: 22C1166-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 11:45 am

03/21/2022

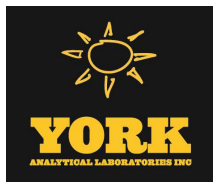
Volatiles, 8260 Comprehensive

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	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:43	03/24/2022 19:03	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:43	03/24/2022 19:03	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC



Sample Information

Client Sample ID: SB002_10

York Sample ID: 22C1166-05

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 11:45 am

Date Received
03/21/2022

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	10	20	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:43	03/24/2022 19:03	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
67-64-1	Acetone	ND		mg/kg dry	1.0	2.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
107-02-8	Acrolein	ND		mg/kg dry	1.0	2.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
71-43-2	Benzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC



Sample Information

Client Sample ID: SB002_10

York Sample ID: 22C1166-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 11:45 am

03/21/2022

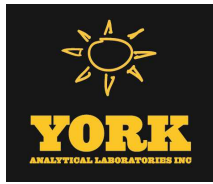
Volatiles, 8260 Comprehensive

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	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
110-82-7	Cyclohexane	0.72	J	mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
98-82-8	Isopropylbenzene	1.4		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
108-87-2	Methylcyclohexane	3.9		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	1.0	2.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
104-51-8	n-Butylbenzene	2.5		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
103-65-1	n-Propylbenzene	2.0		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	1.0	2.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
135-98-8	sec-Butylbenzene	2.9		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
100-42-5	Styrene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC



Sample Information

Client Sample ID: SB002_10

York Sample ID: 22C1166-05

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 11:45 am

Date Received

03/21/2022

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	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
108-88-3	Toluene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.51	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:43	03/24/2022 19:03	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	1.5	3.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:43	03/24/2022 19:03	BMC
Surrogate Recoveries		Result	Acceptance Range								
2037-26-5	Surrogate: SURR: Toluene-d8	97.3 %	85-120								

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	03/28/2022 16:10	03/28/2022 16:13	JTG



Sample Information

Client Sample ID: GW002

York Sample ID: 22C1166-06

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 12:15 pm

Date Received
03/21/2022

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	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
79-34-5	1,1,2,2-Tetrachloroethane	2.25	J	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
79-00-5	1,1,2-Trichloroethane	5.90	QL-02	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
87-61-6	1,2,3-Trichlorobenzene	1.35	QL-02, J	ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
95-63-6	1,2,4-Trimethylbenzene	22.6		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
96-12-8	1,2-Dibromo-3-chloropropane	8.25	CCV-E	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
108-67-8	1,3,5-Trimethylbenzene	10.4		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG



Sample Information

Client Sample ID: GW002

York Sample ID: 22C1166-06

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 12:15 pm

Date Received
03/21/2022

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	12.4	Cal-E	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
591-78-6	2-Hexanone	16.2	Cal-E	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
67-64-1	Acetone	9.90	J	ug/L	5.00	10.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
107-02-8	Acrolein	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
107-13-1	Acrylonitrile	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
71-43-2	Benzene	3.25	QL-02	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
74-97-5	Bromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-27-4	Bromodichloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-25-2	Bromoform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
74-83-9	Bromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-15-0	Carbon disulfide	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
108-90-7	Chlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-00-3	Chloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
67-66-3	Chloroform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
74-87-3	Chloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
156-59-2	cis-1,2-Dichloroethylene	63.8		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
110-82-7	Cyclohexane	5.45		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
124-48-1	Dibromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
74-95-3	Dibromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG



Sample Information

Client Sample ID: GW002

York Sample ID: 22C1166-06

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 12:15 pm

Date Received
03/21/2022

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	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
100-41-4	Ethyl Benzene	9.90		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
98-82-8	Isopropylbenzene	17.6		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
79-20-9	Methyl acetate	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
108-87-2	Methylcyclohexane	17.6		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-09-2	Methylene chloride	ND		ug/L	5.00	10.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
91-20-3	Naphthalene	423	CCV-E	ug/L	5.00	10.0	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
104-51-8	n-Butylbenzene	14.8		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
103-65-1	n-Propylbenzene	25.8		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
95-47-6	o-Xylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
179601-23-1	p- & m- Xylenes	8.70		ug/L	2.50	5.00	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
105-05-5	* p-Diethylbenzene	19.0		ug/L	1.00	2.50	5	EPA 8260C Certifications:	03/25/2022 06:26	03/25/2022 21:49	JTG
622-96-8	* p-Ethyltoluene	5.50		ug/L	1.00	2.50	5	EPA 8260C Certifications:	03/25/2022 06:26	03/25/2022 21:49	JTG
99-87-6	p-Isopropyltoluene	1.85	J	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
135-98-8	sec-Butylbenzene	15.2		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
100-42-5	Styrene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.50	5.00	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
98-06-6	tert-Butylbenzene	1.60	QL-02, J	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
127-18-4	Tetrachloroethylene	1020		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:38	03/24/2022 04:24	JTG
108-88-3	Toluene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG



Sample Information

Client Sample ID: GW002

York Sample ID: 22C1166-06

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 12:15 pm

Date Received
03/21/2022

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	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
79-01-6	Trichloroethylene	232	QL-02	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
75-01-4	Vinyl Chloride	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 21:49	JTG
1330-20-7	Xylenes, Total	8.70		ug/L	3.00	7.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:26	03/25/2022 21:49	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	99.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.3 %	79-122								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
58-90-2	2,3,4,6-Tetrachlorophenol	345		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH



Sample Information

Client Sample ID: GW002

York Sample ID: 22C1166-06

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 12:15 pm

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
95-57-8	2-Chlorophenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
91-57-6	2-Methylnaphthalene	6500		ug/L	1520	3030	100	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/28/2022 11:18	KH
95-48-7	2-Methylphenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
88-74-4	2-Nitroaniline	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
88-75-5	2-Nitrophenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
99-09-2	3-Nitroaniline	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
106-47-8	4-Chloroaniline	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
100-01-6	4-Nitroaniline	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
100-02-7	4-Nitrophenol	ND		ug/L	303	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
98-86-2	Acetophenone	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH



Sample Information

Client Sample ID: GW002

York Sample ID: 22C1166-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Water

March 21, 2022 12:15 pm

03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
100-52-7	Benzaldehyde	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
92-87-5	Benzidine	ND		ug/L	303	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
65-85-0	Benzoic acid	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
100-51-6	Benzyl alcohol	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	60.6	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
105-60-2	Caprolactam	ND		ug/L	152	303	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
86-74-8	Carbazole	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
132-64-9	Dibenzofuran	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
84-66-2	Diethyl phthalate	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
131-11-3	Dimethyl phthalate	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	303	606	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
78-59-1	Isophorone	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
108-95-2	Phenol	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH
110-86-1	Pyridine	ND		ug/L	152	303	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/24/2022 22:02	KH



Sample Information

Client Sample ID: GW002

York Sample ID: 22C1166-06

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 12:15 pm

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	23.0 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	3.00 %	S-08		10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	806 %	S-08		50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	45.0 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.0 %			30.7-106						

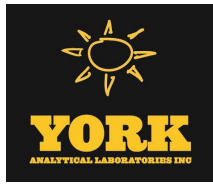
Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
208-96-8	Acenaphthylene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
120-12-7	Anthracene	ND		ug/L	30.3	100	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/28/2022 12:06	KH
1912-24-9	Atrazine	ND		ug/L	3.03	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/29/2022 15:38	KH
56-55-3	Benzo(a)anthracene	0.727		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
50-32-8	Benzo(a)pyrene	8.55		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	3.03	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/29/2022 15:38	KH
218-01-9	Chrysene	2.00		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
206-44-0	Fluoranthene	29.8		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
86-73-7	Fluorene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.121	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/29/2022 15:38	KH



Sample Information

Client Sample ID: GW002

York Sample ID: 22C1166-06

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 21, 2022 12:15 pm

Date Received

03/21/2022

Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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/L	3.03	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/29/2022 15:38	KH
67-72-1	Hexachloroethane	ND		ug/L	3.03	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/29/2022 15:38	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH
91-20-3	Naphthalene	1670	B	ug/L	30.3	100	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/28/2022 12:06	KH
98-95-3	Nitrobenzene	ND		ug/L	1.52	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/29/2022 15:38	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	3.03	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/29/2022 15:38	KH
87-86-5	Pentachlorophenol	ND		ug/L	1.52	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2022 07:12	03/29/2022 15:38	KH
85-01-8	Phenanthrene	1140		ug/L	30.3	100	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/28/2022 12:06	KH
129-00-0	Pyrene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 07:12	03/29/2022 15:38	KH

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:13	KT
7440-39-3	Barium	4.92		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:13	KT
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:13	KT
7440-47-3	Chromium	0.282		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:13	KT
7439-92-1	Lead	0.334		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:13	KT
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	03/23/2022 09:39	03/23/2022 17:13	KT
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:39	03/23/2022 17:13	KT

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

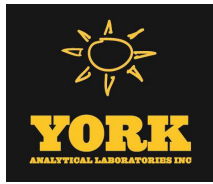
RICHMOND HILL, NY 11418

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(203) 325-1371

FAX (203) 357-0166

ClientServices@



Sample Information

Client Sample ID: GW002

York Sample ID: 22C1166-06

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 21, 2022 12:15 pm

Date Received

03/21/2022

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	3.28		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:04	RTH
7440-39-3	Barium	559		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:04	RTH
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:04	RTH
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:04	RTH
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:04	RTH
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:04	RTH
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:04	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0005		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/21/2022 18:31	03/21/2022 18:31	AA

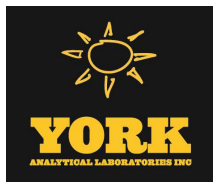
Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 18:26	03/23/2022 18:26	AA



Sample Information

Client Sample ID: SB003_3-5

York Sample ID: 22C1166-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 1:30 pm

03/21/2022

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	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 19:54	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 19:54	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC



Sample Information

Client Sample ID: SB003_3-5

York Sample ID: 22C1166-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 1:30 pm

03/21/2022

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	4.7	9.3	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 19:54	BMC
78-93-3	2-Butanone	0.27	J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
67-64-1	Acetone	ND		mg/kg dry	0.47	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.47	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
71-43-2	Benzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC



Sample Information

Client Sample ID: SB003_3-5

York Sample ID: 22C1166-07

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 1:30 pm

Date Received
03/21/2022

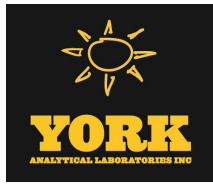
Volatiles, 8260 Comprehensive

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	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.47	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
104-51-8	n-Butylbenzene	0.30	J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
103-65-1	n-Propylbenzene	0.28	J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.47	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
135-98-8	sec-Butylbenzene	0.36	J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
100-42-5	Styrene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC



Sample Information

Client Sample ID: SB003_3-5

York Sample ID: 22C1166-07

York Project (SDG) No.

22C1166

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Soil

Collection Date/Time

March 21, 2022 1:30 pm

Date Received

03/21/2022

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	2.4		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
108-88-3	Toluene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 19:54	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.70	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 19:54	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.3 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.6 %	85-120								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH



Sample Information

Client Sample ID: SB003_3-5

York Sample ID: 22C1166-07

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

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Soil

Collection Date/Time
March 21, 2022 1:30 pm

Date Received
03/21/2022

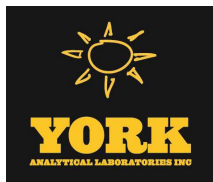
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
91-57-6	2-Methylnaphthalene	7.97		mg/kg dry	1.29	2.58	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/27/2022 17:05	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH



Sample Information

Client Sample ID: SB003_3-5

York Sample ID: 22C1166-07

York Project (SDG) No.

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22C1166

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Soil

March 21, 2022 1:30 pm

03/21/2022

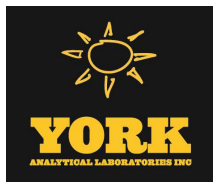
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
83-32-9	Acenaphthene	0.353		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
208-96-8	Acenaphthylene	0.128		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
62-53-3	Aniline	ND		mg/kg dry	0.206	0.412	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
120-12-7	Anthracene	0.128		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
92-87-5	Benzidine	ND		mg/kg dry	0.206	0.412	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.206	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH



Sample Information

Client Sample ID: SB003_3-5

York Sample ID: 22C1166-07

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 1:30 pm

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	0.0708	J	mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
86-73-7	Fluorene	0.655		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
91-20-3	Naphthalene	1.87		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH



Sample Information

Client Sample ID: SB003_3-5

York Sample ID: 22C1166-07

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 1:30 pm

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	1.24		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
108-95-2	Phenol	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0516	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
110-86-1	Pyridine	ND		mg/kg dry	0.206	0.412	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 20:47	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	78.8 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	69.6 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	94.3 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	82.6 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	79.8 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.1 %		24-116							

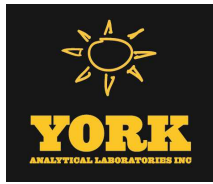
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15200		mg/kg dry	6.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-36-0	Antimony	ND		mg/kg dry	3.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-39-3	Barium	137		mg/kg dry	3.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.063	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.380	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-70-2	Calcium	3340		mg/kg dry	6.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-47-3	Chromium	28.0		mg/kg dry	0.634	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-48-4	Cobalt	11.1		mg/kg dry	0.507	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-50-8	Copper	30.1		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7439-89-6	Iron	19800		mg/kg dry	31.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT



Sample Information

Client Sample ID: SB003_3-5

York Sample ID: 22C1166-07

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 1:30 pm

Date Received

03/21/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	27.9		mg/kg dry	0.634	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7439-95-4	Magnesium	4250		mg/kg dry	6.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7439-96-5	Manganese	632		mg/kg dry	0.634	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-02-0	Nickel	21.1	B	mg/kg dry	1.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-09-7	Potassium	3500	B	mg/kg dry	6.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7782-49-2	Selenium	ND		mg/kg dry	3.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-22-4	Silver	ND		mg/kg dry	0.634	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-23-5	Sodium	259		mg/kg dry	63.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-28-0	Thallium	ND		mg/kg dry	3.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-62-2	Vanadium	34.3		mg/kg dry	1.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT
7440-66-6	Zinc	63.9		mg/kg dry	3.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:40	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0486		mg/kg dry	0.0380	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/24/2022 18:01	03/24/2022 19:33	S_G

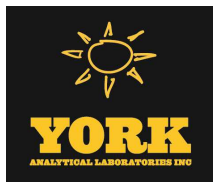
Total Solids

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	78.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 10:09	03/28/2022 12:53	TJA



Sample Information

Client Sample ID: SB003_10

York Sample ID: 22C1166-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 1:40 pm

03/21/2022

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	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 20:20	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 20:20	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC



Sample Information

Client Sample ID: SB003_10

York Sample ID: 22C1166-08

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 1:40 pm

Date Received
03/21/2022

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	4.9	9.7	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 20:20	BMC
78-93-3	2-Butanone	0.26	J	mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
67-64-1	Acetone	ND		mg/kg dry	0.49	0.97	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.49	0.97	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
71-43-2	Benzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC



Sample Information

Client Sample ID: SB003_10

York Sample ID: 22C1166-08

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 1:40 pm

Date Received
03/21/2022

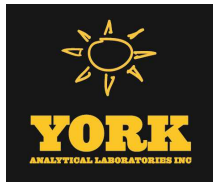
Volatiles, 8260 Comprehensive

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	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
110-82-7	Cyclohexane	0.29	J	mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
98-82-8	Isopropylbenzene	0.87		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
108-87-2	Methylcyclohexane	1.7		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.49	0.97	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
104-51-8	n-Butylbenzene	1.4		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
103-65-1	n-Propylbenzene	1.7		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.49	0.97	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
135-98-8	sec-Butylbenzene	1.4		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
100-42-5	Styrene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC



Sample Information

Client Sample ID: SB003_10

York Sample ID: 22C1166-08

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 1:40 pm

Date Received

03/21/2022

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	0.50		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
108-88-3	Toluene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.24	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:20	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.73	1.5	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 20:20	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.1 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.3 %	85-120								

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	03/28/2022 16:10	03/28/2022 16:13	JTG



Sample Information

Client Sample ID: SB004_5-7

York Sample ID: 22C1166-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 2:20 pm

03/21/2022

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	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 20:46	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 20:46	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
95-63-6	1,2,4-Trimethylbenzene	3.6		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
108-67-8	1,3,5-Trimethylbenzene	0.73		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC



Sample Information

Client Sample ID: SB004_5-7

York Sample ID: 22C1166-09

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 2:20 pm

Date Received
03/21/2022

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	4.0	8.0	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 20:46	BMC
78-93-3	2-Butanone	0.24	J	mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
67-64-1	Acetone	ND		mg/kg dry	0.40	0.80	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.40	0.80	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
71-43-2	Benzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC



Sample Information

Client Sample ID: SB004_5-7

York Sample ID: 22C1166-09

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 2:20 pm

Date Received
03/21/2022

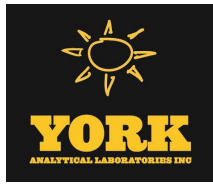
Volatiles, 8260 Comprehensive

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	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
100-41-4	Ethyl Benzene	0.56		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
98-82-8	Isopropylbenzene	0.57		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
108-87-2	Methylcyclohexane	0.92		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.40	0.80	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
104-51-8	n-Butylbenzene	1.2		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
103-65-1	n-Propylbenzene	1.1		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.40	0.80	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
99-87-6	p-Isopropyltoluene	0.60		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
135-98-8	sec-Butylbenzene	1.2		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
100-42-5	Styrene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC



Sample Information

Client Sample ID: SB004_5-7

York Sample ID: 22C1166-09

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 2:20 pm

Date Received

03/21/2022

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	0.36	J	mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
108-88-3	Toluene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.20	0.40	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 20:46	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.60	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 20:46	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.5 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	95.6 %	85-120								

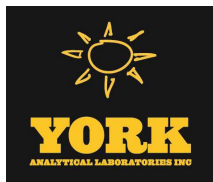
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH



Sample Information

Client Sample ID: SB004_5-7

York Sample ID: 22C1166-09

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 2:20 pm

Date Received

03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
91-57-6	2-Methylnaphthalene	6.03		mg/kg dry	0.234	0.466	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/27/2022 17:36	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH



Sample Information

Client Sample ID: SB004_5-7

York Sample ID: 22C1166-09

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 2:20 pm

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
83-32-9	Acenaphthene	0.550		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
208-96-8	Acenaphthylene	0.218		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.373	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
120-12-7	Anthracene	0.260		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.373	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH



Sample Information

Client Sample ID: SB004_5-7

York Sample ID: 22C1166-09

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 2:20 pm

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
206-44-0	Fluoranthene	0.0641	J	mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
86-73-7	Fluorene	0.791		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
91-20-3	Naphthalene	1.16		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH



Sample Information

Client Sample ID: SB004_5-7

York Sample ID: 22C1166-09

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 2:20 pm

Date Received
03/21/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	2.22		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
108-95-2	Phenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
129-00-0	Pyrene	0.161		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.373	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:53	03/25/2022 21:21	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	76.2 %									
4165-62-2	Surrogate: SURR: Phenol-d5	70.4 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	93.7 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	78.9 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	76.8 %									
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.4 %									

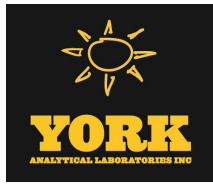
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10100		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-36-0	Antimony	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-39-3	Barium	107		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-43-9	Cadmium	0.494		mg/kg dry	0.338	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-70-2	Calcium	24700		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-47-3	Chromium	23.1		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-48-4	Cobalt	9.20		mg/kg dry	0.450	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-50-8	Copper	73.9		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7439-89-6	Iron	16500		mg/kg dry	28.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT



Sample Information

Client Sample ID: SB004_5-7

York Sample ID: 22C1166-09

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 2:20 pm

Date Received

03/21/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	107		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7439-95-4	Magnesium	4230		mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7439-96-5	Manganese	315		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-02-0	Nickel	19.3	B	mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-09-7	Potassium	3190	B	mg/kg dry	5.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-23-5	Sodium	221		mg/kg dry	56.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-62-2	Vanadium	28.8		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT
7440-66-6	Zinc	146		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 14:34	03/28/2022 12:42	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.55		mg/kg dry	0.0338	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/24/2022 18:01	03/24/2022 19:42	S_G

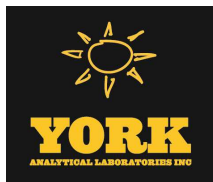
Total Solids

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	88.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 10:09	03/28/2022 12:53	TJA



Sample Information

Client Sample ID: SB004_10

York Sample ID: 22C1166-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 2:35 pm

03/21/2022

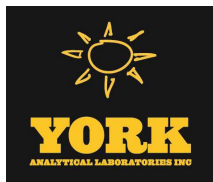
Volatiles, 8260 Comprehensive

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	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 21:12	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 21:12	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
95-63-6	1,2,4-Trimethylbenzene	6.0		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
108-67-8	1,3,5-Trimethylbenzene	0.89		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC



Sample Information

Client Sample ID: SB004_10

York Sample ID: 22C1166-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1166

LIG2201

Soil

March 21, 2022 2:35 pm

03/21/2022

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	5.2	10	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 21:12	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
67-64-1	Acetone	ND		mg/kg dry	0.52	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.52	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
71-43-2	Benzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC



Sample Information

Client Sample ID: SB004_10

York Sample ID: 22C1166-10

York Project (SDG) No.
22C1166

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 21, 2022 2:35 pm

Date Received
03/21/2022

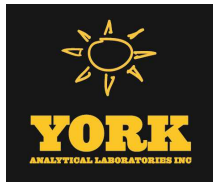
Volatiles, 8260 Comprehensive

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	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
100-41-4	Ethyl Benzene	1.0		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
98-82-8	Isopropylbenzene	0.99		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
108-87-2	Methylcyclohexane	1.7		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.52	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
104-51-8	n-Butylbenzene	1.9		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
103-65-1	n-Propylbenzene	1.9		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
179601-23-1	p- & m- Xylenes	0.67	J	mg/kg dry	0.52	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
99-87-6	p-Isopropyltoluene	0.91		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
135-98-8	sec-Butylbenzene	2.0		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
100-42-5	Styrene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC



Sample Information

Client Sample ID: SB004_10

York Sample ID: 22C1166-10

York Project (SDG) No.

22C1166

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 21, 2022 2:35 pm

Date Received

03/21/2022

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	0.58		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
108-88-3	Toluene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:12	03/23/2022 21:12	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.77	1.5	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:12	03/23/2022 21:12	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.3 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.8 %	85-120								

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	85.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 16:10	03/28/2022 16:13	JTG



Analytical Batch Summary

Batch ID: BC22587 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-06RE1	GW002	03/23/22
BC22587-BLK1	Blank	03/23/22
BC22587-BS1	LCS	03/23/22
BC22587-BSD1	LCS Dup	03/23/22

Batch ID: BC22633 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-03	GW001	03/21/22
22C1166-06	GW002	03/21/22
BC22633-BLK1	Blank	03/21/22
BC22633-BS1	LCS	03/21/22
BC22633-BS2	LCS	03/21/22

Batch ID: BC22722 **Preparation Method:** EPA 3510C **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-03	GW001	03/23/22
22C1166-03RE1	GW001	03/23/22
22C1166-06	GW002	03/23/22
22C1166-06RE1	GW002	03/23/22
BC22722-BLK1	Blank	03/23/22
BC22722-BLK2	Blank	03/23/22
BC22722-BS1	LCS	03/23/22
BC22722-BS2	LCS	03/23/22
BC22722-BSD1	LCS Dup	03/23/22

Batch ID: BC22743 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-03	GW001	03/23/22
22C1166-06	GW002	03/23/22
BC22743-BLK1	Blank	03/23/22
BC22743-BS1	LCS	03/23/22
BC22743-DUP1	Duplicate	03/23/22
BC22743-MS1	Matrix Spike	03/23/22
BC22743-PS1	Post Spike	03/23/22

Batch ID: BC22747 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-03	GW001	03/23/22
22C1166-06	GW002	03/23/22



BC22747-BLK1	Blank	03/23/22
BC22747-BS1	LCS	03/23/22
BC22747-DUP1	Duplicate	03/23/22
BC22747-MS1	Matrix Spike	03/23/22

Batch ID: BC22769 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-02	SB001_10	03/23/22
22C1166-07	SB003_3-5	03/23/22
22C1166-08	SB003_10	03/23/22
22C1166-09	SB004_5-7	03/23/22
22C1166-10	SB004_10	03/23/22
BC22769-BLK1	Blank	03/23/22
BC22769-BLK2	Blank	03/23/22
BC22769-BS1	LCS	03/23/22
BC22769-BSD1	LCS Dup	03/23/22

Batch ID: BC22805 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-03	GW001	03/23/22
22C1166-06	GW002	03/23/22
BC22805-BLK1	Blank	03/23/22
BC22805-BS1	LCS	03/23/22
BC22805-BS2	LCS	03/23/22

Batch ID: BC22842 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-01RE1	SB001_1-3	03/24/22
22C1166-04	SB002_5-7	03/24/22
22C1166-05	SB002_10	03/24/22
BC22842-BLK1	Blank	03/24/22
BC22842-BLK2	Blank	03/24/22
BC22842-BLK3	Blank	03/24/22
BC22842-BS1	LCS	03/24/22
BC22842-BSD1	LCS Dup	03/24/22

Batch ID: BC22851 **Preparation Method:** EPA 3550C **Prepared By:** FG

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-01	SB001_1-3	03/24/22
22C1166-04	SB002_5-7	03/24/22
22C1166-04RE1	SB002_5-7	03/24/22
22C1166-07	SB003_3-5	03/24/22
22C1166-07RE1	SB003_3-5	03/24/22
22C1166-09	SB004_5-7	03/24/22
22C1166-09RE1	SB004_5-7	03/24/22



BC22851-BLK1	Blank	03/24/22
BC22851-BS1	LCS	03/24/22
BC22851-MS1	Matrix Spike	03/24/22
BC22851-MSD1	Matrix Spike Dup	03/24/22

Batch ID: BC22860 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-01	SB001_1-3	03/24/22
22C1166-04	SB002_5-7	03/24/22
22C1166-07	SB003_3-5	03/24/22
22C1166-09	SB004_5-7	03/24/22
BC22860-BLK1	Blank	03/24/22
BC22860-DUP1	Duplicate	03/24/22
BC22860-MS1	Matrix Spike	03/24/22
BC22860-SRM1	Reference	03/24/22

Batch ID: BC22887 **Preparation Method:** EPA 7473 soil **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-01	SB001_1-3	03/24/22
22C1166-04	SB002_5-7	03/24/22
22C1166-07	SB003_3-5	03/24/22
22C1166-09	SB004_5-7	03/24/22
BC22887-BLK1	Blank	03/24/22
BC22887-DUP1	Duplicate	03/24/22
BC22887-MS1	Matrix Spike	03/24/22
BC22887-SRM1	Reference	03/24/22

Batch ID: BC22933 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-06	GW002	03/25/22
BC22933-BLK1	Blank	03/25/22
BC22933-BS1	LCS	03/25/22
BC22933-BSD1	LCS Dup	03/25/22

Batch ID: BC22944 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-02RE1	SB001_10	03/25/22
BC22944-BLK1	Blank	03/25/22
BC22944-BLK2	Blank	03/25/22
BC22944-BS1	LCS	03/25/22
BC22944-BSD1	LCS Dup	03/25/22

Batch ID: BC23010 **Preparation Method:** % Solids Prep **Prepared By:** TJA



YORK Sample ID	Client Sample ID	Preparation Date
22C1166-01	SB001_1-3	03/28/22
22C1166-04	SB002_5-7	03/28/22
22C1166-07	SB003_3-5	03/28/22
22C1166-09	SB004_5-7	03/28/22
BC23010-DUP1	Duplicate	03/28/22

Batch ID: BC23064 **Preparation Method:** % Solids Prep **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-02	SB001_10	03/28/22
22C1166-05	SB002_10	03/28/22
22C1166-08	SB003_10	03/28/22
22C1166-10	SB004_10	03/28/22
BC23064-DUP1	Duplicate	03/28/22

Batch ID: BC23192 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1166-01	SB001_1-3	03/30/22
BC23192-BLK1	Blank	03/30/22
BC23192-BLK2	Blank	03/30/22
BC23192-BS1	LCS	03/30/22
BC23192-BSD1	LCS Dup	03/30/22



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 BC22587 - EPA 5030B

Blank (BC22587-BLK1)

Prepared & Analyzed: 03/23/2022

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 BC22587 - EPA 5030B											
Blank (BC22587-BLK1)										Prepared & Analyzed: 03/23/2022	
Methylene chloride	1.35	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	11.4		"	10.0		114	69-130				
Surrogate: SURR: Toluene-d8	10.4		"	10.0		104	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.6		"	10.0		106	79-122				
LCS (BC22587-BS1)										Prepared & Analyzed: 03/23/2022	
1,1,1,2-Tetrachloroethane	9.51		ug/L	10.0		95.1	82-126				
1,1,1-Trichloroethane	9.25		"	10.0		92.5	78-136				
1,1,2,2-Tetrachloroethane	9.05		"	10.0		90.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.30		"	10.0		93.0	54-165				
1,1,2-Trichloroethane	8.63		"	10.0		86.3	82-123				
1,1-Dichloroethane	9.67		"	10.0		96.7	82-129				
1,1-Dichloroethylene	10.4		"	10.0		104	68-138				
1,2,3-Trichlorobenzene	7.87		"	10.0		78.7	76-136				
1,2,3-Trichloropropane	8.68		"	10.0		86.8	77-128				
1,2,4-Trichlorobenzene	8.04		"	10.0		80.4	76-137				
1,2,4-Trimethylbenzene	9.35		"	10.0		93.5	82-132				
1,2-Dibromo-3-chloropropane	7.63		"	10.0		76.3	45-147				
1,2-Dibromoethane	8.74		"	10.0		87.4	83-124				
1,2-Dichlorobenzene	9.18		"	10.0		91.8	79-123				
1,2-Dichloroethane	10.4		"	10.0		104	73-132				
1,2-Dichloropropane	11.0		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	9.45		"	10.0		94.5	80-131				
1,3-Dichlorobenzene	8.58		"	10.0		85.8	86-122	Low Bias			
1,3-Dichloropropane	9.56		"	10.0		95.6	81-125				
1,4-Dichlorobenzene	8.77		"	10.0		87.7	85-124				
1,4-Dioxane	197		"	210		93.8	10-349				
2-Butanone	8.70		"	10.0		87.0	49-152				
2-Hexanone	10.9		"	10.0		109	51-146				
4-Methyl-2-pentanone	10.7		"	10.0		107	57-145				
Acetone	9.44		"	10.0		94.4	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 BC22587 - EPA 5030B

LCS (BC22587-BS1)

Prepared & Analyzed: 03/23/2022

Acrolein	4.96		ug/L	10.0		49.6	10-153				
Acrylonitrile	8.43		"	10.0		84.3	51-150				
Benzene	8.81		"	10.0		88.1	85-126				
Bromochloromethane	10.3		"	10.0		103	77-128				
Bromodichloromethane	9.90		"	10.0		99.0	79-128				
Bromoform	9.10		"	10.0		91.0	78-133				
Bromomethane	10.2		"	10.0		102	43-168				
Carbon disulfide	8.52		"	10.0		85.2	68-146				
Carbon tetrachloride	9.66		"	10.0		96.6	77-141				
Chlorobenzene	9.70		"	10.0		97.0	88-120				
Chloroethane	10.8		"	10.0		108	65-136				
Chloroform	9.29		"	10.0		92.9	82-128				
Chloromethane	13.1		"	10.0		131	43-155				
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	83-129				
cis-1,3-Dichloropropylene	9.68		"	10.0		96.8	80-131				
Cyclohexane	7.46		"	10.0		74.6	63-149				
Dibromochloromethane	8.71		"	10.0		87.1	80-130				
Dibromomethane	9.28		"	10.0		92.8	72-134				
Dichlorodifluoromethane	14.7		"	10.0		147	44-144	High Bias			
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	11.1		"	10.0		111	67-146				
Isopropylbenzene	9.56		"	10.0		95.6	76-140				
Methyl acetate	9.48		"	10.0		94.8	51-139				
Methyl tert-butyl ether (MTBE)	8.60		"	10.0		86.0	76-135				
Methylcyclohexane	9.97		"	10.0		99.7	72-143				
Methylene chloride	10.5		"	10.0		105	55-137				
Naphthalene	7.20		"	10.0		72.0	70-147				
n-Butylbenzene	11.0		"	10.0		110	79-132				
n-Propylbenzene	10.1		"	10.0		101	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	18.4		"	20.0		91.9	77-133				
p-Diethylbenzene	9.82		"	10.0		98.2	84-134				
p-Ethyltoluene	10.5		"	10.0		105	88-129				
p-Isopropyltoluene	9.59		"	10.0		95.9	81-136				
sec-Butylbenzene	9.65		"	10.0		96.5	79-137				
Styrene	9.58		"	10.0		95.8	67-132				
tert-Butyl alcohol (TBA)	39.2		"	50.0		78.4	25-162				
tert-Butylbenzene	7.52		"	10.0		75.2	77-138	Low Bias			
Tetrachloroethylene	8.89		"	10.0		88.9	82-131				
Toluene	9.84		"	10.0		98.4	80-127				
trans-1,2-Dichloroethylene	9.82		"	10.0		98.2	80-132				
trans-1,3-Dichloropropylene	9.79		"	10.0		97.9	78-131				
Trichloroethylene	9.33		"	10.0		93.3	82-128				
Trichlorofluoromethane	11.1		"	10.0		111	67-139				
Vinyl Chloride	14.4		"	10.0		144	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	11.4		"	10.0		114	69-130				
Surrogate: SURR: Toluene-d8	10.4		"	10.0		104	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.88		"	10.0		98.8	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 BC22587 - EPA 5030B											
LCS Dup (BC22587-BSD1)						Prepared & Analyzed: 03/23/2022					
1,1,1,2-Tetrachloroethane	9.19		ug/L	10.0		91.9	82-126		3.42	30	
1,1,1-Trichloroethane	8.86		"	10.0		88.6	78-136		4.31	30	
1,1,2,2-Tetrachloroethane	9.12		"	10.0		91.2	76-129		0.770	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.80		"	10.0		88.0	54-165		5.52	30	
1,1,2-Trichloroethane	8.75		"	10.0		87.5	82-123		1.38	30	
1,1-Dichloroethane	9.29		"	10.0		92.9	82-129		4.01	30	
1,1-Dichloroethylene	9.81		"	10.0		98.1	68-138		6.13	30	
1,2,3-Trichlorobenzene	7.89		"	10.0		78.9	76-136		0.254	30	
1,2,3-Trichloropropane	8.84		"	10.0		88.4	77-128		1.83	30	
1,2,4-Trichlorobenzene	7.96		"	10.0		79.6	76-137		1.00	30	
1,2,4-Trimethylbenzene	8.85		"	10.0		88.5	82-132		5.49	30	
1,2-Dibromo-3-chloropropane	7.95		"	10.0		79.5	45-147		4.11	30	
1,2-Dibromoethane	8.87		"	10.0		88.7	83-124		1.48	30	
1,2-Dichlorobenzene	8.97		"	10.0		89.7	79-123		2.31	30	
1,2-Dichloroethane	10.2		"	10.0		102	73-132		2.72	30	
1,2-Dichloropropane	10.6		"	10.0		106	78-126		4.08	30	
1,3,5-Trimethylbenzene	8.88		"	10.0		88.8	80-131		6.22	30	
1,3-Dichlorobenzene	8.23		"	10.0		82.3	86-122	Low Bias	4.16	30	
1,3-Dichloropropane	9.47		"	10.0		94.7	81-125		0.946	30	
1,4-Dichlorobenzene	8.46		"	10.0		84.6	85-124	Low Bias	3.60	30	
1,4-Dioxane	204		"	210		96.9	10-349		3.29	30	
2-Butanone	8.99		"	10.0		89.9	49-152		3.28	30	
2-Hexanone	11.2		"	10.0		112	51-146		2.79	30	
4-Methyl-2-pentanone	11.1		"	10.0		111	57-145		3.95	30	
Acetone	9.64		"	10.0		96.4	14-150		2.10	30	
Acrolein	5.01		"	10.0		50.1	10-153		1.00	30	
Acrylonitrile	8.70		"	10.0		87.0	51-150		3.15	30	
Benzene	8.59		"	10.0		85.9	85-126		2.53	30	
Bromochloromethane	10.0		"	10.0		100	77-128		2.66	30	
Bromodichloromethane	9.50		"	10.0		95.0	79-128		4.12	30	
Bromoform	9.19		"	10.0		91.9	78-133		0.984	30	
Bromomethane	9.38		"	10.0		93.8	43-168		8.28	30	
Carbon disulfide	8.06		"	10.0		80.6	68-146		5.55	30	
Carbon tetrachloride	9.28		"	10.0		92.8	77-141		4.01	30	
Chlorobenzene	9.38		"	10.0		93.8	88-120		3.35	30	
Chloroethane	10.2		"	10.0		102	65-136		6.30	30	
Chloroform	9.03		"	10.0		90.3	82-128		2.84	30	
Chloromethane	11.6		"	10.0		116	43-155		11.7	30	
cis-1,2-Dichloroethylene	9.54		"	10.0		95.4	83-129		3.20	30	
cis-1,3-Dichloropropylene	9.44		"	10.0		94.4	80-131		2.51	30	
Cyclohexane	7.11		"	10.0		71.1	63-149		4.80	30	
Dibromochloromethane	8.64		"	10.0		86.4	80-130		0.807	30	
Dibromomethane	9.19		"	10.0		91.9	72-134		0.975	30	
Dichlorodifluoromethane	13.2		"	10.0		132	44-144		11.2	30	
Ethyl Benzene	10.2		"	10.0		102	80-131		4.41	30	
Hexachlorobutadiene	10.9		"	10.0		109	67-146		1.54	30	
Isopropylbenzene	9.04		"	10.0		90.4	76-140		5.59	30	
Methyl acetate	9.49		"	10.0		94.9	51-139		0.105	30	
Methyl tert-butyl ether (MTBE)	8.79		"	10.0		87.9	76-135		2.19	30	
Methyleyclohexane	9.45		"	10.0		94.5	72-143		5.36	30	
Methylene chloride	10.0		"	10.0		100	55-137		4.50	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 BC22587 - EPA 5030B

LCS Dup (BC22587-BSD1)

Prepared & Analyzed: 03/23/2022

Naphthalene	7.44		ug/L	10.0		74.4	70-147		3.28	30	
n-Butylbenzene	9.84		"	10.0		98.4	79-132		11.1	30	
n-Propylbenzene	9.49		"	10.0		94.9	78-133		6.43	30	
o-Xylene	10.0		"	10.0		100	78-130		4.85	30	
p- & m- Xylenes	17.5		"	20.0		87.6	77-133		4.85	30	
p-Diethylbenzene	9.25		"	10.0		92.5	84-134		5.98	30	
p-Ethyltoluene	9.89		"	10.0		98.9	88-129		5.98	30	
p-Isopropyltoluene	9.05		"	10.0		90.5	81-136		5.79	30	
sec-Butylbenzene	9.09		"	10.0		90.9	79-137		5.98	30	
Styrene	9.28		"	10.0		92.8	67-132		3.18	30	
tert-Butyl alcohol (TBA)	42.9		"	50.0		85.7	25-162		8.89	30	
tert-Butylbenzene	7.11		"	10.0		71.1	77-138	Low Bias	5.60	30	
Tetrachloroethylene	8.57		"	10.0		85.7	82-131		3.67	30	
Toluene	9.46		"	10.0		94.6	80-127		3.94	30	
trans-1,2-Dichloroethylene	9.41		"	10.0		94.1	80-132		4.26	30	
trans-1,3-Dichloropropylene	9.57		"	10.0		95.7	78-131		2.27	30	
Trichloroethylene	8.79		"	10.0		87.9	82-128		5.96	30	
Trichlorofluoromethane	10.3		"	10.0		103	67-139		7.66	30	
Vinyl Chloride	13.0		"	10.0		130	58-145		10.1	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	11.4		"	10.0		114	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				

Batch BC22769 - EPA 5035A

Blank (BC22769-BLK1)

Prepared & Analyzed: 03/23/2022

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 BC22769 - EPA 5035A

Blank (BC22769-BLK1)

Prepared & Analyzed: 03/23/2022

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

50.2

ug/L

50.0

100

77-125

Surrogate: SURR: Toluene-d8

48.7

"

50.0

97.3

85-120

120 RESEARCH DRIVE

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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 BC22769 - EPA 5035A

Blank (BC22769-BLK1)

Prepared & Analyzed: 03/23/2022

Surrogate: SURR: p-Bromofluorobenzene 55.3 ug/L 50.0 111 76-130

Blank (BC22769-BLK2)

Prepared & Analyzed: 03/23/2022

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 BC22769 - EPA 5035A

Blank (BC22769-BLK2)

Prepared & Analyzed: 03/23/2022

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	50.2	ug/L	50.0	100	77-125
Surrogate: SURR: Toluene-d8	48.9	"	50.0	97.7	85-120
Surrogate: SURR: p-Bromofluorobenzene	53.9	"	50.0	108	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 BC22769 - EPA 5035A											
LCS (BC22769-BS1)						Prepared & Analyzed: 03/23/2022					
1,1,1,2-Tetrachloroethane	49.0		ug/L	50.0		98.0	75-129				
1,1,1-Trichloroethane	51.0		"	50.0		102	71-137				
1,1,2,2-Tetrachloroethane	51.4		"	50.0		103	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.8		"	50.0		102	58-146				
1,1,2-Trichloroethane	49.8		"	50.0		99.6	83-123				
1,1-Dichloroethane	50.6		"	50.0		101	75-130				
1,1-Dichloroethylene	49.0		"	50.0		97.9	64-137				
1,1-Dichloropropylene	48.6		"	50.0		97.2	77-127				
1,2,3-Trichlorobenzene	48.6		"	50.0		97.3	81-140				
1,2,3-Trichloropropane	50.9		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	50.0		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	52.0		"	50.0		104	84-125				
1,2-Dibromo-3-chloropropane	52.2		"	50.0		104	74-142				
1,2-Dibromoethane	50.4		"	50.0		101	86-123				
1,2-Dichlorobenzene	49.9		"	50.0		99.7	85-122				
1,2-Dichloroethane	50.2		"	50.0		100	71-133				
1,2-Dichloropropane	52.3		"	50.0		105	81-122				
1,3,5-Trimethylbenzene	50.6		"	50.0		101	82-126				
1,3-Dichlorobenzene	50.4		"	50.0		101	84-124				
1,3-Dichloropropane	49.8		"	50.0		99.7	83-123				
1,4-Dichlorobenzene	50.0		"	50.0		100	84-124				
1,4-Dioxane	1040		"	1050		98.8	10-228				
2,2-Dichloropropane	55.2		"	50.0		110	67-136				
2-Butanone	49.2		"	50.0		98.4	58-147				
2-Chlorotoluene	51.3		"	50.0		103	78-127				
2-Hexanone	49.8		"	50.0		99.7	70-139				
4-Chlorotoluene	51.4		"	50.0		103	79-125				
4-Methyl-2-pentanone	37.8		"	50.0		75.6	72-132				
Acetone	41.7		"	50.0		83.4	36-155				
Acrolein	35.2		"	50.0		70.4	10-238				
Acrylonitrile	48.6		"	50.0		97.2	66-141				
Benzene	51.1		"	50.0		102	77-127				
Bromobenzene	51.1		"	50.0		102	77-129				
Bromochloromethane	50.7		"	50.0		101	74-129				
Bromodichloromethane	50.2		"	50.0		100	81-124				
Bromoform	49.5		"	50.0		99.0	80-136				
Bromomethane	41.2		"	50.0		82.5	32-177				
Carbon disulfide	51.1		"	50.0		102	10-136				
Carbon tetrachloride	50.6		"	50.0		101	66-143				
Chlorobenzene	51.8		"	50.0		104	86-120				
Chloroethane	48.8		"	50.0		97.5	51-142				
Chloroform	51.0		"	50.0		102	76-131				
Chloromethane	50.3		"	50.0		101	49-132				
cis-1,2-Dichloroethylene	50.8		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	51.1		"	50.0		102	81-129				
Cyclohexane	49.0		"	50.0		98.0	70-130				
Dibromochloromethane	49.5		"	50.0		99.0	10-200				
Dibromomethane	50.0		"	50.0		100	83-124				
Dichlorodifluoromethane	49.3		"	50.0		98.6	28-158				
Ethyl Benzene	51.0		"	50.0		102	84-125				
Hexachlorobutadiene	50.1		"	50.0		100	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 BC22769 - EPA 5035A

LCS (BC22769-BS1)

Prepared & Analyzed: 03/23/2022

Isopropylbenzene	52.7		ug/L	50.0		105	81-127				
Methyl acetate	45.6		"	50.0		91.2	41-143				
Methyl tert-butyl ether (MTBE)	51.4		"	50.0		103	74-131				
Methylcyclohexane	49.0		"	50.0		97.9	70-130				
Methylene chloride	50.5		"	50.0		101	57-141				
n-Butylbenzene	49.4		"	50.0		98.9	80-130				
n-Propylbenzene	51.4		"	50.0		103	74-136				
o-Xylene	51.2		"	50.0		102	83-123				
p- & m- Xylenes	102		"	100		102	82-128				
p-Isopropyltoluene	51.5		"	50.0		103	85-125				
sec-Butylbenzene	51.2		"	50.0		102	83-125				
Styrene	49.1		"	50.0		98.2	86-126				
tert-Butyl alcohol (TBA)	295		"	250		118	70-130				
tert-Butylbenzene	45.0		"	50.0		90.0	80-127				
Tetrachloroethylene	44.7		"	50.0		89.5	80-129				
Toluene	50.8		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	51.3		"	50.0		103	72-132				
trans-1,3-Dichloropropylene	51.2		"	50.0		102	78-132				
Trichloroethylene	50.4		"	50.0		101	84-123				
Trichlorofluoromethane	47.9		"	50.0		95.8	62-140				
Vinyl acetate	48.0		"	50.0		95.9	67-136				
Vinyl Chloride	50.5		"	50.0		101	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	48.8		"	50.0		97.7	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	52.3		"	50.0		105	76-130				

LCS Dup (BC22769-BS1)

Prepared & Analyzed: 03/23/2022

1,1,1,2-Tetrachloroethane	48.5		ug/L	50.0		96.9	75-129		1.13	30	
1,1,1-Trichloroethane	50.4		"	50.0		101	71-137		1.10	30	
1,1,2,2-Tetrachloroethane	51.2		"	50.0		102	79-129		0.390	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.5		"	50.0		101	58-146		0.612	30	
1,1,2-Trichloroethane	48.6		"	50.0		97.2	83-123		2.48	30	
1,1-Dichloroethane	49.8		"	50.0		99.5	75-130		1.71	30	
1,1-Dichloroethylene	48.2		"	50.0		96.5	64-137		1.52	30	
1,1-Dichloropropylene	47.6		"	50.0		95.3	77-127		1.95	30	
1,2,3-Trichlorobenzene	49.3		"	50.0		98.6	81-140		1.39	30	
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126		1.28	30	
1,2,4-Trichlorobenzene	50.3		"	50.0		101	80-141		0.558	30	
1,2,4-Trimethylbenzene	51.4		"	50.0		103	84-125		1.04	30	
1,2-Dibromo-3-chloropropane	50.9		"	50.0		102	74-142		2.66	30	
1,2-Dibromoethane	49.4		"	50.0		98.9	86-123		2.00	30	
1,2-Dichlorobenzene	49.7		"	50.0		99.3	85-122		0.422	30	
1,2-Dichloroethane	49.9		"	50.0		99.8	71-133		0.600	30	
1,2-Dichloropropane	52.3		"	50.0		105	81-122		0.115	30	
1,3,5-Trimethylbenzene	49.8		"	50.0		99.7	82-126		1.45	30	
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124		0.497	30	
1,3-Dichloropropane	49.0		"	50.0		98.0	83-123		1.72	30	
1,4-Dichlorobenzene	50.3		"	50.0		101	84-124		0.678	30	
1,4-Dioxane	1010		"	1050		96.4	10-228		2.51	30	
2,2-Dichloropropane	53.9		"	50.0		108	67-136		2.33	30	
2-Butanone	48.9		"	50.0		97.7	58-147		0.673	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 BC22769 - EPA 5035A											
LCS Dup (BC22769-BSD1)						Prepared & Analyzed: 03/23/2022					
2-Chlorotoluene	50.7		ug/L	50.0		101	78-127		1.14	30	
2-Hexanone	49.3		"	50.0		98.5	70-139		1.15	30	
4-Chlorotoluene	51.2		"	50.0		102	79-125		0.488	30	
4-Methyl-2-pentanone	37.2		"	50.0		74.3	72-132		1.65	30	
Acetone	39.5		"	50.0		79.0	36-155		5.47	30	
Acrolein	35.4		"	50.0		70.8	10-238		0.538	30	
Acrylonitrile	48.6		"	50.0		97.1	66-141		0.123	30	
Benzene	50.2		"	50.0		100	77-127		1.84	30	
Bromobenzene	51.0		"	50.0		102	77-129		0.157	30	
Bromochloromethane	49.8		"	50.0		99.5	74-129		1.85	30	
Bromodichloromethane	49.8		"	50.0		99.6	81-124		0.940	30	
Bromoform	49.2		"	50.0		98.5	80-136		0.567	30	
Bromomethane	41.0		"	50.0		82.1	32-177		0.486	30	
Carbon disulfide	50.4		"	50.0		101	10-136		1.30	30	
Carbon tetrachloride	49.8		"	50.0		99.6	66-143		1.53	30	
Chlorobenzene	50.6		"	50.0		101	86-120		2.36	30	
Chloroethane	47.0		"	50.0		94.1	51-142		3.59	30	
Chloroform	50.0		"	50.0		100	76-131		2.12	30	
Chloromethane	49.3		"	50.0		98.6	49-132		2.05	30	
cis-1,2-Dichloroethylene	49.2		"	50.0		98.4	74-132		3.20	30	
cis-1,3-Dichloropropylene	50.0		"	50.0		100	81-129		2.10	30	
Cyclohexane	48.9		"	50.0		97.7	70-130		0.245	30	
Dibromochloromethane	48.5		"	50.0		97.0	10-200		1.98	30	
Dibromomethane	48.8		"	50.0		97.5	83-124		2.47	30	
Dichlorodifluoromethane	47.6		"	50.0		95.1	28-158		3.61	30	
Ethyl Benzene	49.8		"	50.0		99.6	84-125		2.28	30	
Hexachlorobutadiene	50.0		"	50.0		100	83-133		0.200	30	
Isopropylbenzene	52.4		"	50.0		105	81-127		0.666	30	
Methyl acetate	44.8		"	50.0		89.6	41-143		1.79	30	
Methyl tert-butyl ether (MTBE)	50.0		"	50.0		100	74-131		2.86	30	
Methylcyclohexane	48.4		"	50.0		96.7	70-130		1.27	30	
Methylene chloride	49.5		"	50.0		99.0	57-141		2.06	30	
n-Butylbenzene	48.8		"	50.0		97.7	80-130		1.18	30	
n-Propylbenzene	50.9		"	50.0		102	74-136		0.958	30	
o-Xylene	50.6		"	50.0		101	83-123		1.08	30	
p- & m- Xylenes	101		"	100		101	82-128		1.41	30	
p-Isopropyltoluene	51.1		"	50.0		102	85-125		0.858	30	
sec-Butylbenzene	51.0		"	50.0		102	83-125		0.391	30	
Styrene	48.8		"	50.0		97.6	86-126		0.572	30	
tert-Butyl alcohol (TBA)	298		"	250		119	70-130		0.944	30	
tert-Butylbenzene	44.1		"	50.0		88.3	80-127		1.97	30	
Tetrachloroethylene	43.7		"	50.0		87.5	80-129		2.26	30	
Toluene	50.0		"	50.0		99.9	85-121		1.67	30	
trans-1,2-Dichloroethylene	48.9		"	50.0		97.7	72-132		4.87	30	
trans-1,3-Dichloropropylene	50.7		"	50.0		101	78-132		1.02	30	
Trichloroethylene	50.0		"	50.0		100	84-123		0.657	30	
Trichlorofluoromethane	47.2		"	50.0		94.4	62-140		1.47	30	
Vinyl acetate	47.2		"	50.0		94.4	67-136		1.53	30	
Vinyl Chloride	49.8		"	50.0		99.7	52-130		1.37	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	48.9		"	50.0		97.8	77-125				
Surrogate: SURR: Toluene-d8	49.0		"	50.0		97.9	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 BC22769 - EPA 5035A

LCS Dup (BC22769-BSD1)

Prepared & Analyzed: 03/23/2022

Surrogate: *SURR: p-Bromofluorobenzene* 52.5 ug/L 50.0 105 76-130

Batch BC22842 - EPA 5035A

Blank (BC22842-BLK1)

Prepared & Analyzed: 03/24/2022

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	"



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 BC22842 - EPA 5035A

Blank (BC22842-BLK1)

Prepared & Analyzed: 03/24/2022

Dibromochloromethane	ND	0.0050	mg/kg wet								
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	"								
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	52.0		ug/L	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	48.7		"	50.0		97.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.4		"	50.0		96.7	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 BC22842 - EPA 5035A

Blank (BC22842-BLK2)

Prepared & Analyzed: 03/24/2022

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 BC22842 - EPA 5035A

Blank (BC22842-BLK2)

Prepared & Analyzed: 03/24/2022

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

52.7

ug/L

50.0

105

77-125

Surrogate: SURR: Toluene-d8

48.7

50.0

97.3

85-120

Surrogate: SURR: p-Bromofluorobenzene

48.4

50.0

96.8

76-130

Blank (BC22842-BLK3)

Prepared & Analyzed: 03/24/2022

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	"



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 BC22842 - EPA 5035A

Blank (BC22842-BLK3)

Prepared & Analyzed: 03/24/2022

2-Butanone	ND	0.0050	mg/kg wet
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	"
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	"



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 BC22842 - EPA 5035A											
Blank (BC22842-BLK3)						Prepared & Analyzed: 03/24/2022					
Surrogate: SURR: 1,2-Dichloroethane-d4	53.8		ug/L	50.0		108	77-125				
Surrogate: SURR: Toluene-d8	48.3		"	50.0		96.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.5	76-130				
LCS (BC22842-BS1)						Prepared & Analyzed: 03/24/2022					
1,1,1,2-Tetrachloroethane	53.1		ug/L	50.0		106	75-129				
1,1,1-Trichloroethane	51.9		"	50.0		104	71-137				
1,1,2,2-Tetrachloroethane	49.8		"	50.0		99.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55.1		"	50.0		110	58-146				
1,1,2-Trichloroethane	51.6		"	50.0		103	83-123				
1,1-Dichloroethane	50.6		"	50.0		101	75-130				
1,1-Dichloroethylene	53.3		"	50.0		107	64-137				
1,1-Dichloropropylene	47.3		"	50.0		94.7	77-127				
1,2,3-Trichlorobenzene	49.6		"	50.0		99.2	81-140				
1,2,3-Trichloropropane	48.6		"	50.0		97.1	81-126				
1,2,4-Trichlorobenzene	49.4		"	50.0		98.8	80-141				
1,2,4-Trimethylbenzene	47.2		"	50.0		94.3	84-125				
1,2-Dibromo-3-chloropropane	50.1		"	50.0		100	74-142				
1,2-Dibromoethane	53.9		"	50.0		108	86-123				
1,2-Dichlorobenzene	48.9		"	50.0		97.8	85-122				
1,2-Dichloroethane	54.3		"	50.0		109	71-133				
1,2-Dichloropropane	50.6		"	50.0		101	81-122				
1,3,5-Trimethylbenzene	46.4		"	50.0		92.8	82-126				
1,3-Dichlorobenzene	48.2		"	50.0		96.3	84-124				
1,3-Dichloropropane	50.8		"	50.0		102	83-123				
1,4-Dichlorobenzene	48.6		"	50.0		97.2	84-124				
1,4-Dioxane	1020		"	1050		97.4	10-228				
2,2-Dichloropropane	55.7		"	50.0		111	67-136				
2-Butanone	50.0		"	50.0		100	58-147				
2-Chlorotoluene	47.2		"	50.0		94.5	78-127				
2-Hexanone	49.1		"	50.0		98.2	70-139				
4-Chlorotoluene	45.9		"	50.0		91.8	79-125				
4-Methyl-2-pentanone	49.6		"	50.0		99.2	72-132				
Acetone	42.1		"	50.0		84.2	36-155				
Acrolein	41.2		"	50.0		82.3	10-238				
Acrylonitrile	52.0		"	50.0		104	66-141				
Benzene	51.6		"	50.0		103	77-127				
Bromobenzene	46.6		"	50.0		93.3	77-129				
Bromochloromethane	54.1		"	50.0		108	74-129				
Bromodichloromethane	53.5		"	50.0		107	81-124				
Bromoform	59.7		"	50.0		119	80-136				
Bromomethane	51.9		"	50.0		104	32-177				
Carbon disulfide	52.5		"	50.0		105	10-136				
Carbon tetrachloride	54.4		"	50.0		109	66-143				
Chlorobenzene	51.6		"	50.0		103	86-120				
Chloroethane	48.0		"	50.0		96.0	51-142				
Chloroform	52.5		"	50.0		105	76-131				
Chloromethane	45.9		"	50.0		91.7	49-132				
cis-1,2-Dichloroethylene	51.1		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	53.8		"	50.0		108	81-129				
Cyclohexane	46.2		"	50.0		92.4	70-130				



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 BC22842 - EPA 5035A

LCS (BC22842-BS1)

Prepared & Analyzed: 03/24/2022

Dibromochloromethane	57.3		ug/L	50.0		115	10-200				
Dibromomethane	51.5		"	50.0		103	83-124				
Dichlorodifluoromethane	43.5		"	50.0		87.1	28-158				
Ethyl Benzene	49.2		"	50.0		98.5	84-125				
Hexachlorobutadiene	45.9		"	50.0		91.9	83-133				
Isopropylbenzene	47.5		"	50.0		95.0	81-127				
Methyl acetate	44.7		"	50.0		89.3	41-143				
Methyl tert-butyl ether (MTBE)	56.2		"	50.0		112	74-131				
Methylcyclohexane	45.7		"	50.0		91.4	70-130				
Methylene chloride	51.1		"	50.0		102	57-141				
n-Butylbenzene	43.9		"	50.0		87.8	80-130				
n-Propylbenzene	45.7		"	50.0		91.3	74-136				
o-Xylene	51.0		"	50.0		102	83-123				
p- & m- Xylenes	98.9		"	100		98.9	82-128				
p-Isopropyltoluene	47.1		"	50.0		94.1	85-125				
sec-Butylbenzene	46.1		"	50.0		92.1	83-125				
Styrene	49.4		"	50.0		98.7	86-126				
tert-Butyl alcohol (TBA)	220		"	250		87.9	70-130				
tert-Butylbenzene	46.6		"	50.0		93.2	80-127				
Tetrachloroethylene	43.9		"	50.0		87.7	80-129				
Toluene	48.6		"	50.0		97.2	85-121				
trans-1,2-Dichloroethylene	49.4		"	50.0		98.7	72-132				
trans-1,3-Dichloropropylene	56.7		"	50.0		113	78-132				
Trichloroethylene	48.7		"	50.0		97.4	84-123				
Trichlorofluoromethane	47.4		"	50.0		94.8	62-140				
Vinyl acetate	48.3		"	50.0		96.6	67-136				
Vinyl Chloride	53.4		"	50.0		107	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.7		"	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	48.3		"	50.0		96.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.2		"	50.0		96.5	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 BC22842 - EPA 5035A											
LCS Dup (BC22842-BSD1)						Prepared & Analyzed: 03/24/2022					
1,1,1,2-Tetrachloroethane	49.1		ug/L	50.0		98.3	75-129		7.75	30	
1,1,1-Trichloroethane	47.5		"	50.0		95.0	71-137		8.85	30	
1,1,2,2-Tetrachloroethane	46.8		"	50.0		93.6	79-129		6.07	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60.6		"	50.0		121	58-146		9.54	30	
1,1,2-Trichloroethane	48.5		"	50.0		97.1	83-123		6.04	30	
1,1-Dichloroethane	47.0		"	50.0		93.9	75-130		7.46	30	
1,1-Dichloroethylene	59.4		"	50.0		119	64-137		10.9	30	
1,1-Dichloropropylene	43.3		"	50.0		86.6	77-127		8.92	30	
1,2,3-Trichlorobenzene	46.1		"	50.0		92.2	81-140		7.31	30	
1,2,3-Trichloropropane	45.4		"	50.0		90.9	81-126		6.64	30	
1,2,4-Trichlorobenzene	45.6		"	50.0		91.2	80-141		8.00	30	
1,2,4-Trimethylbenzene	43.6		"	50.0		87.3	84-125		7.73	30	
1,2-Dibromo-3-chloropropane	45.6		"	50.0		91.3	74-142		9.34	30	
1,2-Dibromoethane	50.7		"	50.0		101	86-123		6.21	30	
1,2-Dichlorobenzene	45.8		"	50.0		91.6	85-122		6.59	30	
1,2-Dichloroethane	49.9		"	50.0		99.9	71-133		8.40	30	
1,2-Dichloropropane	47.8		"	50.0		95.5	81-122		5.85	30	
1,3,5-Trimethylbenzene	42.9		"	50.0		85.7	82-126		7.95	30	
1,3-Dichlorobenzene	44.7		"	50.0		89.3	84-124		7.50	30	
1,3-Dichloropropane	47.5		"	50.0		94.9	83-123		6.72	30	
1,4-Dichlorobenzene	44.7		"	50.0		89.4	84-124		8.32	30	
1,4-Dioxane	906		"	1050		86.2	10-228		12.1	30	
2,2-Dichloropropane	51.5		"	50.0		103	67-136		7.88	30	
2-Butanone	49.8		"	50.0		99.7	58-147		0.421	30	
2-Chlorotoluene	43.8		"	50.0		87.7	78-127		7.47	30	
2-Hexanone	45.6		"	50.0		91.1	70-139		7.46	30	
4-Chlorotoluene	42.4		"	50.0		84.8	79-125		7.95	30	
4-Methyl-2-pentanone	46.3		"	50.0		92.5	72-132		6.91	30	
Acetone	39.3		"	50.0		78.5	36-155		6.93	30	
Acrolein	44.5		"	50.0		88.9	10-238		7.73	30	
Acrylonitrile	44.4		"	50.0		88.7	66-141		15.9	30	
Benzene	47.8		"	50.0		95.7	77-127		7.52	30	
Bromobenzene	44.2		"	50.0		88.4	77-129		5.39	30	
Bromochloromethane	50.7		"	50.0		101	74-129		6.57	30	
Bromodichloromethane	50.0		"	50.0		99.9	81-124		6.92	30	
Bromoform	55.9		"	50.0		112	80-136		6.49	30	
Bromomethane	47.4		"	50.0		94.8	32-177		9.00	30	
Carbon disulfide	47.9		"	50.0		95.9	10-136		9.04	30	
Carbon tetrachloride	49.4		"	50.0		98.7	66-143		9.60	30	
Chlorobenzene	48.2		"	50.0		96.4	86-120		6.77	30	
Chloroethane	53.9		"	50.0		108	51-142		11.6	30	
Chloroform	48.8		"	50.0		97.6	76-131		7.31	30	
Chloromethane	43.5		"	50.0		87.0	49-132		5.33	30	
cis-1,2-Dichloroethylene	47.6		"	50.0		95.2	74-132		7.05	30	
cis-1,3-Dichloropropylene	50.4		"	50.0		101	81-129		6.56	30	
Cyclohexane	42.4		"	50.0		84.8	70-130		8.65	30	
Dibromochloromethane	52.3		"	50.0		105	10-200		9.12	30	
Dibromomethane	48.7		"	50.0		97.4	83-124		5.63	30	
Dichlorodifluoromethane	40.2		"	50.0		80.4	28-158		7.95	30	
Ethyl Benzene	45.5		"	50.0		91.0	84-125		7.90	30	
Hexachlorobutadiene	43.8		"	50.0		87.7	83-133		4.68	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 BC22842 - EPA 5035A

LCS Dup (BC22842-BSD1)

Prepared & Analyzed: 03/24/2022

Isopropylbenzene	44.3		ug/L	50.0		88.5	81-127		7.10	30	
Methyl acetate	40.9		"	50.0		81.8	41-143		8.81	30	
Methyl tert-butyl ether (MTBE)	53.2		"	50.0		106	74-131		5.45	30	
Methylcyclohexane	42.5		"	50.0		84.9	70-130		7.37	30	
Methylene chloride	46.7		"	50.0		93.4	57-141		9.04	30	
n-Butylbenzene	42.8		"	50.0		85.6	80-130		2.56	30	
n-Propylbenzene	42.8		"	50.0		85.5	74-136		6.58	30	
o-Xylene	47.2		"	50.0		94.3	83-123		7.86	30	
p- & m- Xylenes	91.7		"	100		91.7	82-128		7.53	30	
p-Isopropyltoluene	43.6		"	50.0		87.2	85-125		7.68	30	
sec-Butylbenzene	42.7		"	50.0		85.3	83-125		7.66	30	
Styrene	46.5		"	50.0		93.0	86-126		5.94	30	
tert-Butyl alcohol (TBA)	208		"	250		83.2	70-130		5.56	30	
tert-Butylbenzene	43.6		"	50.0		87.2	80-127		6.59	30	
Tetrachloroethylene	40.4		"	50.0		80.8	80-129		8.19	30	
Toluene	45.0		"	50.0		90.0	85-121		7.71	30	
trans-1,2-Dichloroethylene	46.5		"	50.0		92.9	72-132		6.03	30	
trans-1,3-Dichloropropylene	51.5		"	50.0		103	78-132		9.71	30	
Trichloroethylene	44.6		"	50.0		89.2	84-123		8.81	30	
Trichlorofluoromethane	51.5		"	50.0		103	62-140		8.41	30	
Vinyl acetate	44.4		"	50.0		88.9	67-136		8.30	30	
Vinyl Chloride	48.1		"	50.0		96.1	52-130		10.6	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	51.1		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	48.4		"	50.0		96.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.7		"	50.0		97.3	76-130				

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	"



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	
2-Hexanone	ND	0.500	ug/L								
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	"								
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				



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					
Surrogate: <i>SURR: p-Bromofluorobenzene</i>	10.5		ug/L	10.0		105	79-122				
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				



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					
Methyl tert-butyl ether (MTBE)	8.25		ug/L	10.0		82.5	76-135				
Methylcyclohexane	9.10		"	10.0		91.0	72-143				
Methylene chloride	9.81		"	10.0		98.1	55-137				
Naphthalene	7.17		"	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-BS1)						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	



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 BC22933 - EPA 5030B											
LCS Dup (BC22933-BSD1)						Prepared & Analyzed: 03/25/2022					
Acetone	9.70		ug/L	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	
Benzene	8.99		"	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 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 BC22944 - EPA 5035A

Blank (BC22944-BLK1)

Prepared & Analyzed: 03/25/2022

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 BC22944 - EPA 5035A

Blank (BC22944-BLK1)

Prepared & Analyzed: 03/25/2022

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

53.0

ug/L

50.0

106

77-125

Surrogate: SURR: Toluene-d8

47.6

50.0

95.1

85-120

Surrogate: SURR: p-Bromofluorobenzene

47.1

50.0

94.2

76-130

Blank (BC22944-BLK2)

Prepared & Analyzed: 03/25/2022

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	"



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 BC22944 - EPA 5035A											
Blank (BC22944-BLK2)										Prepared & Analyzed: 03/25/2022	
2-Butanone	ND	0.0050	mg/kg wet								
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	"								
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	"								



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 BC22944 - EPA 5035A											
Blank (BC22944-BLK2)						Prepared & Analyzed: 03/25/2022					
Surrogate: SURR: 1,2-Dichloroethane-d4	52.3		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	48.2		"	50.0		96.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.6		"	50.0		95.3	76-130				
LCS (BC22944-BS1)						Prepared & Analyzed: 03/25/2022					
1,1,1,2-Tetrachloroethane	57.6		ug/L	50.0		115	75-129				
1,1,1-Trichloroethane	58.1		"	50.0		116	71-137				
1,1,2,2-Tetrachloroethane	54.3		"	50.0		109	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	69.6		"	50.0		139	58-146				
1,1,2-Trichloroethane	55.8		"	50.0		112	83-123				
1,1-Dichloroethane	57.2		"	50.0		114	75-130				
1,1-Dichloroethylene	73.4		"	50.0		147	64-137	High Bias			
1,1-Dichloropropylene	53.6		"	50.0		107	77-127				
1,2,3-Trichlorobenzene	54.6		"	50.0		109	81-140				
1,2,3-Trichloropropane	54.1		"	50.0		108	81-126				
1,2,4-Trichlorobenzene	54.2		"	50.0		108	80-141				
1,2,4-Trimethylbenzene	52.3		"	50.0		105	84-125				
1,2-Dibromo-3-chloropropane	55.5		"	50.0		111	74-142				
1,2-Dibromoethane	58.3		"	50.0		117	86-123				
1,2-Dichlorobenzene	54.3		"	50.0		109	85-122				
1,2-Dichloroethane	58.5		"	50.0		117	71-133				
1,2-Dichloropropane	56.4		"	50.0		113	81-122				
1,3,5-Trimethylbenzene	51.8		"	50.0		104	82-126				
1,3-Dichlorobenzene	53.1		"	50.0		106	84-124				
1,3-Dichloropropane	55.2		"	50.0		110	83-123				
1,4-Dichlorobenzene	53.6		"	50.0		107	84-124				
1,4-Dioxane	1120		"	1050		107	10-228				
2,2-Dichloropropane	66.4		"	50.0		133	67-136				
2-Butanone	59.2		"	50.0		118	58-147				
2-Chlorotoluene	52.6		"	50.0		105	78-127				
2-Hexanone	52.4		"	50.0		105	70-139				
4-Chlorotoluene	56.1		"	50.0		112	79-125				
4-Methyl-2-pentanone	53.0		"	50.0		106	72-132				
Acetone	43.8		"	50.0		87.5	36-155				
Acrolein	54.8		"	50.0		110	10-238				
Acrylonitrile	54.0		"	50.0		108	66-141				
Benzene	57.8		"	50.0		116	77-127				
Bromobenzene	51.4		"	50.0		103	77-129				
Bromochloromethane	59.0		"	50.0		118	74-129				
Bromodichloromethane	58.4		"	50.0		117	81-124				
Bromoform	62.9		"	50.0		126	80-136				
Bromomethane	52.0		"	50.0		104	32-177				
Carbon disulfide	59.1		"	50.0		118	10-136				
Carbon tetrachloride	60.8		"	50.0		122	66-143				
Chlorobenzene	57.4		"	50.0		115	86-120				
Chloroethane	60.0		"	50.0		120	51-142				
Chloroform	58.4		"	50.0		117	76-131				
Chloromethane	52.0		"	50.0		104	49-132				
cis-1,2-Dichloroethylene	57.1		"	50.0		114	74-132				
cis-1,3-Dichloropropylene	58.7		"	50.0		117	81-129				
Cyclohexane	50.7		"	50.0		101	70-130				



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 BC22944 - EPA 5035A

LCS (BC22944-BS1)

Prepared & Analyzed: 03/25/2022

Dibromochloromethane	61.3		ug/L	50.0		123	10-200				
Dibromomethane	56.0		"	50.0		112	83-124				
Dichlorodifluoromethane	60.4		"	50.0		121	28-158				
Ethyl Benzene	54.8		"	50.0		110	84-125				
Hexachlorobutadiene	52.5		"	50.0		105	83-133				
Isopropylbenzene	53.6		"	50.0		107	81-127				
Methyl acetate	47.4		"	50.0		94.9	41-143				
Methyl tert-butyl ether (MTBE)	59.2		"	50.0		118	74-131				
Methylcyclohexane	50.5		"	50.0		101	70-130				
Methylene chloride	55.2		"	50.0		110	57-141				
n-Butylbenzene	50.3		"	50.0		101	80-130				
n-Propylbenzene	51.8		"	50.0		104	74-136				
o-Xylene	56.4		"	50.0		113	83-123				
p- & m- Xylenes	111		"	100		111	82-128				
p-Isopropyltoluene	52.7		"	50.0		105	85-125				
sec-Butylbenzene	52.3		"	50.0		105	83-125				
Styrene	55.0		"	50.0		110	86-126				
tert-Butyl alcohol (TBA)	274		"	250		110	70-130				
tert-Butylbenzene	52.6		"	50.0		105	80-127				
Tetrachloroethylene	50.0		"	50.0		100	80-129				
Toluene	53.9		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	56.4		"	50.0		113	72-132				
trans-1,3-Dichloropropylene	60.9		"	50.0		122	78-132				
Trichloroethylene	55.0		"	50.0		110	84-123				
Trichlorofluoromethane	57.3		"	50.0		115	62-140				
Vinyl acetate	67.6		"	50.0		135	67-136				
Vinyl Chloride	57.2		"	50.0		114	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.0		"	50.0		99.9	77-125				
Surrogate: SURR: Toluene-d8	48.2		"	50.0		96.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.8		"	50.0		97.6	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 BC22944 - EPA 5035A											
LCS Dup (BC22944-BSD1)						Prepared & Analyzed: 03/25/2022					
1,1,1,2-Tetrachloroethane	55.1		ug/L	50.0		110	75-129		4.40	30	
1,1,1-Trichloroethane	54.8		"	50.0		110	71-137		5.90	30	
1,1,2,2-Tetrachloroethane	52.8		"	50.0		106	79-129		2.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62.1		"	50.0		124	58-146		11.4	30	
1,1,2-Trichloroethane	53.2		"	50.0		106	83-123		4.70	30	
1,1-Dichloroethane	53.6		"	50.0		107	75-130		6.41	30	
1,1-Dichloroethylene	68.5		"	50.0		137	64-137		6.96	30	
1,1-Dichloropropylene	50.6		"	50.0		101	77-127		5.78	30	
1,2,3-Trichlorobenzene	51.3		"	50.0		103	81-140		6.12	30	
1,2,3-Trichloropropane	52.5		"	50.0		105	81-126		3.00	30	
1,2,4-Trichlorobenzene	51.2		"	50.0		102	80-141		5.60	30	
1,2,4-Trimethylbenzene	49.3		"	50.0		98.6	84-125		5.94	30	
1,2-Dibromo-3-chloropropane	52.6		"	50.0		105	74-142		5.48	30	
1,2-Dibromoethane	56.0		"	50.0		112	86-123		4.15	30	
1,2-Dichlorobenzene	51.7		"	50.0		103	85-122		5.00	30	
1,2-Dichloroethane	56.4		"	50.0		113	71-133		3.59	30	
1,2-Dichloropropane	52.9		"	50.0		106	81-122		6.42	30	
1,3,5-Trimethylbenzene	48.7		"	50.0		97.3	82-126		6.31	30	
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124		5.56	30	
1,3-Dichloropropane	52.8		"	50.0		106	83-123		4.50	30	
1,4-Dichlorobenzene	50.8		"	50.0		102	84-124		5.19	30	
1,4-Dioxane	1040		"	1050		98.7	10-228		7.79	30	
2,2-Dichloropropane	60.0		"	50.0		120	67-136		10.2	30	
2-Butanone	51.1		"	50.0		102	58-147		14.6	30	
2-Chlorotoluene	49.6		"	50.0		99.2	78-127		5.79	30	
2-Hexanone	50.0		"	50.0		100	70-139		4.76	30	
4-Chlorotoluene	48.3		"	50.0		96.6	79-125		14.9	30	
4-Methyl-2-pentanone	50.9		"	50.0		102	72-132		3.99	30	
Acetone	39.4		"	50.0		78.7	36-155		10.6	30	
Acrolein	47.1		"	50.0		94.2	10-238		15.1	30	
Acrylonitrile	51.9		"	50.0		104	66-141		3.97	30	
Benzene	54.8		"	50.0		110	77-127		5.34	30	
Bromobenzene	49.0		"	50.0		98.1	77-129		4.66	30	
Bromochloromethane	55.9		"	50.0		112	74-129		5.38	30	
Bromodichloromethane	54.9		"	50.0		110	81-124		6.11	30	
Bromoform	59.8		"	50.0		120	80-136		5.05	30	
Bromomethane	48.3		"	50.0		96.6	32-177		7.46	30	
Carbon disulfide	56.1		"	50.0		112	10-136		5.19	30	
Carbon tetrachloride	56.8		"	50.0		114	66-143		6.74	30	
Chlorobenzene	54.3		"	50.0		109	86-120		5.64	30	
Chloroethane	55.2		"	50.0		110	51-142		8.49	30	
Chloroform	55.7		"	50.0		111	76-131		4.63	30	
Chloromethane	49.0		"	50.0		98.0	49-132		6.00	30	
cis-1,2-Dichloroethylene	54.2		"	50.0		108	74-132		5.21	30	
cis-1,3-Dichloropropylene	56.0		"	50.0		112	81-129		4.67	30	
Cyclohexane	47.5		"	50.0		95.0	70-130		6.53	30	
Dibromochloromethane	57.4		"	50.0		115	10-200		6.50	30	
Dibromomethane	53.7		"	50.0		107	83-124		4.14	30	
Dichlorodifluoromethane	56.3		"	50.0		113	28-158		6.97	30	
Ethyl Benzene	51.3		"	50.0		103	84-125		6.58	30	
Hexachlorobutadiene	49.8		"	50.0		99.6	83-133		5.22	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 BC22944 - EPA 5035A

LCS Dup (BC22944-BSD1)

Prepared & Analyzed: 03/25/2022

Isopropylbenzene	50.5		ug/L	50.0		101	81-127		5.92	30	
Methyl acetate	47.5		"	50.0		95.0	41-143		0.147	30	
Methyl tert-butyl ether (MTBE)	56.6		"	50.0		113	74-131		4.46	30	
Methylcyclohexane	46.4		"	50.0		92.7	70-130		8.61	30	
Methylene chloride	53.0		"	50.0		106	57-141		3.99	30	
n-Butylbenzene	47.1		"	50.0		94.3	80-130		6.57	30	
n-Propylbenzene	48.6		"	50.0		97.2	74-136		6.49	30	
o-Xylene	53.3		"	50.0		107	83-123		5.56	30	
p- & m- Xylenes	104		"	100		104	82-128		6.65	30	
p-Isopropyltoluene	49.8		"	50.0		99.6	85-125		5.68	30	
sec-Butylbenzene	49.1		"	50.0		98.1	83-125		6.37	30	
Styrene	51.8		"	50.0		104	86-126		6.05	30	
tert-Butyl alcohol (TBA)	237		"	250		94.7	70-130		14.5	30	
tert-Butylbenzene	49.8		"	50.0		99.6	80-127		5.56	30	
Tetrachloroethylene	46.5		"	50.0		93.0	80-129		7.31	30	
Toluene	50.6		"	50.0		101	85-121		6.35	30	
trans-1,2-Dichloroethylene	53.4		"	50.0		107	72-132		5.34	30	
trans-1,3-Dichloropropylene	58.4		"	50.0		117	78-132		4.21	30	
Trichloroethylene	51.1		"	50.0		102	84-123		7.39	30	
Trichlorofluoromethane	54.2		"	50.0		108	62-140		5.54	30	
Vinyl acetate	67.5		"	50.0		135	67-136		0.237	30	
Vinyl Chloride	53.6		"	50.0		107	52-130		6.41	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	51.3		"	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	47.8		"	50.0		95.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.0		"	50.0		98.1	76-130				

Batch BC23192 - EPA 5035A

Blank (BC23192-BLK1)

Prepared & Analyzed: 03/30/2022

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	"





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 BC23192 - EPA 5035A

Blank (BC23192-BLK1)

Prepared & Analyzed: 03/30/2022

2,2-Dichloropropane	ND	0.0050	mg/kg wet
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	"
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	"



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 BC23192 - EPA 5035A

Blank (BC23192-BLK1)

Prepared & Analyzed: 03/30/2022

Xylenes, Total	ND	0.015	mg/kg wet								
Surrogate: SURR: 1,2-Dichloroethane-d4	53.2		ug/L	50.0		106	77-125				
Surrogate: SURR: Toluene-d8	46.2		"	50.0		92.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.6		"	50.0		95.1	76-130				

Blank (BC23192-BLK2)

Prepared & Analyzed: 03/30/2022

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	"								



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 BC23192 - EPA 5035A

Blank (BC23192-BLK2)

Prepared & Analyzed: 03/30/2022

Cyclohexane	ND	0.0050	mg/kg wet								
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	51.3		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	46.6		"	50.0		93.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.7		"	50.0		95.4	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 BC23192 - EPA 5035A											
LCS (BC23192-BS1)						Prepared & Analyzed: 03/30/2022					
1,1,1,2-Tetrachloroethane	60.8		ug/L	50.0		122	75-129				
1,1,1-Trichloroethane	62.2		"	50.0		124	71-137				
1,1,2,2-Tetrachloroethane	53.5		"	50.0		107	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	75.4		"	50.0		151	58-146	High Bias			
1,1,2-Trichloroethane	58.8		"	50.0		118	83-123				
1,1-Dichloroethane	59.8		"	50.0		120	75-130				
1,1-Dichloroethylene	73.1		"	50.0		146	64-137	High Bias			
1,1-Dichloropropylene	55.8		"	50.0		112	77-127				
1,2,3-Trichlorobenzene	53.7		"	50.0		107	81-140				
1,2,3-Trichloropropane	52.5		"	50.0		105	81-126				
1,2,4-Trichlorobenzene	54.3		"	50.0		109	80-141				
1,2,4-Trimethylbenzene	51.3		"	50.0		103	84-125				
1,2-Dibromo-3-chloropropane	53.8		"	50.0		108	74-142				
1,2-Dibromoethane	60.4		"	50.0		121	86-123				
1,2-Dichlorobenzene	54.0		"	50.0		108	85-122				
1,2-Dichloroethane	63.8		"	50.0		128	71-133				
1,2-Dichloropropane	57.0		"	50.0		114	81-122				
1,3,5-Trimethylbenzene	50.5		"	50.0		101	82-126				
1,3-Dichlorobenzene	52.6		"	50.0		105	84-124				
1,3-Dichloropropane	57.4		"	50.0		115	83-123				
1,4-Dichlorobenzene	53.3		"	50.0		107	84-124				
1,4-Dioxane	1030		"	1050		98.3	10-228				
2,2-Dichloropropane	71.4		"	50.0		143	67-136	High Bias			
2-Butanone	60.2		"	50.0		120	58-147				
2-Chlorotoluene	51.4		"	50.0		103	78-127				
2-Hexanone	51.4		"	50.0		103	70-139				
4-Chlorotoluene	55.6		"	50.0		111	79-125				
4-Methyl-2-pentanone	51.9		"	50.0		104	72-132				
Acetone	45.0		"	50.0		89.9	36-155				
Acrolein	64.9		"	50.0		130	10-238				
Acrylonitrile	58.0		"	50.0		116	66-141				
Benzene	61.7		"	50.0		123	77-127				
Bromobenzene	51.8		"	50.0		104	77-129				
Bromochloromethane	64.2		"	50.0		128	74-129				
Bromodichloromethane	61.1		"	50.0		122	81-124				
Bromoform	66.4		"	50.0		133	80-136				
Bromomethane	56.8		"	50.0		114	32-177				
Carbon disulfide	59.9		"	50.0		120	10-136				
Carbon tetrachloride	64.5		"	50.0		129	66-143				
Chlorobenzene	59.0		"	50.0		118	86-120				
Chloroethane	60.1		"	50.0		120	51-142				
Chloroform	63.3		"	50.0		127	76-131				
Chloromethane	44.8		"	50.0		89.7	49-132				
cis-1,2-Dichloroethylene	60.8		"	50.0		122	74-132				
cis-1,3-Dichloropropylene	62.0		"	50.0		124	81-129				
Cyclohexane	51.3		"	50.0		103	70-130				
Dibromochloromethane	64.3		"	50.0		129	10-200				
Dibromomethane	58.0		"	50.0		116	83-124				
Dichlorodifluoromethane	39.4		"	50.0		78.9	28-158				
Ethyl Benzene	55.9		"	50.0		112	84-125				
Hexachlorobutadiene	51.2		"	50.0		102	83-133				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

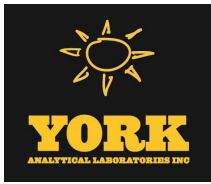
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC23192 - EPA 5035A											
LCS (BC23192-BS1)						Prepared & Analyzed: 03/30/2022					
Isopropylbenzene	52.0		ug/L	50.0		104	81-127				
Methyl acetate	49.2		"	50.0		98.5	41-143				
Methyl tert-butyl ether (MTBE)	64.2		"	50.0		128	74-131				
Methylcyclohexane	48.6		"	50.0		97.3	70-130				
Methylene chloride	58.3		"	50.0		117	57-141				
n-Butylbenzene	48.9		"	50.0		97.8	80-130				
n-Propylbenzene	50.3		"	50.0		101	74-136				
o-Xylene	58.2		"	50.0		116	83-123				
p- & m- Xylenes	113		"	100		113	82-128				
p-Isopropyltoluene	51.8		"	50.0		104	85-125				
sec-Butylbenzene	50.3		"	50.0		101	83-125				
Styrene	56.6		"	50.0		113	86-126				
tert-Butyl alcohol (TBA)	248		"	250		99.1	70-130				
tert-Butylbenzene	51.4		"	50.0		103	80-127				
Tetrachloroethylene	50.0		"	50.0		100	80-129				
Toluene	54.6		"	50.0		109	85-121				
trans-1,2-Dichloroethylene	58.2		"	50.0		116	72-132				
trans-1,3-Dichloropropylene	65.4		"	50.0		131	78-132				
Trichloroethylene	54.2		"	50.0		108	84-123				
Trichlorofluoromethane	57.7		"	50.0		115	62-140				
Vinyl acetate	77.1		"	50.0		154	67-136	High Bias			
Vinyl Chloride	53.3		"	50.0		107	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.9		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	46.2		"	50.0		92.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.4		"	50.0		94.7	76-130				
LCS Dup (BC23192-BSD1)						Prepared & Analyzed: 03/30/2022					
1,1,1,2-Tetrachloroethane	56.4		ug/L	50.0		113	75-129		7.61	30	
1,1,1-Trichloroethane	59.3		"	50.0		119	71-137		4.81	30	
1,1,2,2-Tetrachloroethane	49.0		"	50.0		97.9	79-129		8.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	71.0		"	50.0		142	58-146		6.12	30	
1,1,2-Trichloroethane	53.7		"	50.0		107	83-123		8.99	30	
1,1-Dichloroethane	56.2		"	50.0		112	75-130		6.26	30	
1,1-Dichloroethylene	70.5		"	50.0		141	64-137	High Bias	3.72	30	
1,1-Dichloropropylene	53.4		"	50.0		107	77-127		4.23	30	
1,2,3-Trichlorobenzene	49.1		"	50.0		98.3	81-140		8.96	30	
1,2,3-Trichloropropane	48.9		"	50.0		97.9	81-126		6.98	30	
1,2,4-Trichlorobenzene	48.9		"	50.0		97.8	80-141		10.5	30	
1,2,4-Trimethylbenzene	48.0		"	50.0		96.0	84-125		6.67	30	
1,2-Dibromo-3-chloropropane	49.0		"	50.0		98.0	74-142		9.32	30	
1,2-Dibromoethane	56.3		"	50.0		113	86-123		6.94	30	
1,2-Dichlorobenzene	49.5		"	50.0		99.0	85-122		8.64	30	
1,2-Dichloroethane	59.6		"	50.0		119	71-133		6.84	30	
1,2-Dichloropropane	53.7		"	50.0		107	81-122		6.05	30	
1,3,5-Trimethylbenzene	48.0		"	50.0		96.0	82-126		5.08	30	
1,3-Dichlorobenzene	48.9		"	50.0		97.7	84-124		7.41	30	
1,3-Dichloropropane	53.0		"	50.0		106	83-123		7.97	30	
1,4-Dichlorobenzene	49.4		"	50.0		98.8	84-124		7.67	30	
1,4-Dioxane	975		"	1050		92.9	10-228		5.63	30	
2,2-Dichloropropane	65.5		"	50.0		131	67-136		8.53	30	
2-Butanone	55.2		"	50.0		110	58-147		8.64	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 BC23192 - EPA 5035A											
LCS Dup (BC23192-BSD1)						Prepared & Analyzed: 03/30/2022					
2-Chlorotoluene	48.4		ug/L	50.0		96.7	78-127		5.98	30	
2-Hexanone	47.2		"	50.0		94.4	70-139		8.46	30	
4-Chlorotoluene	51.9		"	50.0		104	79-125		6.90	30	
4-Methyl-2-pentanone	48.3		"	50.0		96.7	72-132		7.07	30	
Acetone	40.6		"	50.0		81.2	36-155		10.2	30	
Acrolein	60.9		"	50.0		122	10-238		6.37	30	
Acrylonitrile	53.8		"	50.0		108	66-141		7.33	30	
Benzene	58.1		"	50.0		116	77-127		6.03	30	
Bromobenzene	48.0		"	50.0		96.0	77-129		7.50	30	
Bromochloromethane	60.7		"	50.0		121	74-129		5.61	30	
Bromodichloromethane	56.5		"	50.0		113	81-124		7.81	30	
Bromoform	60.6		"	50.0		121	80-136		9.05	30	
Bromomethane	54.7		"	50.0		109	32-177		3.80	30	
Carbon disulfide	55.7		"	50.0		111	10-136		7.35	30	
Carbon tetrachloride	61.1		"	50.0		122	66-143		5.38	30	
Chlorobenzene	55.1		"	50.0		110	86-120		6.77	30	
Chloroethane	56.4		"	50.0		113	51-142		6.39	30	
Chloroform	59.5		"	50.0		119	76-131		6.24	30	
Chloromethane	42.8		"	50.0		85.6	49-132		4.68	30	
cis-1,2-Dichloroethylene	57.3		"	50.0		115	74-132		5.92	30	
cis-1,3-Dichloropropylene	57.6		"	50.0		115	81-129		7.29	30	
Cyclohexane	49.5		"	50.0		99.1	70-130		3.47	30	
Dibromochloromethane	58.9		"	50.0		118	10-200		8.76	30	
Dibromomethane	53.9		"	50.0		108	83-124		7.40	30	
Dichlorodifluoromethane	37.6		"	50.0		75.3	28-158		4.65	30	
Ethyl Benzene	52.9		"	50.0		106	84-125		5.57	30	
Hexachlorobutadiene	48.2		"	50.0		96.3	83-133		6.10	30	
Isopropylbenzene	49.7		"	50.0		99.5	81-127		4.46	30	
Methyl acetate	45.5		"	50.0		91.1	41-143		7.83	30	
Methyl tert-butyl ether (MTBE)	58.9		"	50.0		118	74-131		8.58	30	
Methylcyclohexane	46.2		"	50.0		92.3	70-130		5.19	30	
Methylene chloride	55.1		"	50.0		110	57-141		5.66	30	
n-Butylbenzene	46.1		"	50.0		92.2	80-130		5.92	30	
n-Propylbenzene	47.8		"	50.0		95.6	74-136		5.06	30	
o-Xylene	54.6		"	50.0		109	83-123		6.30	30	
p- & m- Xylenes	107		"	100		107	82-128		5.59	30	
p-Isopropyltoluene	49.0		"	50.0		98.1	85-125		5.40	30	
sec-Butylbenzene	47.7		"	50.0		95.4	83-125		5.29	30	
Styrene	53.2		"	50.0		106	86-126		6.36	30	
tert-Butyl alcohol (TBA)	228		"	250		91.0	70-130		8.49	30	
tert-Butylbenzene	48.9		"	50.0		97.7	80-127		5.07	30	
Tetrachloroethylene	47.0		"	50.0		94.0	80-129		6.19	30	
Toluene	51.5		"	50.0		103	85-121		5.73	30	
trans-1,2-Dichloroethylene	55.2		"	50.0		110	72-132		5.15	30	
trans-1,3-Dichloropropylene	59.6		"	50.0		119	78-132		9.15	30	
Trichloroethylene	51.8		"	50.0		104	84-123		4.45	30	
Trichlorofluoromethane	56.1		"	50.0		112	62-140		2.80	30	
Vinyl acetate	67.0		"	50.0		134	67-136		14.1	30	
Vinyl Chloride	50.7		"	50.0		101	52-130		4.90	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.8		"	50.0		99.5	77-125				
Surrogate: SURR: Toluene-d8	46.6		"	50.0		93.3	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 BC23192 - EPA 5035A

LCS Dup (BC23192-BSD1)

Prepared & Analyzed: 03/30/2022

Surrogate: SURR: p-Bromofluorobenzene	47.6		ug/L	50.0		95.2	76-130				



Semivolatile 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 BC22722 - EPA 3510C

Blank (BC22722-BLK1)

Prepared: 03/23/2022 Analyzed: 03/25/2022

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"



Semivolatile 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 BC22722 - EPA 3510C

Blank (BC22722-BLK1)

Prepared: 03/23/2022 Analyzed: 03/25/2022

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	23.9		"	50.0		47.8	19.7-63.1				
Surrogate: SURR: Phenol-d5	13.0		"	50.0		26.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	28.8		"	25.0		115	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	21.4		"	25.0		85.8	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	35.1		"	50.0		70.2	39.3-151				
Surrogate: SURR: Terphenyl-d14	25.8		"	25.0		103	30.7-106				

Blank (BC22722-BLK2)

Prepared: 03/23/2022 Analyzed: 03/24/2022

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								



Semivolatile 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 BC22722 - EPA 3510C

Blank (BC22722-BLK2)

Prepared: 03/23/2022 Analyzed: 03/24/2022

Benzo(a)pyrene	ND	0.0500	ug/L
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
Chrysene	ND	0.0500	"
Dibenzo(a,h)anthracene	ND	0.0500	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Fluoranthene	ND	0.0500	"
Fluorene	ND	0.0500	"
Hexachlorobenzene	ND	0.0200	"
Hexachlorobutadiene	ND	0.500	"
Hexachlorocyclopentadiene	ND	10.0	"
Hexachloroethane	ND	0.500	"
Indeno(1,2,3-cd)pyrene	ND	0.0500	"
Isophorone	ND	5.00	"
Naphthalene	0.0700	0.0500	"
Nitrobenzene	ND	0.250	"
N-Nitrosodimethylamine	ND	0.500	"
N-nitroso-di-n-propylamine	ND	5.00	"
N-Nitrosodiphenylamine	ND	5.00	"
Pentachlorophenol	ND	0.250	"
Phenanthrene	ND	0.0500	"
Phenol	ND	5.00	"
Pyrene	ND	0.0500	"
Pyridine	ND	5.00	"

Surrogate: SURR: 2-Fluorophenol	0.00	"	50.0	19.7-63.1
Surrogate: SURR: Phenol-d5	0.00	"	50.0	10.1-41.7
Surrogate: SURR: Nitrobenzene-d5	0.00	"	25.0	50.2-113
Surrogate: SURR: 2-Fluorobiphenyl	0.00	"	25.0	39.9-105
Surrogate: SURR: 2,4,6-Tribromophenol	0.00	"	50.0	39.3-151
Surrogate: SURR: Terphenyl-d14	0.00	"	25.0	30.7-106



Semivolatile 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 BC22722 - EPA 3510C											
LCS (BC22722-BS1)						Prepared: 03/23/2022 Analyzed: 03/24/2022					
1,1-Biphenyl	17.9	5.00	ug/L	25.0		71.4	33-95				
1,2,4,5-Tetrachlorobenzene	16.5	5.00	"	25.0		66.0	26-120				
1,2,4-Trichlorobenzene	15.0	5.00	"	25.0		60.0	20-118				
1,2-Dichlorobenzene	16.4	5.00	"	25.0		65.7	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	22.9	5.00	"	25.0		91.7	16-141				
1,3-Dichlorobenzene	16.2	5.00	"	25.0		65.0	23-117				
1,4-Dichlorobenzene	16.0	5.00	"	25.0		64.2	30-105				
2,3,4,6-Tetrachlorophenol	21.7	5.00	"	25.0		86.8	30-130				
2,4,5-Trichlorophenol	17.1	5.00	"	25.0		68.4	32-114				
2,4,6-Trichlorophenol	18.8	5.00	"	25.0		75.2	35-118				
2,4-Dichlorophenol	17.1	5.00	"	25.0		68.5	25-116				
2,4-Dimethylphenol	15.2	5.00	"	25.0		60.7	15-116				
2,4-Dinitrophenol	27.1	5.00	"	25.0		109	10-170				
2,4-Dinitrotoluene	26.7	5.00	"	25.0		107	41-128				
2,6-Dinitrotoluene	25.5	5.00	"	25.0		102	45-116				
2-Chloronaphthalene	18.0	5.00	"	25.0		72.2	33-112				
2-Chlorophenol	16.6	5.00	"	25.0		66.3	15-120				
2-Methylnaphthalene	17.1	5.00	"	25.0		68.3	24-118				
2-Methylphenol	15.1	5.00	"	25.0		60.3	10-110				
2-Nitroaniline	23.7	5.00	"	25.0		94.8	34-129				
2-Nitrophenol	21.9	5.00	"	25.0		87.6	28-118				
3- & 4-Methylphenols	11.9	5.00	"	25.0		47.8	10-107				
3,3-Dichlorobenzidine	19.2	5.00	"	25.0		76.9	15-187				
3-Nitroaniline	19.5	5.00	"	25.0		77.9	24-134				
4,6-Dinitro-2-methylphenol	24.8	5.00	"	25.0		99.4	10-153				
4-Bromophenyl phenyl ether	13.6	5.00	"	25.0		54.6	34-120				
4-Chloro-3-methylphenol	19.7	5.00	"	25.0		78.6	20-120				
4-Chloroaniline	11.4	5.00	"	25.0		45.8	10-147				
4-Chlorophenyl phenyl ether	18.1	5.00	"	25.0		72.6	27-121				
4-Nitroaniline	21.7	5.00	"	25.0		86.6	13-134				
4-Nitrophenol	48.4	5.00	"	25.0		194	10-131	High Bias			
Acetophenone	18.2	5.00	"	25.0		72.8	25-110				
Aniline	13.6	5.00	"	25.0		54.6	10-117				
Benzaldehyde	17.9	5.00	"	25.0		71.6	29-117				
Benzoic acid	6.20	5.00	"	25.0		24.8	30-130	Low Bias			
Benzyl alcohol	14.4	5.00	"	25.0		57.7	10-117				
Benzyl butyl phthalate	24.8	5.00	"	25.0		99.4	29-133				
Bis(2-chloroethoxy)methane	18.1	5.00	"	25.0		72.5	10-154				
Bis(2-chloroethyl)ether	19.2	5.00	"	25.0		76.6	17-125				
Bis(2-chloroisopropyl)ether	23.1	5.00	"	25.0		92.6	10-139				
Caprolactam	3.91	5.00	"	25.0		15.6	10-137				
Carbazole	21.8	5.00	"	25.0		87.3	42-126				
Dibenzofuran	18.6	5.00	"	25.0		74.5	36-113				
Diethyl phthalate	23.0	5.00	"	25.0		92.1	38-115				
Dimethyl phthalate	31.1	5.00	"	25.0		124	38-129				
Di-n-butyl phthalate	24.3	5.00	"	25.0		97.2	31-120				
Di-n-octyl phthalate	25.4	5.00	"	25.0		102	21-149				
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias			
Isophorone	20.9	5.00	"	25.0		83.6	25-127				
N-nitroso-di-n-propylamine	22.1	5.00	"	25.0		88.3	26-122				
N-Nitrosodiphenylamine	17.8	5.00	"	25.0		71.4	23-149				



Semivolatile 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 BC22722 - EPA 3510C

LCS (BC22722-BS1)

Prepared: 03/23/2022 Analyzed: 03/24/2022

Phenol	6.50	5.00	ug/L	25.0		26.0	10-110				
Pyridine	16.8	5.00	"	25.5		65.8	10-90				
Surrogate: SURR: 2-Fluorophenol	22.1		"	50.0		44.1	19.7-63.1				
Surrogate: SURR: Phenol-d5	13.0		"	50.0		25.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	24.3		"	25.0		97.1	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.4		"	25.0		73.8	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	29.4		"	50.0		58.9	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.8		"	25.0		79.2	30.7-106				

LCS (BC22722-BS2)

Prepared: 03/23/2022 Analyzed: 03/24/2022

1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			20-118	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			29-111	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			23-117	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			30-105	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.830	0.0500	"	1.00		83.0	25-116				
Acenaphthylene	0.910	0.0500	"	1.00		91.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.590	0.0500	"	1.00		59.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.470	0.0500	"	1.00		47.0	33-125				
Benzo(a)pyrene	0.720	0.0500	"	1.00		72.0	32-132				
Benzo(b)fluoranthene	1.12	0.0500	"	1.00		112	22-137				
Benzo(g,h,i)perylene	1.19	0.0500	"	1.00		119	10-138				



Semivolatile 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 BC22722 - EPA 3510C

LCS (BC22722-BS2)

Prepared: 03/23/2022 Analyzed: 03/24/2022

Benzo(k)fluoranthene	1.03	0.0500	ug/L	1.00		103	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			
Bis(2-ethylhexyl)phthalate	0.820	0.500	"	1.00		82.0	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.820	0.0500	"	1.00		82.0	32-124				
Dibenzo(a,h)anthracene	1.20	0.0500	"	1.00		120	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Fluoranthene	0.990	0.0500	"	1.00		99.0	32-121				
Fluorene	0.950	0.0500	"	1.00		95.0	28-118				
Hexachlorobenzene	0.860	0.0200	"	1.00		86.0	23-124				
Hexachlorobutadiene	0.880	0.500	"	1.00		88.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	4.11	0.500	"	1.00		411	18-115	High Bias			
Indeno(1,2,3-cd)pyrene	1.04	0.0500	"	1.00		104	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.940	0.0500	"	1.00		94.0	18-120				
Nitrobenzene	1.00	0.250	"	1.00		100	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	0.500	0.250	"	1.00		50.0	10-156				
Phenanthrene	0.900	0.0500	"	1.00		90.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.610	0.0500	"	1.00		61.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC22722 - EPA 3510C											
LCS Dup (BC22722-BSD1)						Prepared: 03/23/2022 Analyzed: 03/24/2022					
1,1-Biphenyl	17.5	5.00	ug/L	25.0		69.9	33-95		2.15	20	
1,2,4,5-Tetrachlorobenzene	16.3	5.00	"	25.0		65.2	26-120		1.22	20	
1,2,4-Trichlorobenzene	14.6	5.00	"	25.0		58.4	20-118		2.70	20	
1,2-Dichlorobenzene	16.4	5.00	"	25.0		65.4	29-111		0.427	20	
1,2-Diphenylhydrazine (as Azobenzene)	23.3	5.00	"	25.0		93.4	16-141		1.82	20	
1,3-Dichlorobenzene	15.8	5.00	"	25.0		63.3	23-117		2.62	20	
1,4-Dichlorobenzene	16.4	5.00	"	25.0		65.7	30-105		2.34	20	
2,3,4,6-Tetrachlorophenol	26.0	5.00	"	25.0		104	30-130		17.8	20	
2,4,5-Trichlorophenol	16.6	5.00	"	25.0		66.6	32-114		2.67	20	
2,4,6-Trichlorophenol	18.3	5.00	"	25.0		73.2	35-118		2.64	20	
2,4-Dichlorophenol	16.8	5.00	"	25.0		67.1	25-116		2.01	20	
2,4-Dimethylphenol	14.9	5.00	"	25.0		59.5	15-116		2.00	20	
2,4-Dinitrophenol	26.8	5.00	"	25.0		107	10-170		1.26	20	
2,4-Dinitrotoluene	26.2	5.00	"	25.0		105	41-128		1.93	20	
2,6-Dinitrotoluene	24.6	5.00	"	25.0		98.4	45-116		3.71	20	
2-Chloronaphthalene	18.0	5.00	"	25.0		71.8	33-112		0.556	20	
2-Chlorophenol	16.3	5.00	"	25.0		65.1	15-120		1.83	20	
2-Methylnaphthalene	16.9	5.00	"	25.0		67.7	24-118		0.824	20	
2-Methylphenol	14.8	5.00	"	25.0		59.1	10-110		1.94	20	
2-Nitroaniline	23.4	5.00	"	25.0		93.5	34-129		1.32	20	
2-Nitrophenol	21.4	5.00	"	25.0		85.6	28-118		2.31	20	
3- & 4-Methylphenols	11.9	5.00	"	25.0		47.5	10-107		0.588	20	
3,3-Dichlorobenzidine	20.1	5.00	"	25.0		80.2	15-187		4.28	20	
3-Nitroaniline	18.2	5.00	"	25.0		72.7	24-134		6.90	20	
4,6-Dinitro-2-methylphenol	23.9	5.00	"	25.0		95.8	10-153		3.73	20	
4-Bromophenyl phenyl ether	12.8	5.00	"	25.0		51.4	34-120		6.04	20	
4-Chloro-3-methylphenol	19.5	5.00	"	25.0		78.2	20-120		0.612	20	
4-Chloroaniline	10.3	5.00	"	25.0		41.2	10-147		10.7	20	
4-Chlorophenyl phenyl ether	17.5	5.00	"	25.0		70.0	27-121		3.53	20	
4-Nitroaniline	21.7	5.00	"	25.0		86.8	13-134		0.185	20	
4-Nitrophenol	14.8	5.00	"	25.0		59.2	10-131		106	20	Non-dir.
Acetophenone	17.5	5.00	"	25.0		70.0	25-110		3.86	20	
Aniline	12.7	5.00	"	25.0		50.9	10-117		7.05	20	
Benzaldehyde	17.6	5.00	"	25.0		70.4	29-117		1.58	20	
Benzoic acid	5.77	5.00	"	25.0		23.1	30-130	Low Bias	7.18	20	
Benzyl alcohol	14.4	5.00	"	25.0		57.6	10-117		0.278	20	
Benzyl butyl phthalate	24.5	5.00	"	25.0		98.0	29-133		1.42	20	
Bis(2-chloroethoxy)methane	17.7	5.00	"	25.0		70.8	10-154		2.29	20	
Bis(2-chloroethyl)ether	19.0	5.00	"	25.0		75.8	17-125		1.10	20	
Bis(2-chloroisopropyl)ether	23.2	5.00	"	25.0		92.8	10-139		0.216	20	
Caprolactam	3.76	5.00	"	25.0		15.0	10-137		3.91	20	
Carbazole	21.4	5.00	"	25.0		85.4	42-126		2.18	20	
Dibenzofuran	18.6	5.00	"	25.0		74.2	36-113		0.377	20	
Diethyl phthalate	22.2	5.00	"	25.0		88.9	38-115		3.49	20	
Dimethyl phthalate	29.2	5.00	"	25.0		117	38-129		6.10	20	
Di-n-butyl phthalate	23.6	5.00	"	25.0		94.3	31-120		3.05	20	
Di-n-octyl phthalate	24.9	5.00	"	25.0		99.7	21-149		1.91	20	
Hexachlorocyclopentadiene	ND	10.0	"	25.0			10-130	Low Bias		20	
Isophorone	20.3	5.00	"	25.0		81.4	25-127		2.76	20	
N-nitroso-di-n-propylamine	22.0	5.00	"	25.0		88.1	26-122		0.181	20	
N-Nitrosodiphenylamine	17.4	5.00	"	25.0		69.8	23-149		2.27	20	



Semivolatile 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 BC22722 - EPA 3510C

LCS Dup (BC22722-BSD1)

Prepared: 03/23/2022 Analyzed: 03/24/2022

Phenol	6.34	5.00	ug/L	25.0		25.4	10-110		2.49	20	
Pyridine	16.1	5.00	"	25.5		63.2	10-90		4.07	20	
Surrogate: SURR: 2-Fluorophenol	20.8		"	50.0		41.7	19.7-63.1				
Surrogate: SURR: Phenol-d5	12.2		"	50.0		24.4	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	23.1		"	25.0		92.3	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.7		"	25.0		70.7	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	27.2		"	50.0		54.5	39.3-151				
Surrogate: SURR: Terphenyl-d14	18.3		"	25.0		73.3	30.7-106				

Batch BC22851 - EPA 3550C

Blank (BC22851-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2,4-Trichlorobenzene	ND	0.0416	"
1,2-Dichlorobenzene	ND	0.0416	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
1,3-Dichlorobenzene	ND	0.0416	"
1,4-Dichlorobenzene	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"



Semivolatile 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 BC22851 - EPA 3550C

Blank (BC22851-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.11		"	1.66		67.0	20-108				
Surrogate: SURR: Phenol-d5	1.06		"	1.66		64.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.528		"	0.831		63.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.551		"	0.831		66.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.07		"	1.66		64.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.565		"	0.831		68.0	24-116				



Semivolatile 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 BC22851 - EPA 3550C											
LCS (BC22851-BS1)						Prepared: 03/24/2022 Analyzed: 03/25/2022					
1,1-Biphenyl	0.597	0.0416	mg/kg wet	0.831		71.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.613	0.0830	"	0.831		73.8	21-131				
1,2,4-Trichlorobenzene	0.506	0.0416	"	0.831		60.9	10-140				
1,2-Dichlorobenzene	0.515	0.0416	"	0.831		62.0	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.564	0.0416	"	0.831		67.9	17-137				
1,3-Dichlorobenzene	0.525	0.0416	"	0.831		63.2	33-110				
1,4-Dichlorobenzene	0.503	0.0416	"	0.831		60.6	32-104				
2,3,4,6-Tetrachlorophenol	0.620	0.0830	"	0.831		74.6	30-130				
2,4,5-Trichlorophenol	0.574	0.0416	"	0.831		69.1	27-118				
2,4,6-Trichlorophenol	0.554	0.0416	"	0.831		66.7	31-120				
2,4-Dichlorophenol	0.561	0.0416	"	0.831		67.5	20-127				
2,4-Dimethylphenol	0.579	0.0416	"	0.831		69.7	14-132				
2,4-Dinitrophenol	0.624	0.0830	"	0.831		75.2	10-171				
2,4-Dinitrotoluene	0.598	0.0416	"	0.831		72.0	34-131				
2,6-Dinitrotoluene	0.583	0.0416	"	0.831		70.2	31-128				
2-Chloronaphthalene	0.544	0.0416	"	0.831		65.5	31-117				
2-Chlorophenol	0.552	0.0416	"	0.831		66.5	33-113				
2-Methylnaphthalene	0.522	0.0416	"	0.831		62.8	12-138				
2-Methylphenol	0.566	0.0416	"	0.831		68.1	10-136				
2-Nitroaniline	0.561	0.0830	"	0.831		67.5	27-132				
2-Nitrophenol	0.529	0.0416	"	0.831		63.6	17-129				
3- & 4-Methylphenols	0.505	0.0416	"	0.831		60.8	29-103				
3,3-Dichlorobenzidine	0.608	0.0416	"	0.831		73.2	22-149				
3-Nitroaniline	0.543	0.0830	"	0.831		65.4	20-133				
4,6-Dinitro-2-methylphenol	0.608	0.0830	"	0.831		73.2	10-143				
4-Bromophenyl phenyl ether	0.550	0.0416	"	0.831		66.2	29-120				
4-Chloro-3-methylphenol	0.586	0.0416	"	0.831		70.6	24-129				
4-Chloroaniline	0.384	0.0416	"	0.831		46.2	10-132				
4-Chlorophenyl phenyl ether	0.546	0.0416	"	0.831		65.7	27-124				
4-Nitroaniline	0.510	0.0830	"	0.831		61.4	16-128				
4-Nitrophenol	0.560	0.0830	"	0.831		67.4	10-141				
Acenaphthene	0.560	0.0416	"	0.831		67.4	30-121				
Acenaphthylene	0.514	0.0416	"	0.831		61.9	30-115				
Acetophenone	0.586	0.0416	"	0.831		70.5	20-112				
Aniline	0.578	0.166	"	0.831		69.6	10-119				
Anthracene	0.575	0.0416	"	0.831		69.2	34-118				
Atrazine	0.661	0.0416	"	0.831		79.6	26-112				
Benzaldehyde	0.563	0.0416	"	0.831		67.8	21-100				
Benzo(a)anthracene	0.552	0.0416	"	0.831		66.4	32-122				
Benzo(a)pyrene	0.484	0.0416	"	0.831		58.2	29-133				
Benzo(b)fluoranthene	0.508	0.0416	"	0.831		61.1	25-133				
Benzo(g,h,i)perylene	0.539	0.0416	"	0.831		64.9	10-143				
Benzo(k)fluoranthene	0.524	0.0416	"	0.831		63.1	25-128				
Benzoic acid	0.544	0.0416	"	0.831		65.4	10-140				
Benzyl alcohol	0.530	0.0416	"	0.831		63.8	30-115				
Benzyl butyl phthalate	0.603	0.0416	"	0.831		72.6	26-126				
Bis(2-chloroethoxy)methane	0.536	0.0416	"	0.831		64.6	19-132				
Bis(2-chloroethyl)ether	0.512	0.0416	"	0.831		61.6	19-125				
Bis(2-chloroisopropyl)ether	0.588	0.0416	"	0.831		70.8	20-135				
Bis(2-ethylhexyl)phthalate	0.612	0.0416	"	0.831		73.7	10-155				
Caprolactam	0.601	0.0830	"	0.831		72.3	10-127				



Semivolatile 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 BC22851 - EPA 3550C

LCS (BC22851-BS1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

Carbazole	0.551	0.0416	mg/kg wet	0.831		66.4	35-123				
Chrysene	0.532	0.0416	"	0.831		64.0	32-123				
Dibenzo(a,h)anthracene	0.572	0.0416	"	0.831		68.9	10-136				
Dibenzofuran	0.544	0.0416	"	0.831		65.4	29-121				
Diethyl phthalate	0.541	0.0416	"	0.831		65.2	34-116				
Dimethyl phthalate	0.550	0.0416	"	0.831		66.2	35-124				
Di-n-butyl phthalate	0.554	0.0416	"	0.831		66.8	31-116				
Di-n-octyl phthalate	0.559	0.0416	"	0.831		67.3	26-136				
Fluoranthene	0.545	0.0416	"	0.831		65.6	33-122				
Fluorene	0.558	0.0416	"	0.831		67.2	29-123				
Hexachlorobenzene	0.576	0.0416	"	0.831		69.4	21-124				
Hexachlorobutadiene	0.523	0.0416	"	0.831		63.0	10-149				
Hexachlorocyclopentadiene	0.645	0.0416	"	0.831		77.6	10-129				
Hexachloroethane	0.567	0.0416	"	0.831		68.2	28-108				
Indeno(1,2,3-cd)pyrene	0.504	0.0416	"	0.831		60.7	10-135				
Isophorone	0.574	0.0416	"	0.831		69.2	20-132				
Naphthalene	0.530	0.0416	"	0.831		63.8	23-124				
Nitrobenzene	0.548	0.0416	"	0.831		65.9	13-132				
N-Nitrosodimethylamine	0.531	0.0416	"	0.831		63.9	11-129				
N-nitroso-di-n-propylamine	0.517	0.0416	"	0.831		62.2	24-119				
N-Nitrosodiphenylamine	0.629	0.0416	"	0.831		75.7	22-152				
Pentachlorophenol	0.597	0.0416	"	0.831		71.9	10-139				
Phenanthrene	0.547	0.0416	"	0.831		65.8	33-123				
Phenol	0.557	0.0416	"	0.831		67.1	23-115				
Pyrene	0.586	0.0416	"	0.831		70.6	24-130				
Pyridine	0.459	0.166	"	0.831		55.3	10-91				
Surrogate: SURR: 2-Fluorophenol	1.21		"	1.66		73.0	20-108				
Surrogate: SURR: Phenol-d5	1.14		"	1.66		68.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.538		"	0.831		64.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.552		"	0.831		66.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.19		"	1.66		71.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.610		"	0.831		73.4	24-116				



Semivolatile 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 BC22851 - EPA 3550C											
Matrix Spike (BC22851-MS1)		*Source sample: 22C1167-04 (Matrix Spike)						Prepared: 03/24/2022 Analyzed: 03/25/2022			
1,1-Biphenyl	0.705	0.0837	mg/kg dry	0.837	ND	84.2	10-130				
1,2,4,5-Tetrachlorobenzene	0.692	0.167	"	0.837	ND	82.7	10-133				
1,2,4-Trichlorobenzene	0.590	0.0837	"	0.837	ND	70.5	10-127				
1,2-Dichlorobenzene	0.578	0.0837	"	0.837	ND	69.0	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.656	0.0837	"	0.837	ND	78.4	10-144				
1,3-Dichlorobenzene	0.580	0.0837	"	0.837	ND	69.3	11-111				
1,4-Dichlorobenzene	0.583	0.0837	"	0.837	ND	69.7	10-106				
2,3,4,6-Tetrachlorophenol	0.578	0.167	"	0.837	ND	69.0	30-130				
2,4,5-Trichlorophenol	0.634	0.0837	"	0.837	ND	75.8	10-127				
2,4,6-Trichlorophenol	0.614	0.0837	"	0.837	ND	73.4	10-132				
2,4-Dichlorophenol	0.632	0.0837	"	0.837	ND	75.6	10-128				
2,4-Dimethylphenol	0.572	0.0837	"	0.837	ND	68.4	10-137				
2,4-Dinitrophenol	0.201	0.167	"	0.837	ND	24.0	10-171				
2,4-Dinitrotoluene	0.612	0.0837	"	0.837	ND	73.1	16-135				
2,6-Dinitrotoluene	0.659	0.0837	"	0.837	ND	78.8	18-131				
2-Chloronaphthalene	0.620	0.0837	"	0.837	ND	74.1	10-129				
2-Chlorophenol	0.590	0.0837	"	0.837	ND	70.6	15-116				
2-Methylnaphthalene	0.606	0.0837	"	0.837	ND	72.5	10-147				
2-Methylphenol	0.591	0.0837	"	0.837	ND	70.6	10-136				
2-Nitroaniline	0.641	0.167	"	0.837	ND	76.6	10-137				
2-Nitrophenol	0.586	0.0837	"	0.837	ND	70.0	10-129				
3- & 4-Methylphenols	0.549	0.0837	"	0.837	ND	65.6	10-123				
3,3-Dichlorobenzidine	0.620	0.0837	"	0.837	ND	74.1	10-155				
3-Nitroaniline	0.621	0.167	"	0.837	ND	74.2	12-133				
4,6-Dinitro-2-methylphenol	0.432	0.167	"	0.837	ND	51.6	10-155				
4-Bromophenyl phenyl ether	0.592	0.0837	"	0.837	ND	70.8	14-128				
4-Chloro-3-methylphenol	0.640	0.0837	"	0.837	ND	76.5	10-134				
4-Chloroaniline	0.476	0.0837	"	0.837	ND	56.9	10-145				
4-Chlorophenyl phenyl ether	0.610	0.0837	"	0.837	ND	73.0	14-130				
4-Nitroaniline	0.598	0.167	"	0.837	ND	71.4	10-147				
4-Nitrophenol	0.583	0.167	"	0.837	ND	69.7	10-137				
Acenaphthene	0.645	0.0837	"	0.837	ND	77.1	10-146				
Acenaphthylene	0.598	0.0837	"	0.837	ND	71.5	10-134				
Acetophenone	0.659	0.0837	"	0.837	ND	78.7	10-116				
Aniline	0.576	0.335	"	0.837	ND	68.9	10-123				
Anthracene	0.659	0.0837	"	0.837	ND	78.8	10-142				
Atrazine	0.738	0.0837	"	0.837	ND	88.2	19-115				
Benzaldehyde	0.645	0.0837	"	0.837	ND	77.1	10-125				
Benzo(a)anthracene	0.638	0.0837	"	0.837	ND	76.2	10-158				
Benzo(a)pyrene	0.594	0.0837	"	0.837	ND	71.0	10-180				
Benzo(b)fluoranthene	0.610	0.0837	"	0.837	ND	73.0	10-200				
Benzo(g,h,i)perylene	0.610	0.0837	"	0.837	ND	73.0	10-138				
Benzo(k)fluoranthene	0.632	0.0837	"	0.837	ND	75.5	10-197				
Benzoic acid	1.64	0.0837	"	0.837	ND	195	10-166	High Bias			
Benzyl alcohol	0.596	0.0837	"	0.837	ND	71.2	12-124				
Benzyl butyl phthalate	0.655	0.0837	"	0.837	ND	78.2	10-154				
Bis(2-chloroethoxy)methane	0.645	0.0837	"	0.837	ND	77.0	10-132				
Bis(2-chloroethyl)ether	0.601	0.0837	"	0.837	ND	71.8	10-119				
Bis(2-chloroisopropyl)ether	0.620	0.0837	"	0.837	ND	74.1	10-139				
Bis(2-ethylhexyl)phthalate	0.685	0.0837	"	0.837	ND	81.9	10-167				
Caprolactam	0.681	0.167	"	0.837	ND	81.4	10-132				



Semivolatile 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 BC22851 - EPA 3550C

Matrix Spike (BC22851-MS1)		*Source sample: 22C1167-04 (Matrix Spike)						Prepared: 03/24/2022 Analyzed: 03/25/2022			
Carbazole	0.632	0.0837	mg/kg dry	0.837	ND	75.5	10-167				
Chrysene	0.626	0.0837	"	0.837	ND	74.9	10-156				
Dibenzo(a,h)anthracene	0.658	0.0837	"	0.837	ND	78.6	10-137				
Dibenzofuran	0.619	0.0837	"	0.837	ND	74.0	10-147				
Diethyl phthalate	0.601	0.0837	"	0.837	ND	71.8	20-120				
Dimethyl phthalate	0.618	0.0837	"	0.837	ND	73.9	18-131				
Di-n-butyl phthalate	0.624	0.0837	"	0.837	ND	74.6	10-137				
Di-n-octyl phthalate	0.609	0.0837	"	0.837	ND	72.8	10-180				
Fluoranthene	0.643	0.0837	"	0.837	ND	76.8	10-160				
Fluorene	0.632	0.0837	"	0.837	ND	75.5	10-157				
Hexachlorobenzene	0.669	0.0837	"	0.837	ND	79.9	10-137				
Hexachlorobutadiene	0.606	0.0837	"	0.837	ND	72.5	10-132				
Hexachlorocyclopentadiene	0.709	0.0837	"	0.837	ND	84.8	10-106				
Hexachloroethane	0.599	0.0837	"	0.837	ND	71.6	10-110				
Indeno(1,2,3-cd)pyrene	0.562	0.0837	"	0.837	ND	67.2	10-144				
Isophorone	0.638	0.0837	"	0.837	ND	76.2	10-132				
Naphthalene	0.616	0.0837	"	0.837	ND	73.6	10-141				
Nitrobenzene	0.614	0.0837	"	0.837	ND	73.4	10-131				
N-Nitrosodimethylamine	0.617	0.0837	"	0.837	ND	73.8	10-126				
N-nitroso-di-n-propylamine	0.568	0.0837	"	0.837	ND	67.8	10-125				
N-Nitrosodiphenylamine	0.749	0.0837	"	0.837	ND	89.5	10-177				
Pentachlorophenol	0.279	0.0837	"	0.837	ND	33.4	10-153				
Phenanthrene	0.613	0.0837	"	0.837	ND	73.3	10-148				
Phenol	0.653	0.0837	"	0.837	ND	78.1	10-126				
Pyrene	0.656	0.0837	"	0.837	ND	78.4	10-165				
Pyridine	0.514	0.335	"	0.837	ND	61.4	10-83				
Surrogate: SURR: 2-Fluorophenol	1.39		"	1.67		82.8	20-108				
Surrogate: SURR: Phenol-d5	1.30		"	1.67		77.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.665		"	0.837		79.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.659		"	0.837		78.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.29		"	1.67		77.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.662		"	0.837		79.1	24-116				



Semivolatile 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 BC22851 - EPA 3550C											
Matrix Spike Dup (BC22851-MSD1)	*Source sample: 22C1167-04 (Matrix Spike Dup)						Prepared: 03/24/2022 Analyzed: 03/25/2022				
1,1-Biphenyl	0.804	0.0837	mg/kg dry	0.837	ND	96.1	10-130		13.1	30	
1,2,4,5-Tetrachlorobenzene	0.776	0.167	"	0.837	ND	92.7	10-133		11.4	30	
1,2,4-Trichlorobenzene	0.618	0.0837	"	0.837	ND	73.9	10-127		4.76	30	
1,2-Dichlorobenzene	0.632	0.0837	"	0.837	ND	75.6	14-111		9.07	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.743	0.0837	"	0.837	ND	88.8	10-144		12.4	30	
1,3-Dichlorobenzene	0.628	0.0837	"	0.837	ND	75.0	11-111		7.98	30	
1,4-Dichlorobenzene	0.604	0.0837	"	0.837	ND	72.2	10-106		3.50	30	
2,3,4,6-Tetrachlorophenol	0.624	0.167	"	0.837	ND	74.6	30-130		7.80	30	
2,4,5-Trichlorophenol	0.707	0.0837	"	0.837	ND	84.5	10-127		10.8	30	
2,4,6-Trichlorophenol	0.653	0.0837	"	0.837	ND	78.1	10-132		6.12	30	
2,4-Dichlorophenol	0.713	0.0837	"	0.837	ND	85.2	10-128		11.9	30	
2,4-Dimethylphenol	0.634	0.0837	"	0.837	ND	75.8	10-137		10.2	30	
2,4-Dinitrophenol	0.187	0.167	"	0.837	ND	22.4	10-171		6.90	30	
2,4-Dinitrotoluene	0.752	0.0837	"	0.837	ND	89.9	16-135		20.6	30	
2,6-Dinitrotoluene	0.750	0.0837	"	0.837	ND	89.6	18-131		12.8	30	
2-Chloronaphthalene	0.702	0.0837	"	0.837	ND	83.9	10-129		12.5	30	
2-Chlorophenol	0.633	0.0837	"	0.837	ND	75.7	15-116		7.00	30	
2-Methylnaphthalene	0.703	0.0837	"	0.837	ND	84.0	10-147		14.7	30	
2-Methylphenol	0.669	0.0837	"	0.837	ND	79.9	10-136		12.3	30	
2-Nitroaniline	0.736	0.167	"	0.837	ND	88.0	10-137		13.8	30	
2-Nitrophenol	0.644	0.0837	"	0.837	ND	77.0	10-129		9.47	30	
3- & 4-Methylphenols	0.620	0.0837	"	0.837	ND	74.1	10-123		12.1	30	
3,3-Dichlorobenzidine	0.684	0.0837	"	0.837	ND	81.8	10-155		9.86	30	
3-Nitroaniline	0.713	0.167	"	0.837	ND	85.2	12-133		13.7	30	
4,6-Dinitro-2-methylphenol	0.471	0.167	"	0.837	ND	56.2	10-155		8.61	30	
4-Bromophenyl phenyl ether	0.713	0.0837	"	0.837	ND	85.2	14-128		18.5	30	
4-Chloro-3-methylphenol	0.747	0.0837	"	0.837	ND	89.3	10-134		15.4	30	
4-Chloroaniline	0.499	0.0837	"	0.837	ND	59.6	10-145		4.67	30	
4-Chlorophenyl phenyl ether	0.701	0.0837	"	0.837	ND	83.8	14-130		13.8	30	
4-Nitroaniline	0.650	0.167	"	0.837	ND	77.7	10-147		8.37	30	
4-Nitrophenol	0.682	0.167	"	0.837	ND	81.5	10-137		15.7	30	
Acenaphthene	0.701	0.0837	"	0.837	ND	83.8	10-146		8.35	30	
Acenaphthylene	0.668	0.0837	"	0.837	ND	79.8	10-134		11.0	30	
Acetophenone	0.739	0.0837	"	0.837	ND	88.3	10-116		11.5	30	
Aniline	0.677	0.335	"	0.837	ND	80.9	10-123		16.0	30	
Anthracene	0.733	0.0837	"	0.837	ND	87.6	10-142		10.6	30	
Atrazine	0.851	0.0837	"	0.837	ND	102	19-115		14.2	30	
Benzaldehyde	0.712	0.0837	"	0.837	ND	85.1	10-125		9.86	30	
Benzo(a)anthracene	0.711	0.0837	"	0.837	ND	85.0	10-158		10.9	30	
Benzo(a)pyrene	0.633	0.0837	"	0.837	ND	75.7	10-180		6.44	30	
Benzo(b)fluoranthene	0.670	0.0837	"	0.837	ND	80.1	10-200		9.30	30	
Benzo(g,h,i)perylene	0.686	0.0837	"	0.837	ND	82.0	10-138		11.7	30	
Benzo(k)fluoranthene	0.702	0.0837	"	0.837	ND	83.9	10-197		10.5	30	
Benzoic acid	1.85	0.0837	"	0.837	ND	221	10-166	High Bias	12.4	30	
Benzyl alcohol	0.660	0.0837	"	0.837	ND	78.9	12-124		10.2	30	
Benzyl butyl phthalate	0.760	0.0837	"	0.837	ND	90.8	10-154		14.9	30	
Bis(2-chloroethoxy)methane	0.701	0.0837	"	0.837	ND	83.8	10-132		8.45	30	
Bis(2-chloroethyl)ether	0.638	0.0837	"	0.837	ND	76.3	10-119		6.05	30	
Bis(2-chloroisopropyl)ether	0.687	0.0837	"	0.837	ND	82.2	10-139		10.3	30	
Bis(2-ethylhexyl)phthalate	0.760	0.0837	"	0.837	ND	90.8	10-167		10.3	30	
Caprolactam	0.723	0.167	"	0.837	ND	86.5	10-132		6.10	30	



Semivolatile 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 BC22851 - EPA 3550C

Matrix Spike Dup (BC22851-MSD1)		*Source sample: 22C1167-04 (Matrix Spike Dup)					Prepared: 03/24/2022 Analyzed: 03/25/2022				
Carbazole	0.689	0.0837	mg/kg dry	0.837	ND	82.3	10-167		8.62	30	
Chrysene	0.713	0.0837	"	0.837	ND	85.3	10-156		13.0	30	
Dibenzo(a,h)anthracene	0.710	0.0837	"	0.837	ND	84.9	10-137		7.63	30	
Dibenzofuran	0.689	0.0837	"	0.837	ND	82.3	10-147		10.6	30	
Diethyl phthalate	0.719	0.0837	"	0.837	ND	86.0	20-120		17.9	30	
Dimethyl phthalate	0.703	0.0837	"	0.837	ND	84.1	18-131		12.9	30	
Di-n-butyl phthalate	0.703	0.0837	"	0.837	ND	84.1	10-137		11.9	30	
Di-n-octyl phthalate	0.695	0.0837	"	0.837	ND	83.0	10-180		13.1	30	
Fluoranthene	0.711	0.0837	"	0.837	ND	85.0	10-160		10.1	30	
Fluorene	0.735	0.0837	"	0.837	ND	87.8	10-157		15.1	30	
Hexachlorobenzene	0.703	0.0837	"	0.837	ND	84.0	10-137		4.98	30	
Hexachlorobutadiene	0.692	0.0837	"	0.837	ND	82.7	10-132		13.2	30	
Hexachlorocyclopentadiene	0.794	0.0837	"	0.837	ND	94.9	10-106		11.2	30	
Hexachloroethane	0.705	0.0837	"	0.837	ND	84.2	10-110		16.2	30	
Indeno(1,2,3-cd)pyrene	0.615	0.0837	"	0.837	ND	73.5	10-144		8.98	30	
Isophorone	0.727	0.0837	"	0.837	ND	86.9	10-132		13.0	30	
Naphthalene	0.694	0.0837	"	0.837	ND	83.0	10-141		12.0	30	
Nitrobenzene	0.691	0.0837	"	0.837	ND	82.6	10-131		11.8	30	
N-Nitrosodimethylamine	0.632	0.0837	"	0.837	ND	75.5	10-126		2.36	30	
N-nitroso-di-n-propylamine	0.640	0.0837	"	0.837	ND	76.5	10-125		12.0	30	
N-Nitrosodiphenylamine	0.781	0.0837	"	0.837	ND	93.4	10-177		4.20	30	
Pentachlorophenol	0.361	0.0837	"	0.837	ND	43.1	10-153		25.5	30	
Phenanthrene	0.689	0.0837	"	0.837	ND	82.3	10-148		11.6	30	
Phenol	0.718	0.0837	"	0.837	ND	85.8	10-126		9.47	30	
Pyrene	0.723	0.0837	"	0.837	ND	86.4	10-165		9.71	30	
Pyridine	0.561	0.335	"	0.837	ND	67.0	10-83		8.72	30	
Surrogate: SURR: 2-Fluorophenol	1.46		"	1.67		87.2	20-108				
Surrogate: SURR: Phenol-d5	1.41		"	1.67		84.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.707		"	0.837		84.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.746		"	0.837		89.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.45		"	1.67		86.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.762		"	0.837		91.1	24-116				



Metals by ICP - 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 BC22743 - EPA 3015A

Blank (BC22743-BLK1)

Prepared & Analyzed: 03/23/2022

Arsenic	ND	0.017	mg/L
Barium	ND	0.028	"
Cadmium	ND	0.003	"
Chromium	ND	0.006	"
Lead	ND	0.006	"
Selenium	ND	0.028	"
Silver	ND	0.006	"

LCS (BC22743-BS1)

Prepared & Analyzed: 03/23/2022

Arsenic	1.88	mg/L	2.00	94.1	80-120
Barium	2.06	"	2.00	103	80-120
Cadmium	0.050	"	0.0500	99.0	80-120
Chromium	0.198	"	0.200	99.0	80-120
Lead	0.542	"	0.500	108	80-120
Selenium	1.58	"	2.00	78.9	80-120 Low Bias
Silver	0.050	"	0.0500	101	80-120

Duplicate (BC22743-DUP1)

*Source sample: 22C1166-06 (GW002)

Prepared & Analyzed: 03/23/2022

Arsenic	ND	0.017	mg/L	ND	20
Barium	4.76	0.028	"	4.92	3.34 20
Cadmium	ND	0.003	"	ND	20
Chromium	0.284	0.006	"	0.282	0.945 20
Lead	0.326	0.006	"	0.334	2.67 20
Selenium	ND	0.028	"	ND	20
Silver	ND	0.006	"	ND	20

Matrix Spike (BC22743-MS1)

*Source sample: 22C1166-06 (GW002)

Prepared & Analyzed: 03/23/2022

Arsenic	2.18	0.017	mg/L	2.22	ND	98.3	75-125
Barium	7.04	0.028	"	2.22	4.92	95.4	75-125
Cadmium	0.054	0.003	"	0.0556	ND	97.7	75-125
Chromium	0.530	0.006	"	0.222	0.282	112	75-125
Lead	0.906	0.006	"	0.556	0.334	103	75-125
Selenium	1.19	0.028	"	2.22	ND	53.7	75-125 Low Bias
Silver	0.043	0.006	"	0.0556	ND	77.5	75-125



Metals by ICP - 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 BC22743 - EPA 3015A

Post Spike (BC22743-PS1)		*Source sample: 22C1166-06 (GW002)					Prepared & Analyzed: 03/23/2022				
Arsenic	2.09		mg/L	2.00	-0.021	105	75-125				
Barium	6.45		"	2.00	4.43	101	75-125				
Cadmium	0.053		"	0.0500	-0.0005	107	75-125				
Chromium	0.455		"	0.200	0.253	101	75-125				
Lead	0.843		"	0.500	0.301	108	75-125				
Selenium	1.23		"	2.00	-0.544	61.3	75-125	Low Bias			
Silver	0.042		"	0.0500	-0.007	83.9	75-125				

Batch BC22860 - EPA 3050B

Blank (BC22860-BLK1)		Prepared: 03/24/2022 Analyzed: 03/25/2022									
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	1.86	1.00	"								
Potassium	8.45	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								



Metals by ICP - 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 BC22860 - EPA 3050B

Duplicate (BC22860-DUP1)		*Source sample: 22C1315-01 (Duplicate)					Prepared: 03/24/2022 Analyzed: 03/25/2022				
Aluminum	6830	5.33	mg/kg dry		6680				2.20	35	
Antimony	ND	2.67	"		3.56					35	
Arsenic	6.08	1.60	"		6.39				4.97	35	
Barium	177	2.67	"		145				19.8	35	
Beryllium	ND	0.053	"		ND					35	
Cadmium	0.487	0.320	"		ND					35	
Calcium	5600	5.33	"		6810				19.5	35	
Chromium	36.0	0.533	"		22.1				47.9	35	Non-dir.
Cobalt	8.58	0.427	"		7.03				19.9	35	
Copper	78.3	2.13	"		60.8				25.2	35	
Iron	18400	26.7	"		20600				11.1	35	
Lead	223	0.533	"		241				7.59	35	
Magnesium	2390	5.33	"		2020				16.8	35	
Manganese	221	0.533	"		266				18.6	35	
Nickel	23.3	1.07	"		21.7				7.11	35	
Potassium	1190	5.33	"		885				29.1	35	
Selenium	ND	2.67	"		ND					35	
Silver	ND	0.533	"		ND					35	
Sodium	456	53.3	"		443				2.90	35	
Thallium	ND	2.67	"		ND					35	
Vanadium	36.5	1.07	"		29.2				22.2	35	
Zinc	343	2.67	"		225				41.4	35	Non-dir.

Matrix Spike (BC22860-MS1)		*Source sample: 22C1315-01 (Matrix Spike)					Prepared: 03/24/2022 Analyzed: 03/25/2022				
Aluminum	6920	5.33	mg/kg dry	213	6680	116	75-125				
Antimony	9.73	2.67	"	26.7	3.56	23.1	75-125	Low Bias			
Arsenic	215	1.60	"	213	6.39	97.7	75-125				
Barium	506	2.67	"	213	145	169	75-125	High Bias			
Beryllium	5.24	0.053	"	5.33	ND	98.2	75-125				
Cadmium	5.91	0.320	"	5.33	ND	111	75-125				
Calcium	9970	5.33	"	107	6810	NR	75-125	High Bias			
Chromium	50.4	0.533	"	21.3	22.1	133	75-125	High Bias			
Cobalt	63.4	0.427	"	53.3	7.03	106	75-125				
Copper	91.6	2.13	"	26.7	60.8	115	75-125				
Iron	15600	26.7	"	107	20600	NR	75-125	Low Bias			
Lead	284	0.533	"	53.3	241	81.2	75-125				
Magnesium	2450	5.33	"	107	2020	407	75-125	High Bias			
Manganese	256	0.533	"	53.3	266	NR	75-125	Low Bias			
Nickel	76.0	1.07	"	53.3	21.7	102	75-125				
Potassium	1030	5.33	"	107	885	132	75-125	High Bias			
Selenium	159	2.67	"	213	ND	74.6	75-125	Low Bias			
Silver	5.07	0.533	"	5.33	ND	95.1	75-125				
Sodium	603	53.3	"	107	443	149	75-125	High Bias			
Thallium	200	2.67	"	213	ND	94.0	75-125				
Vanadium	81.4	1.07	"	53.3	29.2	97.8	75-125				
Zinc	337	2.67	"	53.3	225	209	75-125	High Bias			



Metals by ICP - 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 BC22860 - EPA 3050B

Reference (BC22860-SRM1)						Prepared: 03/24/2022 Analyzed: 03/25/2022					
Aluminum	8670	5.00	mg/kg wet	10100		85.8	39.5-118.8				
Antimony	68.1	2.50	"	244		27.9	10-123				
Arsenic	101	1.50	"	109		92.2	63.7-118.3				
Barium	376	2.50	"	364		103	70.3-117				
Beryllium	53.5	0.050	"	57.0		93.9	69.3-115.4				
Cadmium	46.9	0.300	"	48.7		96.3	67.8-112.9				
Calcium	4990	5.00	"	5190		96.1	66.3-116.6				
Chromium	162	0.500	"	173		93.6	65.3-120.8				
Cobalt	150	0.400	"	148		101	70.3-117.6				
Copper	188	2.00	"	179		105	70.9-117.9				
Iron	14800	25.0	"	15000		98.6	36.8-162.7				
Lead	101	0.500	"	101		100	69.1-126.7				
Magnesium	2470	5.00	"	2570		96.0	56.4-124.9				
Manganese	417	0.500	"	370		113	72.2-119.2				
Nickel	65.8	1.00	"	52.2		126	63.4-117.8	High Bias			
Potassium	2080	5.00	"	2420		85.9	49.6-118.6				
Selenium	61.3	2.50	"	104		58.9	58.5-122.1				
Silver	27.9	0.500	"	29.9		93.4	63.5-123.7				
Sodium	128	50.0	"	161		79.6	30.1-139.1				
Thallium	86.7	2.50	"	101		85.8	59.8-120.8				
Vanadium	180	1.00	"	194		92.8	73.2-117				
Zinc	429	2.50	"	431		99.5	74.9-121.1				



Metals by ICP/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 BC22747 - EPA 3015A

Blank (BC22747-BLK1)

Prepared & Analyzed: 03/23/2022

Arsenic - Dissolved	ND	1.11	ug/L
Barium - Dissolved	ND	1.11	"
Cadmium - Dissolved	ND	0.556	"
Chromium - Dissolved	ND	1.11	"
Lead - Dissolved	ND	1.11	"
Selenium - Dissolved	ND	1.11	"
Silver - Dissolved	ND	1.11	"

LCS (BC22747-BS1)

Prepared & Analyzed: 03/23/2022

Arsenic - Dissolved	0.050		ug/mL	0.0500	101	80-120
Barium - Dissolved	0.051		"	0.0500	102	80-120
Cadmium - Dissolved	0.057		"	0.0500	114	80-120
Chromium - Dissolved	0.051		"	0.0500	102	80-120
Lead - Dissolved	0.042		"	0.0500	85.0	80-120
Selenium - Dissolved	0.059		"	0.0500	118	80-120
Silver - Dissolved	0.067		"	0.0500	133	80-120 High Bias

Duplicate (BC22747-DUP1)

*Source sample: 22C0965-05 (Duplicate)

Prepared & Analyzed: 03/23/2022

Arsenic - Dissolved	ND	1.11	ug/L	ND		20
Barium - Dissolved	43.5	1.11	"	43.0	1.17	20
Cadmium - Dissolved	ND	0.556	"	ND		20
Chromium - Dissolved	ND	1.11	"	ND		20
Lead - Dissolved	ND	1.11	"	ND		20
Selenium - Dissolved	2.90	1.11	"	2.30	22.9	20 Non-dir.
Silver - Dissolved	ND	1.11	"	ND		20

Matrix Spike (BC22747-MS1)

*Source sample: 22C0965-05 (Matrix Spike)

Prepared & Analyzed: 03/23/2022

Arsenic - Dissolved	0.056		ug/mL	0.0500	0.0007	110	75-125
Barium - Dissolved	0.090		"	0.0500	0.039	102	75-125
Cadmium - Dissolved	0.058		"	0.0500	0.00006	116	75-125
Chromium - Dissolved	0.053		"	0.0500	0.0006	104	75-125
Lead - Dissolved	0.038		"	0.0500	0.0004	74.7	75-125 Low Bias
Selenium - Dissolved	0.062		"	0.0500	0.002	120	75-125
Silver - Dissolved	0.061		"	0.0500	0.000007	121	75-125



Mercury by EPA 7000/200 Series Methods - 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 BC22633 - EPA SW846-7470A											
Blank (BC22633-BLK1)								Prepared & Analyzed: 03/21/2022			
Mercury	ND	0.0002	mg/L								
LCS (BC22633-BS1)								Prepared & Analyzed: 03/21/2022			
Mercury	0.0021395	0.0002	mg/L	0.00200		107	80-120				
LCS (BC22633-BS2)								Prepared & Analyzed: 03/21/2022			
Mercury	0.0020661	0.0002	mg/L	0.00200		103	80-120				
Batch BC22805 - EPA SW846-7470A											
Blank (BC22805-BLK1)								Prepared & Analyzed: 03/23/2022			
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BC22805-BS1)								Prepared & Analyzed: 03/23/2022			
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		101	80-120				
LCS (BC22805-BS2)								Prepared & Analyzed: 03/23/2022			
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		105	80-120				
Batch BC22887 - EPA 7473 soil											
Blank (BC22887-BLK1)								Prepared & Analyzed: 03/24/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC22887-DUP1)								Prepared & Analyzed: 03/24/2022			
Mercury	0.0412	0.0347	mg/kg dry		ND					35	



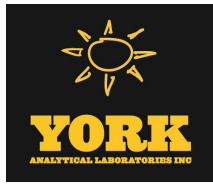
Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC22887 - EPA 7473 soil

Matrix Spike (BC22887-MS1)		*Source sample: 22C0345-06 (Matrix Spike)						Prepared & Analyzed: 03/24/2022			
Mercury	0.552		mg/kg	0.500	0.0268	105	75-125				
Reference (BC22887-SRM1)								Prepared & Analyzed: 03/24/2022			
Mercury	29.528		mg/kg	27.2		109	59.9-140.1				



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 BC23010 - % Solids Prep

Duplicate (BC23010-DUP1)		*Source sample: 22C1381-01 (Duplicate)					Prepared & Analyzed: 03/28/2022				
% Solids	83.6	0.100	%		84.4			0.918	20		

Batch BC23064 - % Solids Prep

Duplicate (BC23064-DUP1)		*Source sample: 22C1084-05 (Duplicate)					Prepared & Analyzed: 03/28/2022				
% Solids	91.1	0.100	%		92.0			1.06	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C1166-01	SB001_1-3	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1166-02	SB001_10	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1166-04	SB002_5-7	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1166-05	SB002_10	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1166-06	GW002	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1166-07	SB003_3-5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1166-08	SB003_10	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1166-09	SB004_5-7	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1166-10	SB004_10	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

VOA-E	The concentration reported for this analyte is an estimated value above the linear range of the instrument for EPA SW846-5035/8260 (>200ppb). Re-analysis using 5035/8260 medium level prep. resulted in a detection below the reporting limit (<500ppb).
S-08	The recovery of this surrogate was outside of QC limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
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.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
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.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
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.



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.

22C1166

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		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: PWGC	Company:	Company:				LIG2201		RUSH - Next Day	
Address: 630 Johnson Ave Bohemia NY 11716	Address:	Address:						RUSH - Two Day	
Phone: 631-549-0353	Phone:	Phone:						RUSH - Three Day	
Contact: Derek Ertak	Contact:	Contact:						RUSH - Four Day	
E-mail: derek.e@pwgc.net	E-mail:	E-mail:						Standard (5-7 Day) *	
						YOUR PO#:			

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.

Michael Pecoraro

Michael Pecoraro

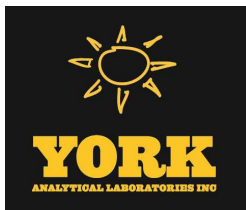
Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	☒ Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	☐ QA Report	
DW - drinking water	Connecticut	☐ NY ASP A Package	
WW - wastewater	Pennsylvania	☒ NY ASP B Package	
O - Oil Other	Other:	☐ NJDEP Reduced Deliverables	
		☐ NJDKQP	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB001-1-3	S	3/21/22 0900	VOCs, SVOCs, Metals (TCL, TAL Metals)	Terracore, 8 oz glass
SB001-10	↓	0900	TCL VOCs	↓
GW001	GW	0915	TCL VOCs, TCL SVOCs, RCRA Metals (total, dissolved)	340mL, HNO ₃ , Imp, 31L
SB002-5-7	S	1100	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 8 oz glass
SB002-10	↓	1145	TCL VOCs	↓
GW002	GW	1215	TCL VOCs, TCL SVOCs, RCRA Metals (total & dissolved)	340mL, HNO ₃ , Imp, 31L
SB003-3-5	S	1330	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 8 oz glass
SB003-10	↓	1340	TCL VOCs	↓
SB004-5-7	↓	1420	TCL VOCs, TCL SVOCs, TAL Metals	Terracores, 8 oz glass
SB004-10	↓	1435	TCL VOCs	↓

Comments:	Preservation: (check all that apply)	Special Instruction
For SB001 samples, PID readings exceeded 5,000 ppm	HCl ☐ MeOH ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐	Field Filtered
	ZnAc ☐ Ascorbic Acid ☐ Other: ☐	Lab to Filter

1. Samples Relinquished by / Company Michael Pecoraro PWGC Date/Time 3/21/22 1510	1. Samples Received by / Company Andrew S. York Date/Time 3/21/22 1550	2. Samples Relinquished by / Company Andrew S. York Date/Time 3/21/22 1510
2. Samples Received by / Company Evan B Date/Time 3-21-22 1510	3. Samples Relinquished by / Company Evan B Date/Time 3-21-22	3. Samples Received by / Company Date/Time
4. Samples Relinquished by / Company Date/Time	4. Samples Received by / Company Date/Time	Samples Received in LAB by H Blocher Date/Time 3/21/22 2054 Temperature 2.7 Degrees C



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Ave, Suite 7

Bohemia NY, 11716

Attention: Derek Ersbak

Report Date: 03/29/2022

Client Project ID: LIG2201

York Project (SDG) No.: 22C1252



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: LIG2201
York Project (SDG) No.: 22C1252

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

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: **LIG2201**.

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>
22C1252-01	SB005_4-6	Soil	03/22/2022	03/22/2022
22C1252-02	SB005_8	Soil	03/22/2022	03/22/2022
22C1252-03	SB006_3-5	Soil	03/22/2022	03/22/2022
22C1252-04	SB006_9	Soil	03/22/2022	03/22/2022
22C1252-05	SB007_1-3	Soil	03/22/2022	03/22/2022
22C1252-06	SB007_9	Soil	03/22/2022	03/22/2022
22C1252-07	SB009_0-2	Soil	03/22/2022	03/22/2022
22C1252-08	GW003	Water	03/21/2022	03/22/2022
22C1252-09	SB010_8-10	Soil	03/22/2022	03/22/2022
22C1252-10	GW004	Water	03/21/2022	03/22/2022

General Notes for York Project (SDG) No.: 22C1252

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: SB005_4-6

York Sample ID: 22C1252-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 7:25 am

03/22/2022

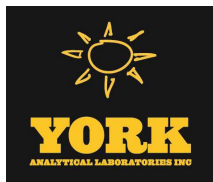
Volatiles, 8260 Comprehensive

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	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 16:09	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 16:09	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
95-63-6	1,2,4-Trimethylbenzene	1.7		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
108-67-8	1,3,5-Trimethylbenzene	0.74		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC



Sample Information

Client Sample ID: SB005_4-6

York Sample ID: 22C1252-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 7:25 am

03/22/2022

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	5.0	9.9	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 16:09	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
67-64-1	Acetone	ND		mg/kg dry	0.50	0.99	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.50	0.99	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
71-43-2	Benzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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FAX (203) 357-0166

ClientServices@yorklab.com



Sample Information

Client Sample ID: SB005_4-6

York Sample ID: 22C1252-01

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 7:25 am

Date Received
03/22/2022

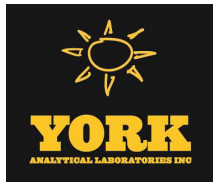
Volatiles, 8260 Comprehensive

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	81		mg/kg dry	25	50	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 03:33	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
100-41-4	Ethyl Benzene	0.37	J	mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
98-82-8	Isopropylbenzene	0.97		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
108-87-2	Methylcyclohexane	1.4		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.50	0.99	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
104-51-8	n-Butylbenzene	3.0		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
103-65-1	n-Propylbenzene	1.8		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.50	0.99	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
99-87-6	p-Isopropyltoluene	0.66		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
135-98-8	sec-Butylbenzene	3.1		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
100-42-5	Styrene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC



Sample Information

Client Sample ID: SB005_4-6

York Sample ID: 22C1252-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 7:25 am

03/22/2022

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	1500		mg/kg dry	25	50	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 03:33	BMC
108-88-3	Toluene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
156-60-5	trans-1,2-Dichloroethylene	0.36	J	mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
79-01-6	Trichloroethylene	76		mg/kg dry	25	50	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 03:33	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:09	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.74	1.5	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 16:09	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.2 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH





Sample Information

Client Sample ID: SB005_4-6

York Sample ID: 22C1252-01

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 7:25 am

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH



Sample Information

Client Sample ID: SB005_4-6

York Sample ID: 22C1252-01

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 7:25 am

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
83-32-9	Acenaphthene	0.272		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
120-12-7	Anthracene	0.104		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH



Sample Information

Client Sample ID: SB005_4-6

York Sample ID: 22C1252-01

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 7:25 am

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0935	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
132-64-9	Dibenzofuran	0.354		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
86-73-7	Fluorene	0.557		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH



Sample Information

Client Sample ID: SB005_4-6

York Sample ID: 22C1252-01

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 7:25 am

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
85-01-8	Phenanthrene	1.13		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
108-95-2	Phenol	ND		mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
129-00-0	Pyrene	0.0560	J	mg/kg dry	0.0469	0.0935	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:00	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	62.2 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	63.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.9 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	89.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	74.8 %	24-116								

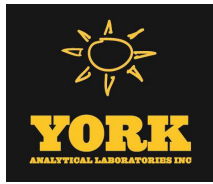
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	13200		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-36-0	Antimony	4.74		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-39-3	Barium	135		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-70-2	Calcium	1590		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-47-3	Chromium	24.2		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-48-4	Cobalt	12.2		mg/kg dry	0.462	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-50-8	Copper	32.4		mg/kg dry	2.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT



Sample Information

Client Sample ID: SB005_4-6

York Sample ID: 22C1252-01

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 7:25 am

Date Received

03/22/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	21000		mg/kg dry	28.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7439-92-1	Lead	6.22		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7439-95-4	Magnesium	4290		mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7439-96-5	Manganese	979		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-02-0	Nickel	19.3		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-09-7	Potassium	3900	B	mg/kg dry	5.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7782-49-2	Selenium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-22-4	Silver	ND		mg/kg dry	0.577	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-23-5	Sodium	102		mg/kg dry	57.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-28-0	Thallium	ND		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-62-2	Vanadium	33.1		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT
7440-66-6	Zinc	45.3		mg/kg dry	2.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:13	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0346	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/25/2022 20:23	03/28/2022 13:19	BR

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	86.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2022 14:01	03/29/2022 16:32	MEW



Sample Information

Client Sample ID: SB005_8

York Sample ID: 22C1252-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 7:40 am

03/22/2022

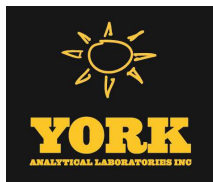
Volatiles, 8260 Comprehensive

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	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 16:37	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
96-18-4	1,2,3-Trichloropropane	0.27	J	mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 16:37	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
95-63-6	1,2,4-Trimethylbenzene	1.9		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
108-67-8	1,3,5-Trimethylbenzene	0.59		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC



Sample Information

Client Sample ID: SB005_8

York Sample ID: 22C1252-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 7:40 am

03/22/2022

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	4.2	8.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 16:37	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
67-64-1	Acetone	ND		mg/kg dry	0.42	0.84	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.42	0.84	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
71-43-2	Benzene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC

120 RESEARCH DRIVE

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Sample Information

Client Sample ID: SB005_8

York Sample ID: 22C1252-02

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 7:40 am

Date Received
03/22/2022

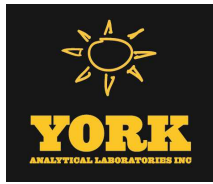
Volatiles, 8260 Comprehensive

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	24		mg/kg dry	11	21	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 09:00	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
100-41-4	Ethyl Benzene	0.25	J	mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
98-82-8	Isopropylbenzene	0.29	J	mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
108-87-2	Methyleyclohexane	0.48		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.42	0.84	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
104-51-8	n-Butylbenzene	0.55		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
103-65-1	n-Propylbenzene	0.47		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.42	0.84	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
99-87-6	p-Isopropyltoluene	0.30	J	mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
135-98-8	sec-Butylbenzene	0.43		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
100-42-5	Styrene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC



Sample Information

Client Sample ID: SB005_8

York Sample ID: 22C1252-02

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 7:40 am

Date Received

03/22/2022

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	510		mg/kg dry	11	21	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 09:00	BMC
108-88-3	Toluene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
79-01-6	Trichloroethylene	34		mg/kg dry	11	21	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 09:00	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
75-01-4	Vinyl Chloride	0.72	CCV-E	mg/kg dry	0.21	0.42	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 16:37	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.63	1.3	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 16:37	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.4 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	100 %	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	84.8		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 16:10	03/28/2022 16:13	JTG



Sample Information

Client Sample ID: SB006_3-5

York Sample ID: 22C1252-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 8:20 am

03/22/2022

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	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 17:05	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 17:05	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC



Sample Information

Client Sample ID: SB006_3-5

York Sample ID: 22C1252-03

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 8:20 am

Date Received
03/22/2022

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	4.4	8.8	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 17:05	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
67-64-1	Acetone	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
71-43-2	Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC



Sample Information

Client Sample ID: SB006_3-5

York Sample ID: 22C1252-03

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 8:20 am

Date Received
03/22/2022

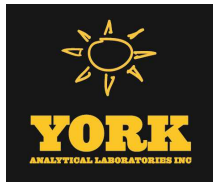
Volatiles, 8260 Comprehensive

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	1.3		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
100-42-5	Styrene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC



Sample Information

Client Sample ID: SB006_3-5

York Sample ID: 22C1252-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 8:20 am

03/22/2022

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	380		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 08:32	BMC
108-88-3	Toluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
79-01-6	Trichloroethylene	1.9		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 17:05	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.66	1.3	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 17:05	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.7 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.3 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH



Sample Information

Client Sample ID: SB006_3-5

York Sample ID: 22C1252-03

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 8:20 am

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH



Sample Information

Client Sample ID: SB006_3-5

York Sample ID: 22C1252-03

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 8:20 am

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
62-53-3	Aniline	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
92-87-5	Benzidine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH



Sample Information

Client Sample ID: SB006_3-5

York Sample ID: 22C1252-03

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 8:20 am

Date Received
03/22/2022

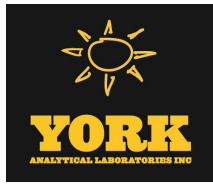
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH



Sample Information

Client Sample ID: SB006_3-5

York Sample ID: 22C1252-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 8:20 am

03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
108-95-2	Phenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
110-86-1	Pyridine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 17:32	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	78.2 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	78.3 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	95.3 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	86.1 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	108 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	97.8 %		24-116							

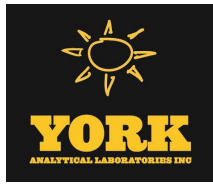
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8520		mg/kg dry	5.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-36-0	Antimony	ND		mg/kg dry	2.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-39-3	Barium	81.6		mg/kg dry	2.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.316	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-70-2	Calcium	1280		mg/kg dry	5.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-47-3	Chromium	16.7		mg/kg dry	0.527	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-48-4	Cobalt	8.65		mg/kg dry	0.421	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-50-8	Copper	21.7		mg/kg dry	2.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT



Sample Information

Client Sample ID: SB006_3-5

York Sample ID: 22C1252-03

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 8:20 am

Date Received

03/22/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	14100		mg/kg dry	26.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7439-92-1	Lead	4.31		mg/kg dry	0.527	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7439-95-4	Magnesium	3080		mg/kg dry	5.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7439-96-5	Manganese	241		mg/kg dry	0.527	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-02-0	Nickel	15.9		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-09-7	Potassium	2890	B	mg/kg dry	5.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7782-49-2	Selenium	ND		mg/kg dry	2.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-22-4	Silver	ND		mg/kg dry	0.527	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-23-5	Sodium	84.1		mg/kg dry	52.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-28-0	Thallium	ND		mg/kg dry	2.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-62-2	Vanadium	22.4		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT
7440-66-6	Zinc	32.5		mg/kg dry	2.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:16	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0316	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/25/2022 20:23	03/28/2022 13:28	BR

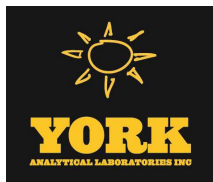
Total Solids

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	94.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2022 14:01	03/29/2022 16:32	MEW



Sample Information

Client Sample ID: SB006_9

York Sample ID: 22C1252-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 8:35 am

03/22/2022

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	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 07:09	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 07:09	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC



Sample Information

Client Sample ID: SB006_9

York Sample ID: 22C1252-04

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 8:35 am

Date Received
03/22/2022

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	5.2	10	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 07:09	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
67-64-1	Acetone	ND		mg/kg dry	0.52	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.52	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
71-43-2	Benzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC



Sample Information

Client Sample ID: SB006_9

York Sample ID: 22C1252-04

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 8:35 am

Date Received
03/22/2022

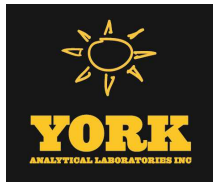
Volatiles, 8260 Comprehensive

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	5.2		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.52	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.52	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
100-42-5	Styrene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC



Sample Information

Client Sample ID: SB006_9

York Sample ID: 22C1252-04

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 8:35 am

Date Received

03/22/2022

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	11		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
108-88-3	Toluene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
79-01-6	Trichloroethylene	7.4		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.26	0.52	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:09	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.78	1.6	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 07:09	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.2 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.1 %	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	84.2		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 16:10	03/28/2022 16:13	JTG



Sample Information

Client Sample ID: SB007_1-3

York Sample ID: 22C1252-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 9:10 am

03/22/2022

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	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 18:02	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 18:02	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC



Sample Information

Client Sample ID: SB007_1-3

York Sample ID: 22C1252-05

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 9:10 am

Date Received
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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	5.3	11	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 18:02	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
67-64-1	Acetone	ND		mg/kg dry	0.53	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.53	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
71-43-2	Benzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC



Sample Information

Client Sample ID: SB007_1-3

York Sample ID: 22C1252-05

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 9:10 am

Date Received
03/22/2022

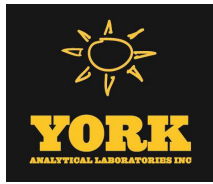
Volatiles, 8260 Comprehensive

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	0.46	J	mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.53	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.53	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
100-42-5	Styrene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC



Sample Information

Client Sample ID: SB007_1-3

York Sample ID: 22C1252-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 9:10 am

03/22/2022

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	1900		mg/kg dry	26	53	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 03:06	BMC
108-88-3	Toluene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
79-01-6	Trichloroethylene	0.47	J	mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.26	0.53	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:02	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.79	1.6	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 18:02	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.9 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.7 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH



Sample Information

Client Sample ID: SB007_1-3

York Sample ID: 22C1252-05

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 9:10 am

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
121-14-2	2,4-Dinitrotoluene	1.11		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
606-20-2	2,6-Dinitrotoluene	1.41		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH



Sample Information

Client Sample ID: SB007_1-3

York Sample ID: 22C1252-05

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 9:10 am

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
100-52-7	Benzaldehyde	0.193		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
85-68-7	Benzyl butyl phthalate	0.279		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
117-81-7	Bis(2-ethylhexyl)phthalate	2.77		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH



Sample Information

Client Sample ID: SB007_1-3

York Sample ID: 22C1252-05

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 9:10 am

Date Received
03/22/2022

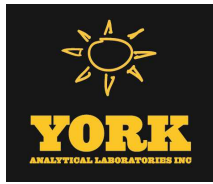
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
131-11-3	Dimethyl phthalate	0.411		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
84-74-2	Di-n-butyl phthalate	0.0954		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
117-84-0	Di-n-octyl phthalate	0.118		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
67-72-1	Hexachloroethane	1.03		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
62-75-9	N-Nitrosodimethylamine	0.129		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
621-64-7	N-nitroso-di-n-propylamine	0.102		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH



Sample Information

Client Sample ID: SB007_1-3

York Sample ID: 22C1252-05

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 9:10 am

Date Received

03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:04	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	68.4 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	65.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	82.8 %	24-116								

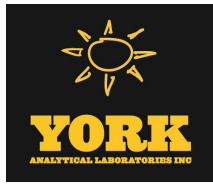
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7990		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-39-3	Barium	69.5		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.339	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-70-2	Calcium	1270		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-47-3	Chromium	16.5		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-48-4	Cobalt	7.56		mg/kg dry	0.452	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-50-8	Copper	22.7		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT



Sample Information

Client Sample ID: SB007_1-3

York Sample ID: 22C1252-05

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 9:10 am

Date Received

03/22/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	13500		mg/kg dry	28.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7439-92-1	Lead	4.36		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7439-95-4	Magnesium	2790		mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7439-96-5	Manganese	270		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-02-0	Nickel	13.2		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-09-7	Potassium	2370	B	mg/kg dry	5.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-22-4	Silver	ND		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-23-5	Sodium	77.8		mg/kg dry	56.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-62-2	Vanadium	23.1		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT
7440-66-6	Zinc	27.9		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:25	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0548		mg/kg dry	0.0339	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/25/2022 20:23	03/28/2022 13:37	BR

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	88.5		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2022 14:01	03/29/2022 16:32	MEW



Sample Information

Client Sample ID: SB007_9

York Sample ID: 22C1252-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 9:30 am

03/22/2022

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	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 18:30	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 18:30	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC



Sample Information

Client Sample ID: SB007_9

York Sample ID: 22C1252-06

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 9:30 am

Date Received
03/22/2022

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	4.8	9.5	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 18:30	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
67-64-1	Acetone	ND		mg/kg dry	0.48	0.95	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.48	0.95	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
71-43-2	Benzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC



Sample Information

Client Sample ID: SB007_9

York Sample ID: 22C1252-06

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 9:30 am

Date Received
03/22/2022

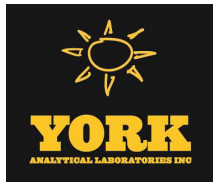
Volatiles, 8260 Comprehensive

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	20		mg/kg dry	4.8	9.5	2000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:37	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.48	0.95	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.48	0.95	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
100-42-5	Styrene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC



Sample Information

Client Sample ID: SB007_9

York Sample ID: 22C1252-06

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 9:30 am

Date Received

03/22/2022

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	250		mg/kg dry	4.8	9.5	2000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:37	BMC
108-88-3	Toluene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
79-01-6	Trichloroethylene	24		mg/kg dry	4.8	9.5	2000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 07:37	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.24	0.48	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 18:30	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.71	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 18:30	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.5 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	98.8 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.1 %	76-130								

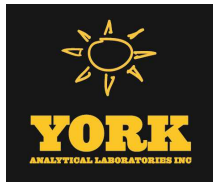
Total Solids

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	81.1		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 16:10	03/28/2022 16:13	JTG



Sample Information

Client Sample ID: SB009_0-2

York Sample ID: 22C1252-07

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 12:25 pm

Date Received

03/22/2022

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	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 06:41	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 06:41	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC



Sample Information

Client Sample ID: SB009_0-2

York Sample ID: 22C1252-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 12:25 pm

03/22/2022

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	0.043	0.085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 06:41	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
67-64-1	Acetone	0.0047	J	mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC

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Sample Information

Client Sample ID: SB009_0-2

York Sample ID: 22C1252-07

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 12:25 pm

Date Received
03/22/2022

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	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-09-2	Methylene chloride	0.014		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC



Sample Information

Client Sample ID: SB009_0-2

York Sample ID: 22C1252-07

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 12:25 pm

Date Received
03/22/2022

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	0.012		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:41	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 06:41	BMC
Surrogate Recoveries		Result	Acceptance Range								
2037-26-5	Surrogate: SURR: Toluene-d8	95.6 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.2 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH



Sample Information

Client Sample ID: SB009_0-2

York Sample ID: 22C1252-07

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 12:25 pm

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH



Sample Information

Client Sample ID: SB009_0-2

York Sample ID: 22C1252-07

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 12:25 pm

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0925	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH



Sample Information

Client Sample ID: SB009_0-2

York Sample ID: 22C1252-07

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 12:25 pm

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH



Sample Information

Client Sample ID: SB009_0-2

York Sample ID: 22C1252-07

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 12:25 pm

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0463	0.0925	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 18:35	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	77.3 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	73.8 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	87.1 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	83.6 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	97.6 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	89.9 %		24-116							

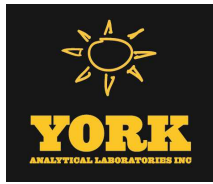
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	12500		mg/kg dry	5.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-36-0	Antimony	3.08		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-39-3	Barium	76.0		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-70-2	Calcium	1540		mg/kg dry	5.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-47-3	Chromium	20.0		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-48-4	Cobalt	10.3		mg/kg dry	0.449	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-50-8	Copper	22.7		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7439-89-6	Iron	17300		mg/kg dry	28.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT



Sample Information

Client Sample ID: SB009_0-2

York Sample ID: 22C1252-07

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 12:25 pm

Date Received

03/22/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	8.46		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7439-95-4	Magnesium	3510		mg/kg dry	5.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7439-96-5	Manganese	336		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-02-0	Nickel	16.0		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-09-7	Potassium	1980	B	mg/kg dry	5.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-22-4	Silver	ND		mg/kg dry	0.562	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-23-5	Sodium	142		mg/kg dry	56.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-62-2	Vanadium	28.6		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT
7440-66-6	Zinc	36.1		mg/kg dry	2.81	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:28	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0337	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/25/2022 20:23	03/28/2022 14:07	BR

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	89.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2022 14:01	03/29/2022 16:32	MEW



Sample Information

Client Sample ID: GW003

York Sample ID: 22C1252-08

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 1:30 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 19:57	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 19:57	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 19:57	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 19:57	JTG
79-00-5	1,1,2-Trichloroethane	0.370	QL-02, 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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	JTG
95-63-6	1,2,4-Trimethylbenzene	4.45		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	JTG
108-67-8	1,3,5-Trimethylbenzene	1.38		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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	JTG



Sample Information

Client Sample ID: GW003

York Sample ID: 22C1252-08

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 1:30 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
78-93-3	2-Butanone	12.4	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 19:57	JTG
591-78-6	2-Hexanone	1.48	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 19:57	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 19:57	JTG
67-64-1	Acetone	15.7		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 19:57	JTG
107-02-8	Acrolein	0.200	CCV-E, ICV-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 19:57	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 19:57	JTG
71-43-2	Benzene	0.200	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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	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 19:57	JTG
156-59-2	cis-1,2-Dichloroethylene	56.5		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	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 19:57	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 19:57	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 19:57	JTG



Sample Information

Client Sample ID: GW003

York Sample ID: 22C1252-08

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 1:30 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
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 19:57	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 19:57	JTG
100-41-4	Ethyl Benzene	1.74		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	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 19:57	JTG
98-82-8	Isopropylbenzene	1.92		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	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 19:57	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 19:57	JTG
108-87-2	Methylcyclohexane	0.610		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	JTG
75-09-2	Methylene chloride	1.77	J, B	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 19:57	JTG
91-20-3	Naphthalene	50.4	CCV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	JTG
104-51-8	n-Butylbenzene	1.38		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 19:57	JTG
103-65-1	n-Propylbenzene	2.59		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	JTG
95-47-6	o-Xylene	0.630		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	JTG
179601-23-1	p- & m- Xylenes	2.12		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 19:57	JTG
105-05-5	* p-Diethylbenzene	2.07		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 19:57	JTG
622-96-8	* p-Ethyltoluene	0.970		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/24/2022 06:34	03/24/2022 19:57	JTG
99-87-6	p-Isopropyltoluene	0.240	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 19:57	JTG
135-98-8	sec-Butylbenzene	1.76		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	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 19:57	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 19:57	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 19:57	JTG
127-18-4	Tetrachloroethylene	5860		ug/L	10.0	25.0	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:27	JTG



Sample Information

Client Sample ID: GW003

York Sample ID: 22C1252-08

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 1:30 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
108-88-3	Toluene	0.520		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:34	03/24/2022 19:57	JTG
156-60-5	trans-1,2-Dichloroethylene	0.370	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 19:57	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 19:57	JTG
79-01-6	Trichloroethylene	654	QL-02	ug/L	10.0	25.0	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:27	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 19:57	JTG
75-01-4	Vinyl Chloride	0.200	CCV-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 19:57	JTG
1330-20-7	Xylenes, Total	2.75		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:34	03/24/2022 19:57	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	113 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	108 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %	79-122								



Sample Information

Client Sample ID: SB010_8-10

York Sample ID: 22C1252-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 1:50 pm

03/22/2022

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	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 19:26	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 19:26	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	5.0	10	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

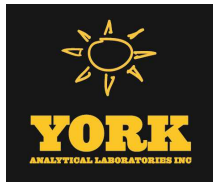
RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: SB010_8-10

York Sample ID: 22C1252-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Soil

March 22, 2022 1:50 pm

03/22/2022

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	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 19:26	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
67-64-1	Acetone	ND		mg/kg dry	0.50	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.50	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
71-43-2	Benzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

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Sample Information

Client Sample ID: SB010_8-10

York Sample ID: 22C1252-09

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 1:50 pm

Date Received
03/22/2022

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	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.50	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.50	1.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
100-42-5	Styrene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC



Sample Information

Client Sample ID: SB010_8-10

York Sample ID: 22C1252-09

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 1:50 pm

Date Received
03/22/2022

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	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.25	0.50	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2022 06:25	03/23/2022 19:26	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.75	1.5	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2022 06:25	03/23/2022 19:26	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.9 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.3 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0956	0.191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0956	0.191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH



Sample Information

Client Sample ID: SB010_8-10

York Sample ID: 22C1252-09

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 1:50 pm

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0956	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0956	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0956	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0956	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0956	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH



Sample Information

Client Sample ID: SB010_8-10

York Sample ID: 22C1252-09

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 1:50 pm

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0956	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
62-53-3	Aniline	ND		mg/kg dry	0.191	0.383	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
92-87-5	Benzidine	ND		mg/kg dry	0.191	0.383	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0956	0.191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH



Sample Information

Client Sample ID: SB010_8-10

York Sample ID: 22C1252-09

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 22, 2022 1:50 pm

Date Received
03/22/2022

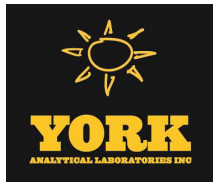
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH



Sample Information

Client Sample ID: SB010_8-10

York Sample ID: 22C1252-09

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 1:50 pm

Date Received

03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
108-95-2	Phenol	ND		mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
129-00-0	Pyrene	0.0825	J	mg/kg dry	0.0479	0.0956	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
110-86-1	Pyridine	ND		mg/kg dry	0.191	0.383	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 12:54	03/25/2022 19:07	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.5 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	75.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	78.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	99.1 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.4 %	24-116								

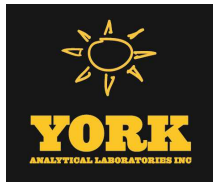
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6470		mg/kg dry	5.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-36-0	Antimony	ND		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-39-3	Barium	56.8		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.351	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-70-2	Calcium	1420		mg/kg dry	5.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-47-3	Chromium	16.3		mg/kg dry	0.584	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-48-4	Cobalt	7.21		mg/kg dry	0.468	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-50-8	Copper	21.6		mg/kg dry	2.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7439-89-6	Iron	13100		mg/kg dry	29.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT



Sample Information

Client Sample ID: SB010_8-10

York Sample ID: 22C1252-09

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 22, 2022 1:50 pm

Date Received

03/22/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	3.94		mg/kg dry	0.584	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7439-95-4	Magnesium	2700		mg/kg dry	5.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7439-96-5	Manganese	149		mg/kg dry	0.584	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-02-0	Nickel	14.9		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-09-7	Potassium	2070	B	mg/kg dry	5.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7782-49-2	Selenium	ND		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-22-4	Silver	ND		mg/kg dry	0.584	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-23-5	Sodium	139		mg/kg dry	58.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-28-0	Thallium	ND		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-62-2	Vanadium	23.0		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT
7440-66-6	Zinc	28.7		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:01	03/28/2022 22:30	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0351	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/25/2022 20:23	03/28/2022 14:16	BR

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	03/29/2022 15:06	03/29/2022 18:03	MEW



Sample Information

Client Sample ID: GW004

York Sample ID: 22C1252-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1252

LIG2201

Water

March 21, 2022 2:10 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	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
87-61-6	1,2,3-Trichlorobenzene	1.75	QL-02, J	ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG



Sample Information

Client Sample ID: GW004

York Sample ID: 22C1252-10

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 2:10 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
78-93-3	2-Butanone	4.65	Cal-E	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
591-78-6	2-Hexanone	5.70	Cal-E	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
67-64-1	Acetone	11.0		ug/L	5.00	10.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
107-02-8	Acrolein	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
107-13-1	Acrylonitrile	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
71-43-2	Benzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
74-97-5	Bromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-27-4	Bromodichloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-25-2	Bromoform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
74-83-9	Bromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-15-0	Carbon disulfide	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
108-90-7	Chlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-00-3	Chloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
67-66-3	Chloroform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
74-87-3	Chloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
156-59-2	cis-1,2-Dichloroethylene	16.8		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
110-82-7	Cyclohexane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
124-48-1	Dibromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
74-95-3	Dibromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG



Sample Information

Client Sample ID: GW004

York Sample ID: 22C1252-10

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 2:10 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
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
100-41-4	Ethyl Benzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
98-82-8	Isopropylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
79-20-9	Methyl acetate	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
108-87-2	Methylcyclohexane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-09-2	Methylene chloride	ND		ug/L	5.00	10.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
91-20-3	Naphthalene	ND		ug/L	5.00	10.0	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
104-51-8	n-Butylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
103-65-1	n-Propylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
95-47-6	o-Xylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	2.50	5.00	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications:	03/25/2022 06:26	03/25/2022 20:54	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications:	03/25/2022 06:26	03/25/2022 20:54	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
135-98-8	sec-Butylbenzene	1.85	J	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
100-42-5	Styrene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.50	5.00	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
127-18-4	Tetrachloroethylene	594		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
108-88-3	Toluene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG



Sample Information

Client Sample ID: GW004

York Sample ID: 22C1252-10

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 2:10 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	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
79-01-6	Trichloroethylene	187	QL-02	ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
75-01-4	Vinyl Chloride	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:26	03/25/2022 20:54	JTG
1330-20-7	Xylenes, Total	ND		ug/L	3.00	7.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:26	03/25/2022 20:54	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	113 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH



Sample Information

Client Sample ID: GW004

York Sample ID: 22C1252-10

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 2:10 pm

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
91-57-6	2-Methylnaphthalene	8.08		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH



Sample Information

Client Sample ID: GW004

York Sample ID: 22C1252-10

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 2:10 pm

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 15:58	KH



Sample Information

Client Sample ID: GW004

York Sample ID: 22C1252-10

York Project (SDG) No.
22C1252

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 21, 2022 2:10 pm

Date Received
03/22/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	34.3 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	21.2 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.8 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	79.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	101 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.6 %			30.7-106						

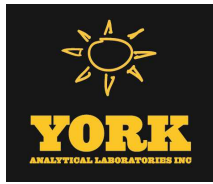
Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
208-96-8	Acenaphthylene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
120-12-7	Anthracene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
1912-24-9	Atrazine	ND		ug/L	5.56	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/28/2022 11:00	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	5.56	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/28/2022 11:00	KH
218-01-9	Chrysene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
206-44-0	Fluoranthene	1.56		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
86-73-7	Fluorene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.222	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/28/2022 11:00	KH



Sample Information

Client Sample ID: GW004

York Sample ID: 22C1252-10

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 21, 2022 2:10 pm

Date Received

03/22/2022

Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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/L	5.56	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/28/2022 11:00	KH
67-72-1	Hexachloroethane	ND		ug/L	5.56	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/28/2022 11:00	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
91-20-3	Naphthalene	7.56		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
98-95-3	Nitrobenzene	ND		ug/L	2.78	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/28/2022 11:00	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	5.56	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/28/2022 11:00	KH
87-86-5	Pentachlorophenol	ND		ug/L	2.78	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/28/2022 11:00	KH
85-01-8	Phenanthrene	4.11		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH
129-00-0	Pyrene	2.56		ug/L	0.556	10	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 11:00	KH

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 06:08	03/25/2022 16:49	KT
7440-39-3	Barium	5.86		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 06:08	03/25/2022 16:49	KT
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 06:08	03/25/2022 16:49	KT
7440-47-3	Chromium	0.378		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 06:08	03/25/2022 16:49	KT
7439-92-1	Lead	1.03		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 06:08	03/25/2022 16:49	KT
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	03/25/2022 06:08	03/25/2022 16:49	KT
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 06:08	03/25/2022 16:49	KT

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

120 RESEARCH DRIVE

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STRATFORD, CT 06615

(203) 325-1371

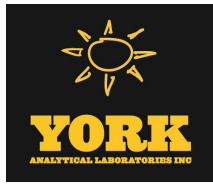


132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@yorklab.com



Sample Information

Client Sample ID: GW004

York Sample ID: 22C1252-10

York Project (SDG) No.

22C1252

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 21, 2022 2:10 pm

Date Received

03/22/2022

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:07	RTH
7440-39-3	Barium	310		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:07	RTH
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:07	RTH
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:07	RTH
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:07	RTH
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:07	RTH
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 09:47	03/23/2022 16:07	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 18:21	03/23/2022 18:21	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 18:26	03/23/2022 18:26	AA



Analytical Batch Summary

Batch ID: BC22747 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-10	GW004	03/23/22
BC22747-BLK1	Blank	03/23/22
BC22747-BS1	LCS	03/23/22
BC22747-DUP1	Duplicate	03/23/22
BC22747-MS1	Matrix Spike	03/23/22

Batch ID: BC22770 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-01	SB005_4-6	03/23/22
22C1252-02	SB005_8	03/23/22
22C1252-03	SB006_3-5	03/23/22
22C1252-05	SB007_1-3	03/23/22
22C1252-06	SB007_9	03/23/22
22C1252-09	SB010_8-10	03/23/22
BC22770-BLK1	Blank	03/23/22
BC22770-BLK2	Blank	03/23/22
BC22770-BS1	LCS	03/23/22
BC22770-BSD1	LCS Dup	03/23/22

Batch ID: BC22804 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-10	GW004	03/23/22
BC22804-BLK1	Blank	03/23/22
BC22804-BS1	LCS	03/23/22
BC22804-BS2	LCS	03/23/22

Batch ID: BC22805 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-10	GW004	03/23/22
BC22805-BLK1	Blank	03/23/22
BC22805-BS1	LCS	03/23/22
BC22805-BS2	LCS	03/23/22

Batch ID: BC22848 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-08	GW003	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: BC22852	Preparation Method: EPA 3550C	Prepared By: FG

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-01	SB005_4-6	03/24/22
22C1252-03	SB006_3-5	03/24/22
22C1252-05	SB007_1-3	03/24/22
22C1252-07	SB009_0-2	03/24/22
22C1252-09	SB010_8-10	03/24/22
BC22852-BLK1	Blank	03/24/22
BC22852-BS1	LCS	03/24/22

Batch ID: BC22856	Preparation Method: EPA 3510C	Prepared By: GMA

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-10	GW004	03/24/22
BC22856-BLK1	Blank	03/24/22
BC22856-BS1	LCS	03/24/22
BC22856-MS1	Matrix Spike	03/24/22
BC22856-MSD1	Matrix Spike Dup	03/24/22

Batch ID: BC22875	Preparation Method: EPA 5035A	Prepared By: BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-02RE1	SB005_8	03/24/22
22C1252-03RE1	SB006_3-5	03/24/22
22C1252-04	SB006_9	03/24/22
22C1252-06RE1	SB007_9	03/24/22
22C1252-07	SB009_0-2	03/24/22
BC22875-BLK1	Blank	03/24/22
BC22875-BLK2	Blank	03/24/22
BC22875-BS1	LCS	03/24/22
BC22875-BSD1	LCS Dup	03/24/22

Batch ID: BC22906	Preparation Method: EPA 3015A	Prepared By: K T

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-10	GW004	03/25/22
BC22906-BLK1	Blank	03/25/22
BC22906-BS1	LCS	03/25/22
BC22906-DUP1	Duplicate	03/25/22
BC22906-MS1	Matrix Spike	03/25/22
BC22906-PS1	Post Spike	03/25/22

Batch ID: BC22933	Preparation Method: EPA 5030B	Prepared By: JTG



YORK Sample ID	Client Sample ID	Preparation Date
22C1252-08RE1	GW003	03/25/22
22C1252-10	GW004	03/25/22
BC22933-BLK1	Blank	03/25/22
BC22933-BS1	LCS	03/25/22
BC22933-BSD1	LCS Dup	03/25/22

Batch ID: BC22944 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-01RE1	SB005_4-6	03/25/22
22C1252-05RE1	SB007_1-3	03/25/22
BC22944-BLK1	Blank	03/25/22
BC22944-BLK2	Blank	03/25/22
BC22944-BS1	LCS	03/25/22
BC22944-BSD1	LCS Dup	03/25/22

Batch ID: BC22970 **Preparation Method:** EPA 7473 soil **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-01	SB005_4-6	03/25/22
22C1252-03	SB006_3-5	03/25/22
22C1252-05	SB007_1-3	03/25/22
22C1252-07	SB009_0-2	03/25/22
22C1252-09	SB010_8-10	03/25/22
BC22970-BLK1	Blank	03/25/22
BC22970-DUP1	Duplicate	03/25/22
BC22970-MS1	Matrix Spike	03/25/22
BC22970-SRM1	Reference	03/25/22

Batch ID: BC22971 **Preparation Method:** EPA 3050B **Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-01	SB005_4-6	03/25/22
22C1252-03	SB006_3-5	03/25/22
22C1252-05	SB007_1-3	03/25/22
22C1252-07	SB009_0-2	03/25/22
22C1252-09	SB010_8-10	03/25/22
BC22971-BLK1	Blank	03/25/22
BC22971-DUP1	Duplicate	03/25/22
BC22971-MS1	Matrix Spike	03/25/22
BC22971-PS1	Post Spike	03/25/22
BC22971-SRM1	Reference	03/25/22

Batch ID: BC23064 **Preparation Method:** % Solids Prep **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-02	SB005_8	03/28/22



22C1252-04	SB006_9	03/28/22
22C1252-06	SB007_9	03/28/22
BC23064-DUP1	Duplicate	03/28/22

Batch ID: BC23136	Preparation Method: % Solids Prep	Prepared By: MEW

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-01	SB005_4-6	03/29/22
22C1252-03	SB006_3-5	03/29/22
22C1252-05	SB007_1-3	03/29/22
22C1252-07	SB009_0-2	03/29/22
BC23136-DUP1	Duplicate	03/29/22

Batch ID: BC23142	Preparation Method: % Solids Prep	Prepared By: MEW

YORK Sample ID	Client Sample ID	Preparation Date
22C1252-09	SB010_8-10	03/29/22
BC23142-DUP1	Duplicate	03/29/22



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 BC22770 - EPA 5035A

Blank (BC22770-BLK1)

Prepared & Analyzed: 03/23/2022

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	0.0032	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 BC22770 - EPA 5035A

Blank (BC22770-BLK1)

Prepared & Analyzed: 03/23/2022

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	49.0	ug/L	50.0	97.9	77-125
Surrogate: SURR: Toluene-d8	48.6	"	50.0	97.2	85-120
Surrogate: SURR: p-Bromofluorobenzene	48.3	"	50.0	96.7	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 BC22770 - EPA 5035A

Blank (BC22770-BLK2)

Prepared & Analyzed: 03/23/2022

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 BC22770 - EPA 5035A

Blank (BC22770-BLK2)

Prepared & Analyzed: 03/23/2022

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

50.1

ug/L

50.0

100

77-125

Surrogate: SURR: Toluene-d8

49.0

"

50.0

98.0

85-120

Surrogate: SURR: p-Bromofluorobenzene

49.4

"

50.0

98.8

76-130

LCS (BC22770-BS1)

Prepared & Analyzed: 03/23/2022

1,1,1,2-Tetrachloroethane	48.8	ug/L	50.0	97.6	75-129
1,1,1-Trichloroethane	50.0	"	50.0	99.9	71-137
1,1,2,2-Tetrachloroethane	45.8	"	50.0	91.6	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	64.1	"	50.0	128	58-146
1,1,2-Trichloroethane	47.4	"	50.0	94.8	83-123
1,1-Dichloroethane	48.0	"	50.0	96.0	75-130
1,1-Dichloroethylene	62.5	"	50.0	125	64-137
1,1-Dichloropropylene	45.5	"	50.0	91.1	77-127
1,2,3-Trichlorobenzene	46.8	"	50.0	93.5	81-140
1,2,3-Trichloropropane	45.5	"	50.0	91.0	81-126
1,2,4-Trichlorobenzene	47.0	"	50.0	94.1	80-141
1,2,4-Trimethylbenzene	45.7	"	50.0	91.4	84-125
1,2-Dibromo-3-chloropropane	46.6	"	50.0	93.3	74-142
1,2-Dibromoethane	48.8	"	50.0	97.5	86-123
1,2-Dichlorobenzene	47.1	"	50.0	94.1	85-122
1,2-Dichloroethane	48.6	"	50.0	97.3	71-133
1,2-Dichloropropane	47.8	"	50.0	95.6	81-122
1,3,5-Trimethylbenzene	45.2	"	50.0	90.5	82-126
1,3-Dichlorobenzene	46.8	"	50.0	93.6	84-124
1,3-Dichloropropane	46.5	"	50.0	93.0	83-123
1,4-Dichlorobenzene	47.0	"	50.0	94.1	84-124
1,4-Dioxane	987	"	1050	94.0	10-228
2,2-Dichloropropane	53.3	"	50.0	107	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 BC22770 - EPA 5035A											
LCS (BC22770-BS1)						Prepared & Analyzed: 03/23/2022					
2-Butanone	48.0		ug/L	50.0		96.1	58-147				
2-Chlorotoluene	46.8		"	50.0		93.5	78-127				
2-Hexanone	47.1		"	50.0		94.2	70-139				
4-Chlorotoluene	49.5		"	50.0		99.0	79-125				
4-Methyl-2-pentanone	46.4		"	50.0		92.8	72-132				
Acetone	40.0		"	50.0		80.0	36-155				
Acrolein	46.2		"	50.0		92.4	10-238				
Acrylonitrile	45.6		"	50.0		91.2	66-141				
Benzene	48.7		"	50.0		97.4	77-127				
Bromobenzene	45.2		"	50.0		90.4	77-129				
Bromochloromethane	48.6		"	50.0		97.2	74-129				
Bromodichloromethane	49.0		"	50.0		98.1	81-124				
Bromoform	51.7		"	50.0		103	80-136				
Bromomethane	44.8		"	50.0		89.5	32-177				
Carbon disulfide	49.2		"	50.0		98.4	10-136				
Carbon tetrachloride	51.3		"	50.0		103	66-143				
Chlorobenzene	49.6		"	50.0		99.2	86-120				
Chloroethane	54.5		"	50.0		109	51-142				
Chloroform	49.3		"	50.0		98.6	76-131				
Chloromethane	47.6		"	50.0		95.3	49-132				
cis-1,2-Dichloroethylene	48.2		"	50.0		96.4	74-132				
cis-1,3-Dichloropropylene	49.9		"	50.0		99.8	81-129				
Cyclohexane	45.7		"	50.0		91.3	70-130				
Dibromochloromethane	49.8		"	50.0		99.6	10-200				
Dibromomethane	46.6		"	50.0		93.1	83-124				
Dichlorodifluoromethane	48.8		"	50.0		97.5	28-158				
Ethyl Benzene	47.5		"	50.0		94.9	84-125				
Hexachlorobutadiene	46.2		"	50.0		92.3	83-133				
Isopropylbenzene	47.2		"	50.0		94.5	81-127				
Methyl acetate	42.0		"	50.0		84.1	41-143				
Methyl tert-butyl ether (MTBE)	51.4		"	50.0		103	74-131				
Methylcyclohexane	44.9		"	50.0		89.8	70-130				
Methylene chloride	47.2		"	50.0		94.3	57-141				
n-Butylbenzene	44.3		"	50.0		88.6	80-130				
n-Propylbenzene	46.0		"	50.0		92.1	74-136				
o-Xylene	49.6		"	50.0		99.2	83-123				
p- & m- Xylenes	96.6		"	100		96.6	82-128				
p-Isopropyltoluene	46.8		"	50.0		93.5	85-125				
sec-Butylbenzene	46.1		"	50.0		92.3	83-125				
Styrene	47.4		"	50.0		94.8	86-126				
tert-Butyl alcohol (TBA)	219		"	250		87.7	70-130				
tert-Butylbenzene	46.9		"	50.0		93.8	80-127				
Tetrachloroethylene	43.1		"	50.0		86.2	80-129				
Toluene	47.0		"	50.0		94.1	85-121				
trans-1,2-Dichloroethylene	48.3		"	50.0		96.6	72-132				
trans-1,3-Dichloropropylene	50.1		"	50.0		100	78-132				
Trichloroethylene	47.0		"	50.0		93.9	84-123				
Trichlorofluoromethane	51.8		"	50.0		104	62-140				
Vinyl acetate	43.0		"	50.0		86.0	67-136				
Vinyl Chloride	51.9		"	50.0		104	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	49.7		"	50.0		99.4	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	Limit	Flag
Batch BC22770 - EPA 5035A											
LCS (BC22770-BS1)						Prepared & Analyzed: 03/23/2022					
Surrogate: SURR: Toluene-d8	48.9		ug/L	50.0		97.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.5		"	50.0		99.0	76-130				
LCS Dup (BC22770-BSD1)						Prepared & Analyzed: 03/23/2022					
1,1,1,2-Tetrachloroethane	50.5		ug/L	50.0		101	75-129		3.52	30	
1,1,1-Trichloroethane	49.7		"	50.0		99.3	71-137		0.602	30	
1,1,2,2-Tetrachloroethane	47.2		"	50.0		94.4	79-129		3.10	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62.7		"	50.0		125	58-146		2.19	30	
1,1,2-Trichloroethane	48.5		"	50.0		96.9	83-123		2.25	30	
1,1-Dichloroethane	48.6		"	50.0		97.3	75-130		1.32	30	
1,1-Dichloroethylene	62.8		"	50.0		126	64-137		0.431	30	
1,1-Dichloropropylene	45.5		"	50.0		91.0	77-127		0.132	30	
1,2,3-Trichlorobenzene	48.3		"	50.0		96.6	81-140		3.22	30	
1,2,3-Trichloropropane	46.1		"	50.0		92.3	81-126		1.44	30	
1,2,4-Trichlorobenzene	48.1		"	50.0		96.3	80-141		2.27	30	
1,2,4-Trimethylbenzene	46.2		"	50.0		92.4	84-125		1.02	30	
1,2-Dibromo-3-chloropropane	45.6		"	50.0		91.2	74-142		2.25	30	
1,2-Dibromoethane	50.9		"	50.0		102	86-123		4.26	30	
1,2-Dichlorobenzene	47.9		"	50.0		95.9	85-122		1.85	30	
1,2-Dichloroethane	49.7		"	50.0		99.4	71-133		2.18	30	
1,2-Dichloropropane	49.7		"	50.0		99.4	81-122		3.94	30	
1,3,5-Trimethylbenzene	46.4		"	50.0		92.7	82-126		2.47	30	
1,3-Dichlorobenzene	47.4		"	50.0		94.7	84-124		1.21	30	
1,3-Dichloropropane	47.6		"	50.0		95.3	83-123		2.46	30	
1,4-Dichlorobenzene	47.4		"	50.0		94.8	84-124		0.763	30	
1,4-Dioxane	980		"	1050		93.3	10-228		0.685	30	
2,2-Dichloropropane	52.8		"	50.0		106	67-136		0.810	30	
2-Butanone	48.0		"	50.0		95.9	58-147		0.167	30	
2-Chlorotoluene	46.8		"	50.0		93.5	78-127		0.0428	30	
2-Hexanone	46.2		"	50.0		92.4	70-139		1.84	30	
4-Chlorotoluene	50.1		"	50.0		100	79-125		1.20	30	
4-Methyl-2-pentanone	47.1		"	50.0		94.3	72-132		1.60	30	
Acetone	39.0		"	50.0		78.0	36-155		2.51	30	
Acrolein	44.4		"	50.0		88.9	10-238		3.86	30	
Acrylonitrile	45.2		"	50.0		90.5	66-141		0.792	30	
Benzene	49.9		"	50.0		99.8	77-127		2.45	30	
Bromobenzene	45.8		"	50.0		91.7	77-129		1.36	30	
Bromochloromethane	50.0		"	50.0		100	74-129		2.94	30	
Bromodichloromethane	50.5		"	50.0		101	81-124		2.91	30	
Bromoform	53.8		"	50.0		108	80-136		3.87	30	
Bromomethane	46.9		"	50.0		93.7	32-177		4.61	30	
Carbon disulfide	49.8		"	50.0		99.6	10-136		1.19	30	
Carbon tetrachloride	51.2		"	50.0		102	66-143		0.117	30	
Chlorobenzene	50.6		"	50.0		101	86-120		1.98	30	
Chloroethane	54.6		"	50.0		109	51-142		0.275	30	
Chloroform	50.0		"	50.0		100	76-131		1.43	30	
Chloromethane	46.6		"	50.0		93.1	49-132		2.29	30	
cis-1,2-Dichloroethylene	48.6		"	50.0		97.1	74-132		0.806	30	
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129		2.92	30	
Cyclohexane	45.3		"	50.0		90.6	70-130		0.813	30	
Dibromochloromethane	51.8		"	50.0		104	10-200		3.96	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 BC22770 - EPA 5035A

LCS Dup (BC22770-BSD1)

Prepared & Analyzed: 03/23/2022

Dibromomethane	48.4		ug/L	50.0		96.7	83-124		3.81	30	
Dichlorodifluoromethane	48.4		"	50.0		96.7	28-158		0.865	30	
Ethyl Benzene	47.9		"	50.0		95.8	84-125		0.902	30	
Hexachlorobutadiene	47.9		"	50.0		95.9	83-133		3.78	30	
Isopropylbenzene	47.8		"	50.0		95.5	81-127		1.05	30	
Methyl acetate	41.8		"	50.0		83.6	41-143		0.548	30	
Methyl tert-butyl ether (MTBE)	52.6		"	50.0		105	74-131		2.29	30	
Methylcyclohexane	45.9		"	50.0		91.8	70-130		2.18	30	
Methylene chloride	47.9		"	50.0		95.8	57-141		1.58	30	
n-Butylbenzene	44.4		"	50.0		88.8	80-130		0.180	30	
n-Propylbenzene	45.9		"	50.0		91.9	74-136		0.196	30	
o-Xylene	49.6		"	50.0		99.2	83-123		0.0202	30	
p- & m- Xylenes	97.0		"	100		97.0	82-128		0.506	30	
p-Isopropyltoluene	47.0		"	50.0		94.1	85-125		0.576	30	
sec-Butylbenzene	46.4		"	50.0		92.7	83-125		0.497	30	
Styrene	48.0		"	50.0		96.0	86-126		1.17	30	
tert-Butyl alcohol (TBA)	214		"	250		85.8	70-130		2.22	30	
tert-Butylbenzene	47.0		"	50.0		93.9	80-127		0.170	30	
Tetrachloroethylene	44.3		"	50.0		88.6	80-129		2.72	30	
Toluene	47.8		"	50.0		95.7	85-121		1.69	30	
trans-1,2-Dichloroethylene	49.1		"	50.0		98.3	72-132		1.68	30	
trans-1,3-Dichloropropylene	52.4		"	50.0		105	78-132		4.45	30	
Trichloroethylene	47.7		"	50.0		95.4	84-123		1.54	30	
Trichlorofluoromethane	50.6		"	50.0		101	62-140		2.24	30	
Vinyl acetate	42.0		"	50.0		84.0	67-136		2.45	30	
Vinyl Chloride	49.9		"	50.0		99.7	52-130		4.07	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	50.1		"	50.0		100	77-125				
Surrogate: SURR: Toluene-d8	49.2		"	50.0		98.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.4		"	50.0		98.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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	"							
Methylene chloride	1.13	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 BC22848 - EPA 5030B											
Blank (BC22848-BLK1)						Prepared & Analyzed: 03/24/2022					
Naphthalene	ND	2.00	ug/L								
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				
Acrolein	4.78		"	10.0		47.8	10-153				



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

Acrylonitrile	8.34		ug/L	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	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 (Matrix Spike)

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 (Matrix Spike)						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 (Matrix Spike Dup)						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 (Matrix Spike Dup)					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 BC22875 - EPA 5035A

Blank (BC22875-BLK1)	Prepared: 03/24/2022 Analyzed: 03/25/2022										
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 BC22875 - EPA 5035A

Blank (BC22875-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

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

50.0

ug/L

50.0

100

77-125

Surrogate: SURR: Toluene-d8

48.4

"

50.0

96.9

85-120

120 RESEARCH DRIVE

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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 BC22875 - EPA 5035A

Blank (BC22875-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

Surrogate: SURR: p-Bromofluorobenzene 48.9 ug/L 50.0 97.8 76-130

Blank (BC22875-BLK2)

Prepared: 03/24/2022 Analyzed: 03/25/2022

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 BC22875 - EPA 5035A

Blank (BC22875-BLK2)

Prepared: 03/24/2022 Analyzed: 03/25/2022

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	52.0	ug/L	50.0	104	77-125
Surrogate: SURR: Toluene-d8	48.6	"	50.0	97.3	85-120
Surrogate: SURR: p-Bromofluorobenzene	49.0	"	50.0	98.1	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 BC22875 - EPA 5035A

LCS (BC22875-BS1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1,1,2-Tetrachloroethane	53.9		ug/L	50.0		108	75-129				
1,1,1-Trichloroethane	55.9		"	50.0		112	71-137				
1,1,2,2-Tetrachloroethane	49.8		"	50.0		99.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	71.0		"	50.0		142	58-146				
1,1,2-Trichloroethane	50.8		"	50.0		102	83-123				
1,1-Dichloroethane	53.2		"	50.0		106	75-130				
1,1-Dichloroethylene	69.5		"	50.0		139	64-137	High Bias			
1,1-Dichloropropylene	50.9		"	50.0		102	77-127				
1,2,3-Trichlorobenzene	47.7		"	50.0		95.4	81-140				
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	47.5		"	50.0		95.0	80-141				
1,2,4-Trimethylbenzene	50.0		"	50.0		100	84-125				
1,2-Dibromo-3-chloropropane	52.3		"	50.0		105	74-142				
1,2-Dibromoethane	53.5		"	50.0		107	86-123				
1,2-Dichlorobenzene	50.0		"	50.0		99.9	85-122				
1,2-Dichloroethane	52.8		"	50.0		106	71-133				
1,2-Dichloropropane	52.3		"	50.0		105	81-122				
1,3,5-Trimethylbenzene	50.4		"	50.0		101	82-126				
1,3-Dichlorobenzene	49.6		"	50.0		99.1	84-124				
1,3-Dichloropropane	50.7		"	50.0		101	83-123				
1,4-Dichlorobenzene	49.5		"	50.0		99.0	84-124				
1,4-Dioxane	1100		"	1050		105	10-228				
2,2-Dichloropropane	56.6		"	50.0		113	67-136				
2-Butanone	53.6		"	50.0		107	58-147				
2-Chlorotoluene	50.9		"	50.0		102	78-127				
2-Hexanone	49.7		"	50.0		99.4	70-139				
4-Chlorotoluene	53.8		"	50.0		108	79-125				
4-Methyl-2-pentanone	50.4		"	50.0		101	72-132				
Acetone	41.0		"	50.0		82.0	36-155				
Acrolein	47.1		"	50.0		94.2	10-238				
Acrylonitrile	51.3		"	50.0		103	66-141				
Benzene	54.5		"	50.0		109	77-127				
Bromobenzene	48.9		"	50.0		97.8	77-129				
Bromochloromethane	52.6		"	50.0		105	74-129				
Bromodichloromethane	53.7		"	50.0		107	81-124				
Bromoform	56.0		"	50.0		112	80-136				
Bromomethane	50.0		"	50.0		99.9	32-177				
Carbon disulfide	53.5		"	50.0		107	10-136				
Carbon tetrachloride	57.5		"	50.0		115	66-143				
Chlorobenzene	54.4		"	50.0		109	86-120				
Chloroethane	59.7		"	50.0		119	51-142				
Chloroform	54.7		"	50.0		109	76-131				
Chloromethane	47.6		"	50.0		95.2	49-132				
cis-1,2-Dichloroethylene	52.9		"	50.0		106	74-132				
cis-1,3-Dichloropropylene	52.9		"	50.0		106	81-129				
Cyclohexane	51.1		"	50.0		102	70-130				
Dibromochloromethane	54.5		"	50.0		109	10-200				
Dibromomethane	50.6		"	50.0		101	83-124				
Dichlorodifluoromethane	42.8		"	50.0		85.6	28-158				
Ethyl Benzene	52.7		"	50.0		105	84-125				
Hexachlorobutadiene	52.2		"	50.0		104	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 BC22875 - EPA 5035A

LCS (BC22875-BS1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

Isopropylbenzene	53.2		ug/L	50.0		106	81-127				
Methyl acetate	46.3		"	50.0		92.6	41-143				
Methyl tert-butyl ether (MTBE)	53.6		"	50.0		107	74-131				
Methylcyclohexane	51.6		"	50.0		103	70-130				
Methylene chloride	51.4		"	50.0		103	57-141				
n-Butylbenzene	48.9		"	50.0		97.7	80-130				
n-Propylbenzene	50.6		"	50.0		101	74-136				
o-Xylene	53.5		"	50.0		107	83-123				
p- & m- Xylenes	105		"	100		105	82-128				
p-Isopropyltoluene	52.0		"	50.0		104	85-125				
sec-Butylbenzene	52.0		"	50.0		104	83-125				
Styrene	51.5		"	50.0		103	86-126				
tert-Butyl alcohol (TBA)	240		"	250		95.9	70-130				
tert-Butylbenzene	52.9		"	50.0		106	80-127				
Tetrachloroethylene	48.1		"	50.0		96.2	80-129				
Toluene	51.9		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	53.9		"	50.0		108	72-132				
trans-1,3-Dichloropropylene	53.0		"	50.0		106	78-132				
Trichloroethylene	52.7		"	50.0		105	84-123				
Trichlorofluoromethane	55.6		"	50.0		111	62-140				
Vinyl acetate	44.6		"	50.0		89.1	67-136				
Vinyl Chloride	53.4		"	50.0		107	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	49.6		"	50.0		99.1	77-125				
Surrogate: SURR: Toluene-d8	49.1		"	50.0		98.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.5		"	50.0		99.0	76-130				

LCS Dup (BC22875-BS1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1,1,2-Tetrachloroethane	50.0		ug/L	50.0		100	75-129		7.49	30	
1,1,1-Trichloroethane	53.6		"	50.0		107	71-137		4.24	30	
1,1,2,2-Tetrachloroethane	47.4		"	50.0		94.8	79-129		4.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	65.9		"	50.0		132	58-146		7.48	30	
1,1,2-Trichloroethane	47.9		"	50.0		95.7	83-123		5.96	30	
1,1-Dichloroethane	48.9		"	50.0		97.8	75-130		8.31	30	
1,1-Dichloroethylene	63.0		"	50.0		126	64-137		9.73	30	
1,1-Dichloropropylene	47.3		"	50.0		94.6	77-127		7.31	30	
1,2,3-Trichlorobenzene	46.5		"	50.0		92.9	81-140		2.59	30	
1,2,3-Trichloropropane	47.7		"	50.0		95.4	81-126		5.18	30	
1,2,4-Trichlorobenzene	45.8		"	50.0		91.6	80-141		3.56	30	
1,2,4-Trimethylbenzene	46.8		"	50.0		93.6	84-125		6.73	30	
1,2-Dibromo-3-chloropropane	49.1		"	50.0		98.2	74-142		6.31	30	
1,2-Dibromoethane	49.8		"	50.0		99.6	86-123		7.15	30	
1,2-Dichlorobenzene	47.3		"	50.0		94.6	85-122		5.53	30	
1,2-Dichloroethane	51.4		"	50.0		103	71-133		2.74	30	
1,2-Dichloropropane	48.4		"	50.0		96.9	81-122		7.72	30	
1,3,5-Trimethylbenzene	47.3		"	50.0		94.6	82-126		6.37	30	
1,3-Dichlorobenzene	47.0		"	50.0		93.9	84-124		5.39	30	
1,3-Dichloropropane	47.0		"	50.0		94.1	83-123		7.49	30	
1,4-Dichlorobenzene	47.1		"	50.0		94.1	84-124		5.09	30	
1,4-Dioxane	1060		"	1050		101	10-228		4.47	30	
2,2-Dichloropropane	52.7		"	50.0		105	67-136		7.10	30	
2-Butanone	47.2		"	50.0		94.3	58-147		12.9	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 BC22875 - EPA 5035A											
LCS Dup (BC22875-BSD1)						Prepared: 03/24/2022 Analyzed: 03/25/2022					
2-Chlorotoluene	47.6		ug/L	50.0		95.1	78-127		6.78	30	
2-Hexanone	46.9		"	50.0		93.9	70-139		5.69	30	
4-Chlorotoluene	50.7		"	50.0		101	79-125		5.94	30	
4-Methyl-2-pentanone	48.2		"	50.0		96.5	72-132		4.36	30	
Acetone	38.9		"	50.0		77.8	36-155		5.26	30	
Acrolein	43.6		"	50.0		87.2	10-238		7.67	30	
Acrylonitrile	48.6		"	50.0		97.2	66-141		5.50	30	
Benzene	49.3		"	50.0		98.7	77-127		9.96	30	
Bromobenzene	45.5		"	50.0		91.1	77-129		7.14	30	
Bromochloromethane	48.1		"	50.0		96.3	74-129		8.80	30	
Bromodichloromethane	50.2		"	50.0		100	81-124		6.68	30	
Bromoform	52.5		"	50.0		105	80-136		6.58	30	
Bromomethane	46.6		"	50.0		93.2	32-177		6.98	30	
Carbon disulfide	49.0		"	50.0		98.0	10-136		8.72	30	
Carbon tetrachloride	54.9		"	50.0		110	66-143		4.57	30	
Chlorobenzene	50.5		"	50.0		101	86-120		7.36	30	
Chloroethane	56.1		"	50.0		112	51-142		6.25	30	
Chloroform	52.0		"	50.0		104	76-131		5.04	30	
Chloromethane	43.7		"	50.0		87.4	49-132		8.54	30	
cis-1,2-Dichloroethylene	48.8		"	50.0		97.5	74-132		8.16	30	
cis-1,3-Dichloropropylene	48.8		"	50.0		97.6	81-129		8.14	30	
Cyclohexane	46.0		"	50.0		92.0	70-130		10.5	30	
Dibromochloromethane	50.4		"	50.0		101	10-200		7.80	30	
Dibromomethane	48.0		"	50.0		96.0	83-124		5.39	30	
Dichlorodifluoromethane	39.4		"	50.0		78.9	28-158		8.19	30	
Ethyl Benzene	48.4		"	50.0		96.8	84-125		8.53	30	
Hexachlorobutadiene	49.1		"	50.0		98.2	83-133		6.24	30	
Isopropylbenzene	49.3		"	50.0		98.6	81-127		7.57	30	
Methyl acetate	43.0		"	50.0		86.0	41-143		7.37	30	
Methyl tert-butyl ether (MTBE)	51.4		"	50.0		103	74-131		4.30	30	
Methylcyclohexane	46.9		"	50.0		93.8	70-130		9.40	30	
Methylene chloride	46.6		"	50.0		93.2	57-141		9.74	30	
n-Butylbenzene	45.9		"	50.0		91.9	80-130		6.18	30	
n-Propylbenzene	47.3		"	50.0		94.6	74-136		6.78	30	
o-Xylene	49.4		"	50.0		98.8	83-123		8.05	30	
p- & m- Xylenes	97.4		"	100		97.4	82-128		7.46	30	
p-Isopropyltoluene	48.5		"	50.0		97.0	85-125		6.83	30	
sec-Butylbenzene	48.1		"	50.0		96.2	83-125		7.81	30	
Styrene	47.6		"	50.0		95.2	86-126		7.75	30	
tert-Butyl alcohol (TBA)	240		"	250		96.1	70-130		0.271	30	
tert-Butylbenzene	49.0		"	50.0		97.9	80-127		7.72	30	
Tetrachloroethylene	44.8		"	50.0		89.6	80-129		7.10	30	
Toluene	47.8		"	50.0		95.5	85-121		8.27	30	
trans-1,2-Dichloroethylene	48.9		"	50.0		97.8	72-132		9.76	30	
trans-1,3-Dichloropropylene	48.8		"	50.0		97.7	78-132		8.11	30	
Trichloroethylene	48.7		"	50.0		97.5	84-123		7.73	30	
Trichlorofluoromethane	52.0		"	50.0		104	62-140		6.81	30	
Vinyl acetate	35.8		"	50.0		71.5	67-136		21.9	30	
Vinyl Chloride	49.2		"	50.0		98.5	52-130		8.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.8		"	50.0		99.5	77-125				
Surrogate: SURR: Toluene-d8	48.1		"	50.0		96.2	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 BC22875 - EPA 5035A

LCS Dup (BC22875-BSD1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

Surrogate: *SURR: p-Bromofluorobenzene* 49.3 ug/L 50.0 98.6 76-130

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	"
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 BC22933 - EPA 5030B

Blank (BC22933-BLK1)

Prepared & Analyzed: 03/25/2022

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	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 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 BC22944 - EPA 5035A

Blank (BC22944-BLK1)

Prepared & Analyzed: 03/25/2022

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 BC22944 - EPA 5035A

Blank (BC22944-BLK1)

Prepared & Analyzed: 03/25/2022

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

53.0

ug/L

50.0

106

77-125

Surrogate: SURR: Toluene-d8

47.6

"

50.0

95.1

85-120

Surrogate: SURR: p-Bromofluorobenzene

47.1

"

50.0

94.2

76-130

Blank (BC22944-BLK2)

Prepared & Analyzed: 03/25/2022

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	"





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 BC22944 - EPA 5035A

Blank (BC22944-BLK2)

Prepared & Analyzed: 03/25/2022

2-Butanone	ND	0.0050	mg/kg wet
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	"
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	"



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 BC22944 - EPA 5035A											
Blank (BC22944-BLK2)						Prepared & Analyzed: 03/25/2022					
Surrogate: SURR: 1,2-Dichloroethane-d4	52.3		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	48.2		"	50.0		96.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.6		"	50.0		95.3	76-130				
LCS (BC22944-BS1)						Prepared & Analyzed: 03/25/2022					
1,1,1,2-Tetrachloroethane	57.6		ug/L	50.0		115	75-129				
1,1,1-Trichloroethane	58.1		"	50.0		116	71-137				
1,1,2,2-Tetrachloroethane	54.3		"	50.0		109	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	69.6		"	50.0		139	58-146				
1,1,2-Trichloroethane	55.8		"	50.0		112	83-123				
1,1-Dichloroethane	57.2		"	50.0		114	75-130				
1,1-Dichloroethylene	73.4		"	50.0		147	64-137	High Bias			
1,1-Dichloropropylene	53.6		"	50.0		107	77-127				
1,2,3-Trichlorobenzene	54.6		"	50.0		109	81-140				
1,2,3-Trichloropropane	54.1		"	50.0		108	81-126				
1,2,4-Trichlorobenzene	54.2		"	50.0		108	80-141				
1,2,4-Trimethylbenzene	52.3		"	50.0		105	84-125				
1,2-Dibromo-3-chloropropane	55.5		"	50.0		111	74-142				
1,2-Dibromoethane	58.3		"	50.0		117	86-123				
1,2-Dichlorobenzene	54.3		"	50.0		109	85-122				
1,2-Dichloroethane	58.5		"	50.0		117	71-133				
1,2-Dichloropropane	56.4		"	50.0		113	81-122				
1,3,5-Trimethylbenzene	51.8		"	50.0		104	82-126				
1,3-Dichlorobenzene	53.1		"	50.0		106	84-124				
1,3-Dichloropropane	55.2		"	50.0		110	83-123				
1,4-Dichlorobenzene	53.6		"	50.0		107	84-124				
1,4-Dioxane	1120		"	1050		107	10-228				
2,2-Dichloropropane	66.4		"	50.0		133	67-136				
2-Butanone	59.2		"	50.0		118	58-147				
2-Chlorotoluene	52.6		"	50.0		105	78-127				
2-Hexanone	52.4		"	50.0		105	70-139				
4-Chlorotoluene	56.1		"	50.0		112	79-125				
4-Methyl-2-pentanone	53.0		"	50.0		106	72-132				
Acetone	43.8		"	50.0		87.5	36-155				
Acrolein	54.8		"	50.0		110	10-238				
Acrylonitrile	54.0		"	50.0		108	66-141				
Benzene	57.8		"	50.0		116	77-127				
Bromobenzene	51.4		"	50.0		103	77-129				
Bromochloromethane	59.0		"	50.0		118	74-129				
Bromodichloromethane	58.4		"	50.0		117	81-124				
Bromoform	62.9		"	50.0		126	80-136				
Bromomethane	52.0		"	50.0		104	32-177				
Carbon disulfide	59.1		"	50.0		118	10-136				
Carbon tetrachloride	60.8		"	50.0		122	66-143				
Chlorobenzene	57.4		"	50.0		115	86-120				
Chloroethane	60.0		"	50.0		120	51-142				
Chloroform	58.4		"	50.0		117	76-131				
Chloromethane	52.0		"	50.0		104	49-132				
cis-1,2-Dichloroethylene	57.1		"	50.0		114	74-132				
cis-1,3-Dichloropropylene	58.7		"	50.0		117	81-129				
Cyclohexane	50.7		"	50.0		101	70-130				



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 BC22944 - EPA 5035A

LCS (BC22944-BS1)

Prepared & Analyzed: 03/25/2022

Dibromochloromethane	61.3		ug/L	50.0		123	10-200				
Dibromomethane	56.0		"	50.0		112	83-124				
Dichlorodifluoromethane	60.4		"	50.0		121	28-158				
Ethyl Benzene	54.8		"	50.0		110	84-125				
Hexachlorobutadiene	52.5		"	50.0		105	83-133				
Isopropylbenzene	53.6		"	50.0		107	81-127				
Methyl acetate	47.4		"	50.0		94.9	41-143				
Methyl tert-butyl ether (MTBE)	59.2		"	50.0		118	74-131				
Methylcyclohexane	50.5		"	50.0		101	70-130				
Methylene chloride	55.2		"	50.0		110	57-141				
n-Butylbenzene	50.3		"	50.0		101	80-130				
n-Propylbenzene	51.8		"	50.0		104	74-136				
o-Xylene	56.4		"	50.0		113	83-123				
p- & m- Xylenes	111		"	100		111	82-128				
p-Isopropyltoluene	52.7		"	50.0		105	85-125				
sec-Butylbenzene	52.3		"	50.0		105	83-125				
Styrene	55.0		"	50.0		110	86-126				
tert-Butyl alcohol (TBA)	274		"	250		110	70-130				
tert-Butylbenzene	52.6		"	50.0		105	80-127				
Tetrachloroethylene	50.0		"	50.0		100	80-129				
Toluene	53.9		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	56.4		"	50.0		113	72-132				
trans-1,3-Dichloropropylene	60.9		"	50.0		122	78-132				
Trichloroethylene	55.0		"	50.0		110	84-123				
Trichlorofluoromethane	57.3		"	50.0		115	62-140				
Vinyl acetate	67.6		"	50.0		135	67-136				
Vinyl Chloride	57.2		"	50.0		114	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.0		"	50.0		99.9	77-125				
Surrogate: SURR: Toluene-d8	48.2		"	50.0		96.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.8		"	50.0		97.6	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 BC22944 - EPA 5035A											
LCS Dup (BC22944-BSD1)						Prepared & Analyzed: 03/25/2022					
1,1,1,2-Tetrachloroethane	55.1		ug/L	50.0		110	75-129		4.40	30	
1,1,1-Trichloroethane	54.8		"	50.0		110	71-137		5.90	30	
1,1,2,2-Tetrachloroethane	52.8		"	50.0		106	79-129		2.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62.1		"	50.0		124	58-146		11.4	30	
1,1,2-Trichloroethane	53.2		"	50.0		106	83-123		4.70	30	
1,1-Dichloroethane	53.6		"	50.0		107	75-130		6.41	30	
1,1-Dichloroethylene	68.5		"	50.0		137	64-137		6.96	30	
1,1-Dichloropropylene	50.6		"	50.0		101	77-127		5.78	30	
1,2,3-Trichlorobenzene	51.3		"	50.0		103	81-140		6.12	30	
1,2,3-Trichloropropane	52.5		"	50.0		105	81-126		3.00	30	
1,2,4-Trichlorobenzene	51.2		"	50.0		102	80-141		5.60	30	
1,2,4-Trimethylbenzene	49.3		"	50.0		98.6	84-125		5.94	30	
1,2-Dibromo-3-chloropropane	52.6		"	50.0		105	74-142		5.48	30	
1,2-Dibromoethane	56.0		"	50.0		112	86-123		4.15	30	
1,2-Dichlorobenzene	51.7		"	50.0		103	85-122		5.00	30	
1,2-Dichloroethane	56.4		"	50.0		113	71-133		3.59	30	
1,2-Dichloropropane	52.9		"	50.0		106	81-122		6.42	30	
1,3,5-Trimethylbenzene	48.7		"	50.0		97.3	82-126		6.31	30	
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124		5.56	30	
1,3-Dichloropropane	52.8		"	50.0		106	83-123		4.50	30	
1,4-Dichlorobenzene	50.8		"	50.0		102	84-124		5.19	30	
1,4-Dioxane	1040		"	1050		98.7	10-228		7.79	30	
2,2-Dichloropropane	60.0		"	50.0		120	67-136		10.2	30	
2-Butanone	51.1		"	50.0		102	58-147		14.6	30	
2-Chlorotoluene	49.6		"	50.0		99.2	78-127		5.79	30	
2-Hexanone	50.0		"	50.0		100	70-139		4.76	30	
4-Chlorotoluene	48.3		"	50.0		96.6	79-125		14.9	30	
4-Methyl-2-pentanone	50.9		"	50.0		102	72-132		3.99	30	
Acetone	39.4		"	50.0		78.7	36-155		10.6	30	
Acrolein	47.1		"	50.0		94.2	10-238		15.1	30	
Acrylonitrile	51.9		"	50.0		104	66-141		3.97	30	
Benzene	54.8		"	50.0		110	77-127		5.34	30	
Bromobenzene	49.0		"	50.0		98.1	77-129		4.66	30	
Bromochloromethane	55.9		"	50.0		112	74-129		5.38	30	
Bromodichloromethane	54.9		"	50.0		110	81-124		6.11	30	
Bromoform	59.8		"	50.0		120	80-136		5.05	30	
Bromomethane	48.3		"	50.0		96.6	32-177		7.46	30	
Carbon disulfide	56.1		"	50.0		112	10-136		5.19	30	
Carbon tetrachloride	56.8		"	50.0		114	66-143		6.74	30	
Chlorobenzene	54.3		"	50.0		109	86-120		5.64	30	
Chloroethane	55.2		"	50.0		110	51-142		8.49	30	
Chloroform	55.7		"	50.0		111	76-131		4.63	30	
Chloromethane	49.0		"	50.0		98.0	49-132		6.00	30	
cis-1,2-Dichloroethylene	54.2		"	50.0		108	74-132		5.21	30	
cis-1,3-Dichloropropylene	56.0		"	50.0		112	81-129		4.67	30	
Cyclohexane	47.5		"	50.0		95.0	70-130		6.53	30	
Dibromochloromethane	57.4		"	50.0		115	10-200		6.50	30	
Dibromomethane	53.7		"	50.0		107	83-124		4.14	30	
Dichlorodifluoromethane	56.3		"	50.0		113	28-158		6.97	30	
Ethyl Benzene	51.3		"	50.0		103	84-125		6.58	30	
Hexachlorobutadiene	49.8		"	50.0		99.6	83-133		5.22	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 BC22944 - EPA 5035A

LCS Dup (BC22944-BSD1)

Prepared & Analyzed: 03/25/2022

Isopropylbenzene	50.5		ug/L	50.0		101	81-127		5.92	30	
Methyl acetate	47.5		"	50.0		95.0	41-143		0.147	30	
Methyl tert-butyl ether (MTBE)	56.6		"	50.0		113	74-131		4.46	30	
Methylcyclohexane	46.4		"	50.0		92.7	70-130		8.61	30	
Methylene chloride	53.0		"	50.0		106	57-141		3.99	30	
n-Butylbenzene	47.1		"	50.0		94.3	80-130		6.57	30	
n-Propylbenzene	48.6		"	50.0		97.2	74-136		6.49	30	
o-Xylene	53.3		"	50.0		107	83-123		5.56	30	
p- & m- Xylenes	104		"	100		104	82-128		6.65	30	
p-Isopropyltoluene	49.8		"	50.0		99.6	85-125		5.68	30	
sec-Butylbenzene	49.1		"	50.0		98.1	83-125		6.37	30	
Styrene	51.8		"	50.0		104	86-126		6.05	30	
tert-Butyl alcohol (TBA)	237		"	250		94.7	70-130		14.5	30	
tert-Butylbenzene	49.8		"	50.0		99.6	80-127		5.56	30	
Tetrachloroethylene	46.5		"	50.0		93.0	80-129		7.31	30	
Toluene	50.6		"	50.0		101	85-121		6.35	30	
trans-1,2-Dichloroethylene	53.4		"	50.0		107	72-132		5.34	30	
trans-1,3-Dichloropropylene	58.4		"	50.0		117	78-132		4.21	30	
Trichloroethylene	51.1		"	50.0		102	84-123		7.39	30	
Trichlorofluoromethane	54.2		"	50.0		108	62-140		5.54	30	
Vinyl acetate	67.5		"	50.0		135	67-136		0.237	30	
Vinyl Chloride	53.6		"	50.0		107	52-130		6.41	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	51.3		"	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	47.8		"	50.0		95.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.0		"	50.0		98.1	76-130				



Semivolatile 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 BC22852 - EPA 3550C

Blank (BC22852-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2,4-Trichlorobenzene	ND	0.0416	"
1,2-Dichlorobenzene	ND	0.0416	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
1,3-Dichlorobenzene	ND	0.0416	"
1,4-Dichlorobenzene	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"
Benzo(a)anthracene	ND	0.0416	"
Benzo(a)pyrene	ND	0.0416	"
Benzo(b)fluoranthene	ND	0.0416	"
Benzo(g,h,i)perylene	ND	0.0416	"
Benzo(k)fluoranthene	ND	0.0416	"
Benzoic acid	ND	0.0416	"
Benzyl alcohol	ND	0.0416	"
Benzyl butyl phthalate	ND	0.0416	"
Bis(2-chloroethoxy)methane	ND	0.0416	"
Bis(2-chloroethyl)ether	ND	0.0416	"
Bis(2-chloroisopropyl)ether	ND	0.0416	"
Bis(2-ethylhexyl)phthalate	ND	0.0416	"





Semivolatile 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 BC22852 - EPA 3550C

Blank (BC22852-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.01		"	1.66		61.1	20-108				
Surrogate: SURR: Phenol-d5	1.01		"	1.66		60.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.506		"	0.831		61.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.547		"	0.831		65.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.25		"	1.66		75.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.564		"	0.831		67.9	24-116				



Semivolatile 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 BC22852 - EPA 3550C											
LCS (BC22852-BS1)						Prepared: 03/24/2022 Analyzed: 03/25/2022					
1,1-Biphenyl	0.564	0.0416	mg/kg wet	0.831		67.9	18-111				
1,2,4,5-Tetrachlorobenzene	0.648	0.0830	"	0.831		78.0	21-131				
1,2,4-Trichlorobenzene	0.560	0.0416	"	0.831		67.4	10-140				
1,2-Dichlorobenzene	0.560	0.0416	"	0.831		67.4	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.479	0.0416	"	0.831		57.7	17-137				
1,3-Dichlorobenzene	0.573	0.0416	"	0.831		69.0	33-110				
1,4-Dichlorobenzene	0.595	0.0416	"	0.831		71.7	32-104				
2,3,4,6-Tetrachlorophenol	0.545	0.0830	"	0.831		65.6	30-130				
2,4,5-Trichlorophenol	0.532	0.0416	"	0.831		64.1	27-118				
2,4,6-Trichlorophenol	0.570	0.0416	"	0.831		68.7	31-120				
2,4-Dichlorophenol	0.607	0.0416	"	0.831		73.1	20-127				
2,4-Dimethylphenol	0.538	0.0416	"	0.831		64.7	14-132				
2,4-Dinitrophenol	0.339	0.0830	"	0.831		40.8	10-171				
2,4-Dinitrotoluene	0.648	0.0416	"	0.831		78.0	34-131				
2,6-Dinitrotoluene	0.652	0.0416	"	0.831		78.5	31-128				
2-Chloronaphthalene	0.628	0.0416	"	0.831		75.6	31-117				
2-Chlorophenol	0.592	0.0416	"	0.831		71.3	33-113				
2-Methylnaphthalene	0.564	0.0416	"	0.831		68.0	12-138				
2-Methylphenol	0.631	0.0416	"	0.831		76.0	10-136				
2-Nitroaniline	0.620	0.0830	"	0.831		74.6	27-132				
2-Nitrophenol	0.610	0.0416	"	0.831		73.5	17-129				
3- & 4-Methylphenols	0.588	0.0416	"	0.831		70.8	29-103				
3,3-Dichlorobenzidine	0.436	0.0416	"	0.831		52.5	22-149				
3-Nitroaniline	0.473	0.0830	"	0.831		56.9	20-133				
4,6-Dinitro-2-methylphenol	0.357	0.0830	"	0.831		43.0	10-143				
4-Bromophenyl phenyl ether	0.579	0.0416	"	0.831		69.8	29-120				
4-Chloro-3-methylphenol	0.567	0.0416	"	0.831		68.3	24-129				
4-Chloroaniline	0.333	0.0416	"	0.831		40.1	10-132				
4-Chlorophenyl phenyl ether	0.532	0.0416	"	0.831		64.0	27-124				
4-Nitroaniline	0.511	0.0830	"	0.831		61.5	16-128				
4-Nitrophenol	0.529	0.0830	"	0.831		63.7	10-141				
Acenaphthene	0.569	0.0416	"	0.831		68.5	30-121				
Acenaphthylene	0.555	0.0416	"	0.831		66.8	30-115				
Acetophenone	0.550	0.0416	"	0.831		66.2	20-112				
Aniline	0.534	0.166	"	0.831		64.3	10-119				
Anthracene	0.576	0.0416	"	0.831		69.3	34-118				
Atrazine	0.592	0.0416	"	0.831		71.2	26-112				
Benzaldehyde	0.550	0.0416	"	0.831		66.2	21-100				
Benzo(a)anthracene	0.578	0.0416	"	0.831		69.6	32-122				
Benzo(a)pyrene	0.567	0.0416	"	0.831		68.2	29-133				
Benzo(b)fluoranthene	0.649	0.0416	"	0.831		78.2	25-133				
Benzo(g,h,i)perylene	0.663	0.0416	"	0.831		79.9	10-143				
Benzo(k)fluoranthene	0.538	0.0416	"	0.831		64.8	25-128				
Benzoic acid	0.396	0.0416	"	0.831		47.6	10-140				
Benzyl alcohol	0.571	0.0416	"	0.831		68.8	30-115				
Benzyl butyl phthalate	0.575	0.0416	"	0.831		69.3	26-126				
Bis(2-chloroethoxy)methane	0.558	0.0416	"	0.831		67.2	19-132				
Bis(2-chloroethyl)ether	0.551	0.0416	"	0.831		66.4	19-125				
Bis(2-chloroisopropyl)ether	0.577	0.0416	"	0.831		69.5	20-135				
Bis(2-ethylhexyl)phthalate	0.622	0.0416	"	0.831		74.9	10-155				
Caprolactam	0.531	0.0830	"	0.831		64.0	10-127				



Semivolatile 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 BC22852 - EPA 3550C

LCS (BC22852-BS1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

Carbazole	0.514	0.0416	mg/kg wet	0.831		61.8	35-123				
Chrysene	0.536	0.0416	"	0.831		64.5	32-123				
Dibenzo(a,h)anthracene	0.712	0.0416	"	0.831		85.8	10-136				
Dibenzofuran	0.585	0.0416	"	0.831		70.4	29-121				
Diethyl phthalate	0.540	0.0416	"	0.831		65.0	34-116				
Dimethyl phthalate	0.555	0.0416	"	0.831		66.9	35-124				
Di-n-butyl phthalate	0.517	0.0416	"	0.831		62.2	31-116				
Di-n-octyl phthalate	0.672	0.0416	"	0.831		81.0	26-136				
Fluoranthene	0.501	0.0416	"	0.831		60.4	33-122				
Fluorene	0.579	0.0416	"	0.831		69.7	29-123				
Hexachlorobenzene	0.475	0.0416	"	0.831		57.2	21-124				
Hexachlorobutadiene	0.607	0.0416	"	0.831		73.0	10-149				
Hexachlorocyclopentadiene	0.549	0.0416	"	0.831		66.1	10-129				
Hexachloroethane	0.554	0.0416	"	0.831		66.8	28-108				
Indeno(1,2,3-cd)pyrene	0.710	0.0416	"	0.831		85.4	10-135				
Isophorone	0.508	0.0416	"	0.831		61.2	20-132				
Naphthalene	0.600	0.0416	"	0.831		72.2	23-124				
Nitrobenzene	0.531	0.0416	"	0.831		64.0	13-132				
N-Nitrosodimethylamine	1.00	0.0416	"	0.831		121	11-129				
N-nitroso-di-n-propylamine	0.545	0.0416	"	0.831		65.6	24-119				
N-Nitrosodiphenylamine	0.626	0.0416	"	0.831		75.3	22-152				
Pentachlorophenol	0.505	0.0416	"	0.831		60.8	10-139				
Phenanthrene	0.536	0.0416	"	0.831		64.5	33-123				
Phenol	0.602	0.0416	"	0.831		72.5	23-115				
Pyrene	0.549	0.0416	"	0.831		66.1	24-130				
Pyridine	0.860	0.166	"	0.831		104	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	1.13		"	1.66		68.2	20-108				
Surrogate: SURR: Phenol-d5	1.17		"	1.66		70.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.538		"	0.831		64.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.594		"	0.831		71.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.37		"	1.66		82.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.617		"	0.831		74.3	24-116				



Semivolatile 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 BC22856 - EPA 3510C

Blank (BC22856-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"



Semivolatile 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 BC22856 - EPA 3510C

Blank (BC22856-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	15.6		"	50.0		31.2	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.12		"	50.0		18.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	15.7		"	25.0		62.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.4		"	25.0		61.5	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	35.1		"	50.0		70.2	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.0		"	25.0		75.8	30.7-106				

LCS (BC22856-BS1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1-Biphenyl	15.0	5.00	ug/L	25.0		60.0	33-95				
1,2,4,5-Tetrachlorobenzene	13.4	5.00	"	25.0		53.4	26-120				
1,2,4-Trichlorobenzene	12.5	5.00	"	25.0		49.9	20-118				
1,2-Dichlorobenzene	12.1	5.00	"	25.0		48.4	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	15.0	5.00	"	25.0		59.9	16-141				
1,3-Dichlorobenzene	11.9	5.00	"	25.0		47.4	23-117				
1,4-Dichlorobenzene	12.1	5.00	"	25.0		48.5	30-105				
2,3,4,6-Tetrachlorophenol	17.6	5.00	"	25.0		70.6	30-130				
2,4,5-Trichlorophenol	14.4	5.00	"	25.0		57.8	32-114				
2,4,6-Trichlorophenol	14.6	5.00	"	25.0		58.4	35-118				
2,4-Dichlorophenol	15.0	5.00	"	25.0		60.1	25-116				
2,4-Dimethylphenol	15.0	5.00	"	25.0		60.0	15-116				
2,4-Dinitrophenol	19.3	5.00	"	25.0		77.3	10-170				
2,4-Dinitrotoluene	15.5	5.00	"	25.0		62.2	41-128				
2,6-Dinitrotoluene	16.3	5.00	"	25.0		65.3	45-116				
2-Chloronaphthalene	13.4	5.00	"	25.0		53.5	33-112				
2-Chlorophenol	12.8	5.00	"	25.0		51.3	15-120				
2-Methylnaphthalene	14.0	5.00	"	25.0		56.0	24-118				
2-Methylphenol	11.4	5.00	"	25.0		45.8	10-110				
2-Nitroaniline	15.3	5.00	"	25.0		61.3	34-129				
2-Nitrophenol	14.4	5.00	"	25.0		57.6	28-118				
3- & 4-Methylphenols	9.16	5.00	"	25.0		36.6	10-107				
3,3-Dichlorobenzidine	11.1	5.00	"	25.0		44.6	15-187				
3-Nitroaniline	14.2	5.00	"	25.0		56.9	24-134				
4,6-Dinitro-2-methylphenol	18.1	5.00	"	25.0		72.6	10-153				
4-Bromophenyl phenyl ether	14.3	5.00	"	25.0		57.4	34-120				
4-Chloro-3-methylphenol	15.2	5.00	"	25.0		60.8	20-120				
4-Chloroaniline	13.2	5.00	"	25.0		52.6	10-147				
4-Chlorophenyl phenyl ether	14.4	5.00	"	25.0		57.6	27-121				
4-Nitroaniline	14.4	5.00	"	25.0		57.7	13-134				
4-Nitrophenol	7.63	5.00	"	25.0		30.5	10-131				
Acetophenone	14.8	5.00	"	25.0		59.1	25-110				
Aniline	9.65	5.00	"	25.0		38.6	10-117				
Benzaldehyde	14.6	5.00	"	25.0		58.5	29-117				
Benzoic acid	5.06	5.00	"	25.0		20.2	30-130	Low Bias			
Benzyl alcohol	9.07	5.00	"	25.0		36.3	10-117				
Benzyl butyl phthalate	17.9	5.00	"	25.0		71.6	29-133				
Bis(2-chloroethoxy)methane	13.4	5.00	"	25.0		53.8	10-154				
Bis(2-chloroethyl)ether	12.4	5.00	"	25.0		49.8	17-125				
Bis(2-chloroisopropyl)ether	12.5	5.00	"	25.0		50.0	10-139				



Semivolatile 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 BC22856 - EPA 3510C											
LCS (BC22856-BS1)						Prepared: 03/24/2022 Analyzed: 03/25/2022					
Caprolactam	2.89	5.00	ug/L	25.0		11.6	10-137				
Carbazole	15.6	5.00	"	25.0		62.6	42-126				
Dibenzofuran	14.4	5.00	"	25.0		57.7	36-113				
Diethyl phthalate	15.3	5.00	"	25.0		61.2	38-115				
Dimethyl phthalate	15.0	5.00	"	25.0		60.0	38-129				
Di-n-butyl phthalate	15.8	5.00	"	25.0		63.0	31-120				
Di-n-octyl phthalate	13.4	5.00	"	25.0		53.7	21-149				
Hexachlorocyclopentadiene	13.1	10.0	"	25.0		52.3	10-130				
Isophorone	14.4	5.00	"	25.0		57.5	25-127				
N-nitroso-di-n-propylamine	13.5	5.00	"	25.0		53.9	26-122				
N-Nitrosodiphenylamine	18.0	5.00	"	25.0		72.2	23-149				
Phenol	4.58	5.00	"	25.0		18.3	10-110				
Pyridine	4.09	5.00	"	25.5		16.0	10-90				
Surrogate: SURR: 2-Fluorophenol	15.2		"	50.0		30.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.53		"	50.0		19.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	15.0		"	25.0		60.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	14.8		"	25.0		59.3	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	36.0		"	50.0		72.1	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.9		"	25.0		71.6	30.7-106				
Matrix Spike (BC22856-MS1)		*Source sample: 22C1331-03 (Matrix Spike)						Prepared: 03/24/2022 Analyzed: 03/25/2022			
1,1-Biphenyl	18.2	5.41	ug/L	27.0	ND	67.5	26-79				
1,2,4,5-Tetrachlorobenzene	16.9	5.41	"	27.0	ND	62.4	33-90				
1,2,4-Trichlorobenzene	16.4	5.41	"	27.0	ND	60.6	31-88				
1,2-Dichlorobenzene	16.4	5.41	"	27.0	ND	60.8	24-93				
1,2-Diphenylhydrazine (as Azobenzene)	17.9	5.41	"	27.0	ND	66.2	21-107				
1,3-Dichlorobenzene	16.0	5.41	"	27.0	ND	59.3	28-86				
1,4-Dichlorobenzene	15.6	5.41	"	27.0	ND	57.9	25-85				
2,3,4,6-Tetrachlorophenol	19.5	5.41	"	27.0	ND	72.2	30-130				
2,4,5-Trichlorophenol	18.0	5.41	"	27.0	ND	66.6	43-96				
2,4,6-Trichlorophenol	18.1	5.41	"	27.0	ND	67.1	46-94				
2,4-Dichlorophenol	18.9	5.41	"	27.0	ND	69.9	26-101				
2,4-Dimethylphenol	18.6	5.41	"	27.0	ND	68.9	10-104				
2,4-Dinitrophenol	30.4	5.41	"	27.0	ND	112	10-146				
2,4-Dinitrotoluene	19.1	5.41	"	27.0	ND	70.6	30-108				
2,6-Dinitrotoluene	19.7	5.41	"	27.0	ND	73.0	38-98				
2-Chloronaphthalene	16.6	5.41	"	27.0	ND	61.4	30-89				
2-Chlorophenol	17.2	5.41	"	27.0	ND	63.6	24-98				
2-Methylnaphthalene	17.9	5.41	"	27.0	ND	66.3	10-112				
2-Methylphenol	14.7	5.41	"	27.0	ND	54.5	10-134				
2-Nitroaniline	19.1	5.41	"	27.0	ND	70.6	25-110				
2-Nitrophenol	19.5	5.41	"	27.0	ND	72.3	10-139				
3- & 4-Methylphenols	12.2	5.41	"	27.0	ND	45.1	10-91				
3,3-Dichlorobenzidine	ND	5.41	"	27.0	ND		10-140	Low Bias			
3-Nitroaniline	11.4	5.41	"	27.0	ND	42.3	22-111				
4,6-Dinitro-2-methylphenol	25.7	5.41	"	27.0	ND	95.2	10-140				
4-Bromophenyl phenyl ether	17.3	5.41	"	27.0	ND	63.9	30-108				
4-Chloro-3-methylphenol	19.4	5.41	"	27.0	ND	71.8	11-109				
4-Chloroaniline	9.77	5.41	"	27.0	ND	36.2	10-116				
4-Chlorophenyl phenyl ether	16.8	5.41	"	27.0	ND	62.3	39-85				
4-Nitroaniline	14.6	5.41	"	27.0	ND	53.9	11-132				



Semivolatile 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 BC22856 - EPA 3510C

Matrix Spike (BC22856-MS1)		*Source sample: 22C1331-03 (Matrix Spike)					Prepared: 03/24/2022 Analyzed: 03/25/2022				
4-Nitrophenol	10.4	5.41	ug/L	27.0	ND	38.6	10-82				
Acetophenone	19.0	5.41	"	27.0	ND	70.4	14-102				
Aniline	7.54	5.41	"	27.0	ND	27.9	10-80				
Benzaldehyde	17.2	5.41	"	27.0	ND	63.5	13-87				
Benzoic acid	9.55	5.41	"	27.0	ND	35.3	10-162				
Benzyl alcohol	12.1	5.41	"	27.0	ND	44.6	10-102				
Benzyl butyl phthalate	22.8	5.41	"	27.0	ND	84.5	10-133				
Bis(2-chloroethoxy)methane	16.8	5.41	"	27.0	ND	62.2	18-105				
Bis(2-chloroethyl)ether	18.4	5.41	"	27.0	ND	68.1	10-108				
Bis(2-chloroisopropyl)ether	16.0	5.41	"	27.0	ND	59.1	13-116				
Caprolactam	3.90	5.41	"	27.0	ND	14.4	10-75				
Carbazole	19.4	5.41	"	27.0	ND	71.7	36-108				
Dibenzofuran	17.2	5.41	"	27.0	ND	63.5	34-92				
Diethyl phthalate	17.9	5.41	"	27.0	ND	66.2	33-98				
Dimethyl phthalate	17.6	5.41	"	27.0	ND	65.2	18-116				
Di-n-butyl phthalate	18.9	5.41	"	27.0	ND	70.1	25-97				
Di-n-octyl phthalate	17.8	5.41	"	27.0	ND	65.8	10-137				
Hexachlorocyclopentadiene	16.1	10.8	"	27.0	ND	59.4	10-79				
Isophorone	18.2	5.41	"	27.0	ND	67.4	25-103				
N-nitroso-di-n-propylamine	17.5	5.41	"	27.0	ND	64.6	19-115				
N-Nitrosodiphenylamine	15.1	5.41	"	27.0	ND	55.9	31-112				
Phenol	6.70	5.41	"	27.0	ND	24.8	10-61				
Pyridine	5.71	5.41	"	27.6	ND	20.7	10-78				
Surrogate: SURR: 2-Fluorophenol	20.2		"	54.1		37.3	19.7-63.1				
Surrogate: SURR: Phenol-d5	13.0		"	54.1		24.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.4		"	27.0		71.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.9		"	27.0		66.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	44.6		"	54.1		82.4	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.4		"	27.0		79.2	30.7-106				



Semivolatile 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 BC22856 - EPA 3510C											
Matrix Spike Dup (BC22856-MSD1)	*Source sample: 22C1331-03 (Matrix Spike Dup)							Prepared: 03/24/2022 Analyzed: 03/25/2022			
1,1-Biphenyl	18.6	5.41	ug/L	27.0	ND	68.7	26-79		1.70	25	
1,2,4,5-Tetrachlorobenzene	16.7	5.41	"	27.0	ND	61.9	33-90		0.773	25	
1,2,4-Trichlorobenzene	15.5	5.41	"	27.0	ND	57.4	31-88		5.56	25	
1,2-Dichlorobenzene	15.5	5.41	"	27.0	ND	57.2	24-93		6.03	25	
1,2-Diphenylhydrazine (as Azobenzene)	17.7	5.41	"	27.0	ND	65.5	21-107		1.09	25	
1,3-Dichlorobenzene	15.1	5.41	"	27.0	ND	55.9	28-86		5.97	25	
1,4-Dichlorobenzene	15.3	5.41	"	27.0	ND	56.7	25-85		2.02	25	
2,3,4,6-Tetrachlorophenol	20.8	5.41	"	27.0	ND	77.1	30-130		6.59	25	
2,4,5-Trichlorophenol	17.9	5.41	"	27.0	ND	66.3	43-96		0.481	25	
2,4,6-Trichlorophenol	18.3	5.41	"	27.0	ND	67.8	46-94		1.01	25	
2,4-Dichlorophenol	18.3	5.41	"	27.0	ND	67.7	26-101		3.20	25	
2,4-Dimethylphenol	17.4	5.41	"	27.0	ND	64.4	10-104		6.78	25	
2,4-Dinitrophenol	34.3	5.41	"	27.0	ND	127	10-146		12.2	25	
2,4-Dinitrotoluene	19.8	5.41	"	27.0	ND	73.2	30-108		3.62	25	
2,6-Dinitrotoluene	20.1	5.41	"	27.0	ND	74.2	38-98		1.68	25	
2-Chloronaphthalene	16.5	5.41	"	27.0	ND	61.0	30-89		0.588	25	
2-Chlorophenol	16.3	5.41	"	27.0	ND	60.2	24-98		5.49	25	
2-Methylnaphthalene	17.2	5.41	"	27.0	ND	63.6	10-112		4.19	25	
2-Methylphenol	14.6	5.41	"	27.0	ND	54.2	10-134		0.589	25	
2-Nitroaniline	19.0	5.41	"	27.0	ND	70.2	25-110		0.511	25	
2-Nitrophenol	19.3	5.41	"	27.0	ND	71.4	10-139		1.22	25	
3- & 4-Methylphenols	11.5	5.41	"	27.0	ND	42.6	10-91		5.66	25	
3,3-Dichlorobenzidine	ND	5.41	"	27.0	ND		10-140	Low Bias		25	
3-Nitroaniline	12.5	5.41	"	27.0	ND	46.1	22-111		8.69	25	
4,6-Dinitro-2-methylphenol	28.4	5.41	"	27.0	ND	105	10-140		10.0	25	
4-Bromophenyl phenyl ether	17.2	5.41	"	27.0	ND	63.8	30-108		0.251	25	
4-Chloro-3-methylphenol	18.6	5.41	"	27.0	ND	68.6	11-109		4.50	25	
4-Chloroaniline	10.2	5.41	"	27.0	ND	37.7	10-116		4.22	25	
4-Chlorophenyl phenyl ether	16.4	5.41	"	27.0	ND	60.7	39-85		2.60	25	
4-Nitroaniline	14.0	5.41	"	27.0	ND	52.0	11-132		3.70	25	
4-Nitrophenol	9.95	5.41	"	27.0	ND	36.8	10-82		4.88	25	
Acetophenone	18.3	5.41	"	27.0	ND	67.7	14-102		4.00	25	
Aniline	8.74	5.41	"	27.0	ND	32.3	10-80		14.8	25	
Benzaldehyde	16.3	5.41	"	27.0	ND	60.2	13-87		5.37	25	
Benzoic acid	10.2	5.41	"	27.0	ND	37.8	10-162		6.78	25	
Benzyl alcohol	11.9	5.41	"	27.0	ND	43.9	10-102		1.54	25	
Benzyl butyl phthalate	22.7	5.41	"	27.0	ND	83.9	10-133		0.760	25	
Bis(2-chloroethoxy)methane	16.3	5.41	"	27.0	ND	60.2	18-105		3.27	25	
Bis(2-chloroethyl)ether	17.1	5.41	"	27.0	ND	63.2	10-108		7.49	25	
Bis(2-chloroisopropyl)ether	14.9	5.41	"	27.0	ND	55.2	13-116		6.72	25	
Caprolactam	3.86	5.41	"	27.0	ND	14.3	10-75		1.11	25	
Carbazole	18.3	5.41	"	27.0	ND	67.8	36-108		5.56	25	
Dibenzofuran	16.8	5.41	"	27.0	ND	62.2	34-92		2.16	25	
Diethyl phthalate	17.8	5.41	"	27.0	ND	65.8	33-98		0.545	25	
Dimethyl phthalate	17.1	5.41	"	27.0	ND	63.4	18-116		2.74	25	
Di-n-butyl phthalate	18.5	5.41	"	27.0	ND	68.6	25-97		2.19	25	
Di-n-octyl phthalate	17.1	5.41	"	27.0	ND	63.3	10-137		3.90	25	
Hexachlorocyclopentadiene	16.0	10.8	"	27.0	ND	59.2	10-79		0.405	25	
Isophorone	17.4	5.41	"	27.0	ND	64.2	25-103		4.74	25	
N-nitroso-di-n-propylamine	16.2	5.41	"	27.0	ND	60.1	19-115		7.18	25	
N-Nitrosodiphenylamine	14.9	5.41	"	27.0	ND	55.2	31-112		1.22	25	



Semivolatile 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 BC22856 - EPA 3510C

Matrix Spike Dup (BC22856-MSD1)	*Source sample: 22C1331-03 (Matrix Spike Dup)							Prepared: 03/24/2022 Analyzed: 03/25/2022			
Phenol	6.08	5.41	ug/L	27.0	ND	22.5	10-61		9.81	25	
Pyridine	6.24	5.41	"	27.6	ND	22.6	10-78		8.87	25	
Surrogate: SURR: 2-Fluorophenol	18.7		"	54.1		34.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	11.8		"	54.1		21.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.2		"	27.0		67.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.0		"	27.0		63.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	41.9		"	54.1		77.5	39.3-151				
Surrogate: SURR: Terphenyl-d14	20.7		"	27.0		76.6	30.7-106				



Metals by ICP - 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 BC22906 - EPA 3015A

Blank (BC22906-BLK1)

Prepared & Analyzed: 03/25/2022

Arsenic	ND	0.017	mg/L
Barium	ND	0.028	"
Cadmium	ND	0.003	"
Chromium	ND	0.006	"
Lead	ND	0.006	"
Selenium	ND	0.028	"
Silver	ND	0.006	"

LCS (BC22906-BS1)

Prepared & Analyzed: 03/25/2022

Arsenic	1.95		mg/L	2.00	97.6	80-120
Barium	2.29		"	2.00	114	80-120
Cadmium	0.053		"	0.0500	106	80-120
Chromium	0.217		"	0.200	109	80-120
Lead	0.559		"	0.500	112	80-120
Selenium	1.69		"	2.00	84.3	80-120
Silver	0.053		"	0.0500	105	80-120

Duplicate (BC22906-DUP1)

*Source sample: 22C1336-03 (Duplicate)

Prepared & Analyzed: 03/25/2022

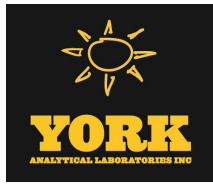
Arsenic	0.058	0.017	mg/L	0.047		19.9	20	
Barium	2.49	0.028	"	2.46		1.26	20	
Cadmium	ND	0.003	"	ND			20	
Chromium	0.033	0.006	"	0.014		80.3	20	Non-dir.
Lead	0.188	0.006	"	0.060		103	20	Non-dir.
Selenium	ND	0.028	"	ND			20	
Silver	ND	0.006	"	ND			20	

Matrix Spike (BC22906-MS1)

*Source sample: 22C1336-03 (Matrix Spike)

Prepared & Analyzed: 03/25/2022

Arsenic	2.32	0.017	mg/L	2.22	0.047	102	75-125	
Barium	4.87	0.028	"	2.22	2.46	109	75-125	
Cadmium	0.054	0.003	"	0.0556	ND	96.7	75-125	
Chromium	0.284	0.006	"	0.222	0.014	122	75-125	
Lead	1.04	0.006	"	0.556	0.060	177	75-125	High Bias
Selenium	1.81	0.028	"	2.22	ND	81.4	75-125	
Silver	0.056	0.006	"	0.0556	ND	101	75-125	



Metals by ICP - 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 BC22906 - EPA 3015A

Post Spike (BC22906-PS1)		*Source sample: 22C1336-03 (Post Spike)					Prepared & Analyzed: 03/25/2022				
Arsenic	2.19		mg/L	2.00	0.047	107	75-125				
Barium	4.31		"	2.00	2.46	92.8	75-125				
Cadmium	0.050		"	0.0500	-0.002	100	75-125				
Chromium	0.230		"	0.200	0.014	108	75-125				
Lead	0.582		"	0.500	0.060	104	75-125				
Selenium	1.77		"	2.00	-0.064	88.7	75-125				
Silver	0.021		"	0.0500	-0.004	42.9	75-125	Low Bias			

Batch BC22971 - EPA 3050B

Blank (BC22971-BLK1)		Prepared: 03/25/2022 Analyzed: 03/28/2022									
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	6.59	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								



Metals by ICP - 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 BC22971 - EPA 3050B

Duplicate (BC22971-DUP1)		*Source sample: 22C1208-10 (Duplicate)					Prepared: 03/25/2022 Analyzed: 03/28/2022				
Aluminum	11200	5.53	mg/kg dry		10400				7.78	35	
Antimony	ND	2.77	"		ND					35	
Arsenic	2.69	1.66	"		ND					35	
Barium	91.7	2.77	"		76.8				17.7	35	
Beryllium	ND	0.055	"		ND					35	
Cadmium	ND	0.332	"		ND					35	
Calcium	5460	5.53	"		3270				50.3	35	Non-dir.
Chromium	23.3	0.553	"		21.4				8.37	35	
Cobalt	9.09	0.443	"		8.14				11.0	35	
Copper	43.1	2.21	"		25.4				51.7	35	Non-dir.
Iron	19900	27.7	"		15400				25.4	35	
Lead	159	0.553	"		139				13.2	35	
Magnesium	2910	5.53	"		2470				16.4	35	
Manganese	471	0.553	"		339				32.7	35	
Nickel	13.5	1.11	"		10.9				21.4	35	
Potassium	874	5.53	"		931				6.32	35	
Selenium	ND	2.77	"		ND					35	
Silver	ND	0.553	"		ND					35	
Sodium	138	55.3	"		110				22.4	35	
Thallium	ND	2.77	"		ND					35	
Vanadium	32.8	1.11	"		26.7				20.5	35	
Zinc	82.4	2.77	"		77.2				6.58	35	

Matrix Spike (BC22971-MS1)		*Source sample: 22C1208-10 (Matrix Spike)					Prepared: 03/25/2022 Analyzed: 03/28/2022				
Aluminum	8510	5.53	mg/kg dry	221	10400	NR	75-125	Low Bias			
Antimony	9.62	2.77	"	27.7	ND	34.8	75-125	Low Bias			
Arsenic	200	1.66	"	221	ND	90.5	75-125				
Barium	283	2.77	"	221	76.8	93.2	75-125				
Beryllium	4.53	0.055	"	5.53	ND	81.9	75-125				
Cadmium	5.36	0.332	"	5.53	ND	96.9	75-125				
Calcium	2740	5.53	"	111	3270	NR	75-125	Low Bias			
Chromium	37.5	0.553	"	22.1	21.4	72.6	75-125	Low Bias			
Cobalt	59.8	0.443	"	55.3	8.14	93.4	75-125				
Copper	50.2	2.21	"	27.7	25.4	89.7	75-125				
Iron	12700	27.7	"	111	15400	NR	75-125	Low Bias			
Lead	152	0.553	"	55.3	139	23.4	75-125	Low Bias			
Magnesium	2060	5.53	"	111	2470	NR	75-125	Low Bias			
Manganese	308	0.553	"	55.3	339	NR	75-125	Low Bias			
Nickel	63.4	1.11	"	55.3	10.9	94.9	75-125				
Potassium	843	5.53	"	111	931	NR	75-125	Low Bias			
Selenium	150	2.77	"	221	ND	67.6	75-125	Low Bias			
Silver	4.70	0.553	"	5.53	ND	84.9	75-125				
Sodium	216	55.3	"	111	110	95.9	75-125				
Thallium	197	2.77	"	221	ND	89.2	75-125				
Vanadium	75.5	1.11	"	55.3	26.7	88.1	75-125				
Zinc	107	2.77	"	55.3	77.2	53.4	75-125	Low Bias			



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

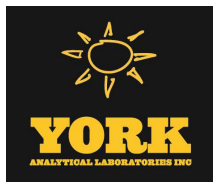
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22971 - EPA 3050B

Post Spike (BC22971-PS1)		*Source sample: 22C1208-10 (Post Spike)					Prepared: 03/25/2022 Analyzed: 03/28/2022				
Aluminum	95.1		ug/mL	2.00	93.6	75.8	75-125				
Antimony	0.293		"	0.250	0.017	110	75-125				
Arsenic	2.07		"	2.00	0.012	103	75-125				
Barium	2.89		"	2.00	0.694	110	75-125				
Beryllium	0.045		"	0.0500	-0.008	90.8	75-125				
Cadmium	0.055		"	0.0500	0.002	107	75-125				
Calcium	30.3		"	1.00	29.5	75.7	75-125				
Chromium	0.396		"	0.200	0.194	101	75-125				
Cobalt	0.625		"	0.500	0.074	110	75-125				
Copper	0.514		"	0.250	0.230	114	75-125				
Iron	139		"	1.00	139	NR	75-125	Low Bias			
Lead	1.78		"	0.500	1.26	103	75-125				
Magnesium	23.3		"	1.00	22.3	94.6	75-125				
Manganese	3.52		"	0.500	3.06	91.6	75-125				
Nickel	0.677		"	0.500	0.098	116	75-125				
Potassium	9.55		"	1.00	8.41	114	75-125				
Selenium	1.55		"	2.00	-0.235	77.5	75-125				
Silver	0.024		"	0.0500	0.0009	45.9	75-125	Low Bias			
Sodium	2.10		"	1.00	0.995	110	75-125				
Thallium	2.04		"	2.00	-0.034	102	75-125				
Vanadium	0.770		"	0.500	0.241	106	75-125				
Zinc	1.19		"	0.500	0.697	97.6	75-125				

Reference (BC22971-SRM1)

							Prepared: 03/25/2022 Analyzed: 03/28/2022				
Aluminum	8130	5.00	mg/kg wet	10100		80.5	39.5-118.8				
Antimony	61.7	2.50	"	244		25.3	10-123				
Arsenic	88.4	1.50	"	109		81.1	63.7-118.3				
Barium	331	2.50	"	364		90.8	70.3-117				
Beryllium	47.4	0.050	"	57.0		83.1	69.3-115.4				
Cadmium	41.5	0.300	"	48.7		85.1	67.8-112.9				
Calcium	4170	5.00	"	5190		80.3	66.3-116.6				
Chromium	149	0.500	"	173		86.2	65.3-120.8				
Cobalt	135	0.400	"	148		91.0	70.3-117.6				
Copper	172	2.00	"	179		96.1	70.9-117.9				
Iron	12400	25.0	"	15000		82.9	36.8-162.7				
Lead	89.3	0.500	"	101		88.5	69.1-126.7				
Magnesium	2130	5.00	"	2570		83.0	56.4-124.9				
Manganese	326	0.500	"	370		88.1	72.2-119.2				
Nickel	45.0	1.00	"	52.2		86.2	63.4-117.8				
Potassium	1810	5.00	"	2420		75.0	49.6-118.6				
Selenium	51.9	2.50	"	104		49.9	58.5-122.1	Low Bias			
Silver	24.4	0.500	"	29.9		81.6	63.5-123.7				
Sodium	119	50.0	"	161		73.9	30.1-139.1				
Thallium	80.1	2.50	"	101		79.3	59.8-120.8				
Vanadium	166	1.00	"	194		85.5	73.2-117				
Zinc	353	2.50	"	431		82.0	74.9-121.1				



Metals by ICP/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 BC22747 - EPA 3015A

Blank (BC22747-BLK1)

Prepared & Analyzed: 03/23/2022

Arsenic - Dissolved	ND	1.11	ug/L
Barium - Dissolved	ND	1.11	"
Cadmium - Dissolved	ND	0.556	"
Chromium - Dissolved	ND	1.11	"
Lead - Dissolved	ND	1.11	"
Selenium - Dissolved	ND	1.11	"
Silver - Dissolved	ND	1.11	"

LCS (BC22747-BS1)

Prepared & Analyzed: 03/23/2022

Arsenic - Dissolved	0.050		ug/mL	0.0500	101	80-120
Barium - Dissolved	0.051		"	0.0500	102	80-120
Cadmium - Dissolved	0.057		"	0.0500	114	80-120
Chromium - Dissolved	0.051		"	0.0500	102	80-120
Lead - Dissolved	0.042		"	0.0500	85.0	80-120
Selenium - Dissolved	0.059		"	0.0500	118	80-120
Silver - Dissolved	0.067		"	0.0500	133	80-120 High Bias

Duplicate (BC22747-DUP1)

*Source sample: 22C0965-05 (Duplicate)

Prepared & Analyzed: 03/23/2022

Arsenic - Dissolved	ND	1.11	ug/L	ND		20
Barium - Dissolved	43.5	1.11	"	43.0	1.17	20
Cadmium - Dissolved	ND	0.556	"	ND		20
Chromium - Dissolved	ND	1.11	"	ND		20
Lead - Dissolved	ND	1.11	"	ND		20
Selenium - Dissolved	2.90	1.11	"	2.30	22.9	20 Non-dir.
Silver - Dissolved	ND	1.11	"	ND		20

Matrix Spike (BC22747-MS1)

*Source sample: 22C0965-05 (Matrix Spike)

Prepared & Analyzed: 03/23/2022

Arsenic - Dissolved	0.056		ug/mL	0.0500	0.0007	110	75-125
Barium - Dissolved	0.090		"	0.0500	0.039	102	75-125
Cadmium - Dissolved	0.058		"	0.0500	0.00006	116	75-125
Chromium - Dissolved	0.053		"	0.0500	0.0006	104	75-125
Lead - Dissolved	0.038		"	0.0500	0.0004	74.7	75-125 Low Bias
Selenium - Dissolved	0.062		"	0.0500	0.002	120	75-125
Silver - Dissolved	0.061		"	0.0500	0.000007	121	75-125



Mercury by EPA 7000/200 Series Methods - 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 BC22804 - EPA SW846-7470A											
Blank (BC22804-BLK1)								Prepared & Analyzed: 03/23/2022			
Mercury	ND	0.0002	mg/L								
LCS (BC22804-BS1)								Prepared & Analyzed: 03/23/2022			
Mercury	0.0020487	0.0002	mg/L	0.00200		102	80-120				
LCS (BC22804-BS2)								Prepared & Analyzed: 03/23/2022			
Mercury	0.0019973	0.0002	mg/L	0.00200		99.9	80-120				
Batch BC22805 - EPA SW846-7470A											
Blank (BC22805-BLK1)								Prepared & Analyzed: 03/23/2022			
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BC22805-BS1)								Prepared & Analyzed: 03/23/2022			
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		101	80-120				
LCS (BC22805-BS2)								Prepared & Analyzed: 03/23/2022			
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		105	80-120				
Batch BC22970 - EPA 7473 soil											
Blank (BC22970-BLK1)								Prepared: 03/25/2022 Analyzed: 03/28/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC22970-DUP1)								Prepared: 03/25/2022 Analyzed: 03/28/2022			
Mercury	0.0905	0.0332	mg/kg dry		0.0958				5.70	35	



Mercury by EPA 7000/200 Series Methods - 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 BC22970 - EPA 7473 soil

Matrix Spike (BC22970-MS1)		*Source sample: 22C1208-10 (Matrix Spike)						Prepared: 03/25/2022 Analyzed: 03/28/2022			
Mercury	0.624		mg/kg	0.500	0.0866	108	75-125				
Reference (BC22970-SRM1)								Prepared: 03/25/2022 Analyzed: 03/28/2022			
Mercury	26.671		mg/kg	27.2		98.1	59.9-140.1				



Miscellaneous Physical Parameters - 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 BC23064 - % Solids Prep

Duplicate (BC23064-DUP1)		*Source sample: 22C1084-05 (Duplicate)						Prepared & Analyzed: 03/28/2022			
% Solids	91.1	0.100	%		92.0				1.06	20	

Batch BC23136 - % Solids Prep

Duplicate (BC23136-DUP1)		*Source sample: 22C1252-07 (SB009_0-2)						Prepared & Analyzed: 03/29/2022			
% Solids	88.5	0.100	%		89.0				0.577	20	

Batch BC23142 - % Solids Prep

Duplicate (BC23142-DUP1)		*Source sample: 22C1382-12 (Duplicate)						Prepared & Analyzed: 03/29/2022			
% Solids	88.4	0.100	%		86.8				1.76	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C1252-01	SB005_4-6	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1252-02	SB005_8	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1252-03	SB006_3-5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1252-04	SB006_9	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1252-05	SB007_1-3	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1252-06	SB007_9	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1252-07	SB009_0-2	40mL Vial with Stir Bar-Cool 4° C
22C1252-08	GW003	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1252-09	SB010_8-10	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1252-10	GW004	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.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
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.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
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.

2201252

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		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: PWGC	Company:	Company:		Company:		1162201		RUSH - Next Day	
Address: 630 Johnson Ave Bohemia, NY 11716	Address:	Address:		Address:				RUSH - Two Day	
Phone: 631-569-6353	Phone:	Phone:		Phone:				RUSH - Three Day	
Contact: Derek Erdak	Contact:	Contact:		Contact:		YOUR Project Name		RUSH - Four Day	
E-mail: derek@pwgcs.com	E-mail:	E-mail:		E-mail:				Standard (5-7 Day) ☒	
YOUR PO#:									

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.

Michael Pecoraro
Michael Pecoraro

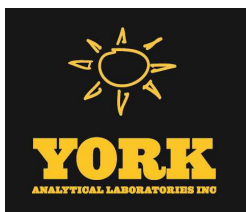
Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York ☒	Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	
DW - drinking water	Connecticut	NY ASP A Package	
WW - wastewater	Pennsylvania	NY ASP B Package	
O - Oil Other	Other:	NJDEP Reduced Deliverables	
		NJDEP SRP HazSite	
		NJDKQP	
		Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB005-4-0	S	3/22/22 0725	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 8 oz glass
SB005-8	S	0740	TCL VOCs	↓
SB006-3-5	S	0920	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 8 oz glass
SB006-9	S	0935	TCL VOCs	↓
SB007-1-3	S	0910	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 8 oz glass
SB007-9	S	0930	TCL VOCs	↓
~~SB007~~ SB009-0-2	GW	1225	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 8 oz glass
GW003	GW	1330	VOCs, TCL	3 uL/mL HCl
SB010-8-10	S	1350	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 8 oz glass
GW004	GW	1410	TCL VOCs, TCL SVOCs, RECA Metals (total + dnm)	5 uL/mL, 1 HNO3, 1 amp, 3 L-L

Comments:	Preservation: (check all that apply)	Special Instruction
Lab to Filter PID readings for SB005, SB006, and SB007 over 1,000 ppm	HCl ☐ MeOH ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐	Field Filtered
Samples iced/chilled at time of lab pickup? circle Yes or No	ZnAc ☐ Ascorbic Acid ☐ Other: ☐	Lab to Filter

1. Samples Relinquished by / Company Michael Pecoraro PWGC 3/22/22	2. Samples Received by / Company Andrew S. York 3/22/22 16:00	3. Samples Relinquished by / Company Andrew S. York 3/22/22 1613
4. Samples Received by / Company IB 3/22/22 1613	5. Samples Relinquished by / Company Ivan B 3/22/22 2000	6. Samples Received by / Company Ivan B 3/22/22 2000
7. Samples Relinquished by / Company	8. Samples Received by / Company	9. Samples Relinquished in LAB by 3/22/22 2000
		Temperature 2.1 Degrees C



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Ave, Suite 7

Bohemia NY, 11716

Attention: Derek Ersbak

Report Date: 03/30/2022

Client Project ID: LIG2201

York Project (SDG) No.: 22C1308



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: 03/30/2022
Client Project ID: LIG2201
York Project (SDG) No.: 22C1308

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

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 23, 2022 and listed below. The project was identified as your project: **LIG2201**.

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>
22C1308-01	GW001	Water	03/23/2022	03/23/2022
22C1308-02	SB008_5-7	Soil	03/23/2022	03/23/2022
22C1308-03	SB008_9	Soil	03/23/2022	03/23/2022
22C1308-04	GW005	Water	03/23/2022	03/23/2022
22C1308-05	SB011_0-2	Soil	03/23/2022	03/23/2022
22C1308-06	GW006	Water	03/23/2022	03/23/2022
22C1308-07	SB012_5-7	Soil	03/23/2022	03/23/2022

General Notes for York Project (SDG) No.: 22C1308

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: 03/30/2022





Sample Information

Client Sample ID: GW001

York Sample ID: 22C1308-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Water

March 23, 2022 7:25 am

03/23/2022

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	3.90	J	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
71-55-6	1,1,1-Trichloroethane	2.90	J	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
79-00-5	1,1,2-Trichloroethane	6.40		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
75-34-3	1,1-Dichloroethane	2.10	J	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
75-35-4	1,1-Dichloroethylene	21.6		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
95-63-6	1,2,4-Trimethylbenzene	40.8		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
108-67-8	1,3,5-Trimethylbenzene	13.0		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG



Sample Information

Client Sample ID: GW001

York Sample ID: 22C1308-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Water

March 23, 2022 7:25 am

03/23/2022

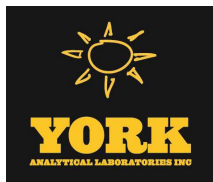
Volatile Organics, 8260 Low Comprehensive

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	568	Cal-E	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
591-78-6	2-Hexanone	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
67-64-1	Acetone	79.1		ug/L	10.0	20.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
107-02-8	Acrolein	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
107-13-1	Acrylonitrile	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
71-43-2	Benzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
74-97-5	Bromochloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
75-27-4	Bromodichloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
75-25-2	Bromoform	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
74-83-9	Bromomethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
75-15-0	Carbon disulfide	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
108-90-7	Chlorobenzene	4.00	J	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
75-00-3	Chloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
67-66-3	Chloroform	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
74-87-3	Chloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
156-59-2	cis-1,2-Dichloroethylene	3110		ug/L	200	500	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2022 06:10	03/29/2022 14:26	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
110-82-7	Cyclohexane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
124-48-1	Dibromochloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
74-95-3	Dibromomethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG



Sample Information

Client Sample ID: GW001

York Sample ID: 22C1308-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Water

March 23, 2022 7:25 am

03/23/2022

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	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
100-41-4	Ethyl Benzene	16.4		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
98-82-8	Isopropylbenzene	4.30	J	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
79-20-9	Methyl acetate	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
108-87-2	Methylcyclohexane	4.40	J	ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
75-09-2	Methylene chloride	ND		ug/L	10.0	20.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
91-20-3	Naphthalene	67.1	CCV-E	ug/L	10.0	20.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
104-51-8	n-Butylbenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
103-65-1	n-Propylbenzene	6.50		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
95-47-6	o-Xylene	8.40		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
179601-23-1	p- & m- Xylenes	31.7		ug/L	5.00	10.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
105-05-5	* p-Diethylbenzene	4.60	J	ug/L	2.00	5.00	10	EPA 8260C Certifications:	03/28/2022 06:10	03/28/2022 16:47	JTG
622-96-8	* p-Ethyltoluene	9.80		ug/L	2.00	5.00	10	EPA 8260C Certifications:	03/28/2022 06:10	03/28/2022 16:47	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
100-42-5	Styrene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.00	10.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
127-18-4	Tetrachloroethylene	103000		ug/L	200	500	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2022 06:10	03/29/2022 14:26	JTG
108-88-3	Toluene	8.20		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG



Sample Information

Client Sample ID: GW001

York Sample ID: 22C1308-01

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 23, 2022 7:25 am

Date Received
03/23/2022

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	72.4		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
79-01-6	Trichloroethylene	15400		ug/L	200	500	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2022 06:10	03/29/2022 14:26	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
75-01-4	Vinyl Chloride	161		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 16:47	JTG
1330-20-7	Xylenes, Total	40.1		ug/L	6.00	15.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/28/2022 06:10	03/28/2022 16:47	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	114 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.7 %	79-122								



Sample Information

Client Sample ID: SB008_5-7

York Sample ID: 22C1308-02

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 7:50 am

Date Received
03/23/2022

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 04:22	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 04:22	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
95-63-6	1,2,4-Trimethylbenzene	0.13		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
108-67-8	1,3,5-Trimethylbenzene	0.048		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC



Sample Information

Client Sample ID: SB008_5-7

York Sample ID: 22C1308-02

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 7:50 am

Date Received
03/23/2022

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	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 04:22	BMC
78-93-3	2-Butanone	0.027		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
67-64-1	Acetone	0.082		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC



Sample Information

Client Sample ID: SB008_5-7

York Sample ID: 22C1308-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 7:50 am

03/23/2022

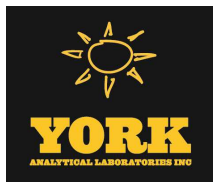
Volatiles, 8260 Comprehensive

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
110-82-7	Cyclohexane	0.0072		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
100-41-4	Ethyl Benzene	0.026		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
98-82-8	Isopropylbenzene	0.012		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
108-87-2	Methylcyclohexane	0.027		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-09-2	Methylene chloride	0.0092		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
104-51-8	n-Butylbenzene	0.011		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
103-65-1	n-Propylbenzene	0.019		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
95-47-6	o-Xylene	0.0094		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
179601-23-1	p- & m- Xylenes	0.054		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
99-87-6	p-Isopropyltoluene	0.0078		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
135-98-8	sec-Butylbenzene	0.0095		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
127-18-4	Tetrachloroethylene	0.0029	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC



Sample Information

Client Sample ID: SB008_5-7

York Sample ID: 22C1308-02

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 23, 2022 7:50 am

Date Received

03/23/2022

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
75-01-4	Vinyl Chloride	0.016	CCV-E	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 04:22	BMC
1330-20-7	Xylenes, Total	0.063		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 04:22	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	96.0 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH



Sample Information

Client Sample ID: SB008_5-7

York Sample ID: 22C1308-02

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 7:50 am

Date Received
03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
91-57-6	2-Methylnaphthalene	0.369		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH



Sample Information

Client Sample ID: SB008_5-7

York Sample ID: 22C1308-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 7:50 am

03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
83-32-9	Acenaphthene	0.443		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
120-12-7	Anthracene	0.235		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0944	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH



Sample Information

Client Sample ID: SB008_5-7

York Sample ID: 22C1308-02

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 7:50 am

Date Received
03/23/2022

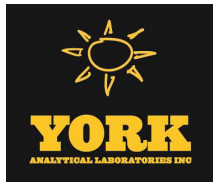
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-74-8	Carbazole	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
132-64-9	Dibenzofuran	0.391		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
206-44-0	Fluoranthene	0.0559	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
86-73-7	Fluorene	0.727		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
91-20-3	Naphthalene	0.205		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH



Sample Information

Client Sample ID: SB008_5-7

York Sample ID: 22C1308-02

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 23, 2022 7:50 am

Date Received

03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	1.83		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
108-95-2	Phenol	ND		mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
129-00-0	Pyrene	0.0913	J	mg/kg dry	0.0473	0.0944	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
110-86-1	Pyridine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:17	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	48.1 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	49.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	87.3 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	54.9 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	52.9 %	24-116								

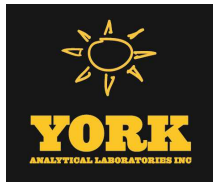
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11500		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-36-0	Antimony	3.96		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-39-3	Barium	110		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.348	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-70-2	Calcium	1540		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-47-3	Chromium	22.9		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-48-4	Cobalt	9.98		mg/kg dry	0.463	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-50-8	Copper	32.0		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7439-89-6	Iron	18500		mg/kg dry	29.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT



Sample Information

Client Sample ID: SB008_5-7

York Sample ID: 22C1308-02

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 23, 2022 7:50 am

Date Received

03/23/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	Lead	4.84		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7439-95-4	Magnesium	3580		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7439-96-5	Manganese	657		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-02-0	Nickel	21.6		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-09-7	Potassium	3250	B	mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-22-4	Silver	ND		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-23-5	Sodium	120		mg/kg dry	57.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-28-0	Thallium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-62-2	Vanadium	33.0		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT
7440-66-6	Zinc	37.3		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:17	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0348	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/28/2022 13:19	03/28/2022 15:32	BR

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	86.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2022 15:39	03/29/2022 18:48	TJA



Sample Information

Client Sample ID: SB008_9

York Sample ID: 22C1308-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 8:15 am

03/23/2022

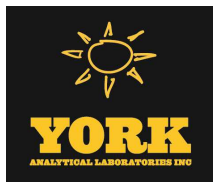
Volatiles, 8260 Comprehensive

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	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 05:18	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 05:18	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
95-63-6	1,2,4-Trimethylbenzene	1.3		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
108-67-8	1,3,5-Trimethylbenzene	0.53		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC



Sample Information

Client Sample ID: SB008_9

York Sample ID: 22C1308-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 8:15 am

03/23/2022

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	4.9	9.9	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 05:18	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
67-64-1	Acetone	ND		mg/kg dry	0.49	0.99	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.49	0.99	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
71-43-2	Benzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC



Sample Information

Client Sample ID: SB008_9

York Sample ID: 22C1308-03

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 8:15 am

Date Received
03/23/2022

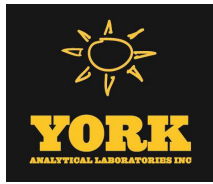
Volatiles, 8260 Comprehensive

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	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-09-2	Methylene chloride	ND		mg/kg dry	0.49	0.99	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
104-51-8	n-Butylbenzene	0.26	J	mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.49	0.99	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
100-42-5	Styrene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC



Sample Information

Client Sample ID: SB008_9

York Sample ID: 22C1308-03

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 23, 2022 8:15 am

Date Received

03/23/2022

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	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
108-88-3	Toluene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.25	0.49	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:18	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.74	1.5	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 05:18	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	95.3 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.1 %	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	88.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/28/2022 10:57	03/29/2022 11:14	JTG



Sample Information

Client Sample ID: GW005

York Sample ID: 22C1308-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Water

March 23, 2022 8:50 am

03/23/2022

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	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
79-00-5	1,1,2-Trichloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
96-18-4	1,2,3-Trichloropropane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
95-63-6	1,2,4-Trimethylbenzene	39.2		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
108-67-8	1,3,5-Trimethylbenzene	19.2		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
123-91-1	1,4-Dioxane	ND		ug/L	800	1600	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG



Sample Information

Client Sample ID: GW005

York Sample ID: 22C1308-04

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 23, 2022 8:50 am

Date Received
03/23/2022

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	6.00	Cal-E, J	ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
591-78-6	2-Hexanone	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
67-64-1	Acetone	ND		ug/L	20.0	40.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
107-02-8	Acrolein	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
107-13-1	Acrylonitrile	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
71-43-2	Benzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
74-97-5	Bromochloromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-27-4	Bromodichloromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-25-2	Bromoform	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
74-83-9	Bromomethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-15-0	Carbon disulfide	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
108-90-7	Chlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-00-3	Chloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
67-66-3	Chloroform	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
74-87-3	Chloromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
156-59-2	cis-1,2-Dichloroethylene	23.2		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
110-82-7	Cyclohexane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
124-48-1	Dibromochloromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
74-95-3	Dibromomethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG



Sample Information

Client Sample ID: GW005

York Sample ID: 22C1308-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Water

March 23, 2022 8:50 am

03/23/2022

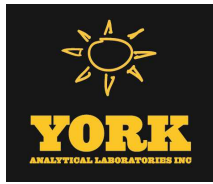
Volatile Organics, 8260 Low Comprehensive

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	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
100-41-4	Ethyl Benzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
98-82-8	Isopropylbenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
79-20-9	Methyl acetate	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
108-87-2	Methylcyclohexane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-09-2	Methylene chloride	ND		ug/L	20.0	40.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
91-20-3	Naphthalene	80.6	CCV-E	ug/L	20.0	40.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
104-51-8	n-Butylbenzene	5.40	J	ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
103-65-1	n-Propylbenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
95-47-6	o-Xylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	10.0	20.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
105-05-5	* p-Diethylbenzene	18.0		ug/L	4.00	10.0	20	EPA 8260C Certifications:	03/28/2022 06:10	03/28/2022 17:14	JTG
622-96-8	* p-Ethyltoluene	9.00	J	ug/L	4.00	10.0	20	EPA 8260C Certifications:	03/28/2022 06:10	03/28/2022 17:14	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
135-98-8	sec-Butylbenzene	4.20	J	ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
100-42-5	Styrene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	10.0	20.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
127-18-4	Tetrachloroethylene	6180		ug/L	20.0	50.0	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2022 06:10	03/29/2022 13:32	JTG
108-88-3	Toluene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG



Sample Information

Client Sample ID: GW005

York Sample ID: 22C1308-04

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 23, 2022 8:50 am

Date Received

03/23/2022

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	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
79-01-6	Trichloroethylene	301		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
75-01-4	Vinyl Chloride	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:14	JTG
1330-20-7	Xylenes, Total	ND		ug/L	12.0	30.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/28/2022 06:10	03/28/2022 17:14	JTG
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	98.2 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %			79-122						

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	7.33		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:17	RTH
7440-39-3	Barium	279		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:17	RTH
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:17	RTH
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:17	RTH
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:17	RTH
7782-49-2	Selenium	2.88		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:17	RTH
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:17	RTH

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0004		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 21:27	03/24/2022 21:27	AA



Sample Information

Client Sample ID: **GW005**

York Sample ID: **22C1308-04**

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Water

March 23, 2022 8:50 am

03/23/2022



Sample Information

Client Sample ID: SB011_0-2

York Sample ID: 22C1308-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 11:15 am

03/23/2022

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	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 05:46	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 05:46	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC



Sample Information

Client Sample ID: SB011_0-2

York Sample ID: 22C1308-05

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 11:15 am

Date Received
03/23/2022

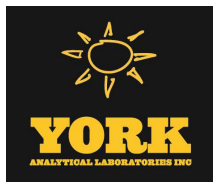
Volatiles, 8260 Comprehensive

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	0.049	0.098	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 05:46	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
67-64-1	Acetone	0.10		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC



Sample Information

Client Sample ID: SB011_0-2

York Sample ID: 22C1308-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 11:15 am

03/23/2022

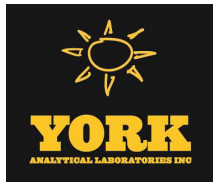
Volatiles, 8260 Comprehensive

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	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-09-2	Methylene chloride	0.067		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0098	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC



Sample Information

Client Sample ID: SB011_0-2

York Sample ID: 22C1308-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 11:15 am

03/23/2022

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	0.052		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 05:46	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 05:46	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	96.4 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	85.8 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH



Sample Information

Client Sample ID: SB011_0-2

York Sample ID: 22C1308-05

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 11:15 am

Date Received
03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH



Sample Information

Client Sample ID: SB011_0-2

York Sample ID: 22C1308-05

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 11:15 am

Date Received
03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
62-53-3	Aniline	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH



Sample Information

Client Sample ID: SB011_0-2

York Sample ID: 22C1308-05

York Project (SDG) No.

Client Project ID

Matrix

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22C1308

LIG2201

Soil

March 23, 2022 11:15 am

03/23/2022

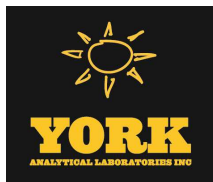
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH



Sample Information

Client Sample ID: SB011_0-2

York Sample ID: 22C1308-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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22C1308

LIG2201

Soil

March 23, 2022 11:15 am

03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 13:49	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.9 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	61.3 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.0 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	58.6 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.9 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	64.4 %		24-116							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9020		mg/kg dry	5.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-36-0	Antimony	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-38-2	Arsenic	2.89		mg/kg dry	1.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-39-3	Barium	68.8		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.340	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-70-2	Calcium	1640		mg/kg dry	5.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-47-3	Chromium	11.7		mg/kg dry	0.567	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-48-4	Cobalt	6.57		mg/kg dry	0.454	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-50-8	Copper	4.14		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT



Sample Information

Client Sample ID: SB011_0-2

York Sample ID: 22C1308-05

York Project (SDG) No.
22C1308

Client Project ID
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Collection Date/Time
March 23, 2022 11:15 am

Date Received
03/23/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	11900		mg/kg dry	28.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7439-92-1	Lead	11.8		mg/kg dry	0.567	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7439-95-4	Magnesium	1150		mg/kg dry	5.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7439-96-5	Manganese	71.1		mg/kg dry	0.567	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-02-0	Nickel	7.84		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-09-7	Potassium	577	B	mg/kg dry	5.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-22-4	Silver	ND		mg/kg dry	0.567	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-23-5	Sodium	159		mg/kg dry	56.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-62-2	Vanadium	23.3		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT
7440-66-6	Zinc	19.6		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:19	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0340	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/28/2022 13:19	03/28/2022 15:42	BR

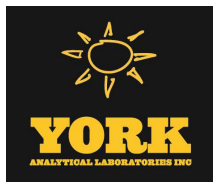
Total Solids

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	88.1		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2022 15:39	03/29/2022 18:48	TJA



Sample Information

Client Sample ID: GW006

York Sample ID: 22C1308-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Water

March 23, 2022 11:40 am

03/23/2022

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	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
79-00-5	1,1,2-Trichloroethane	9.70		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-34-3	1,1-Dichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
87-61-6	1,2,3-Trichlorobenzene	3.20	CCV-E, QL-02, J	ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
96-18-4	1,2,3-Trichloropropane	4.20	J	ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
95-63-6	1,2,4-Trimethylbenzene	114		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
106-93-4	1,2-Dibromoethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
107-06-2	1,2-Dichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
78-87-5	1,2-Dichloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
108-67-8	1,3,5-Trimethylbenzene	53.3		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG



Sample Information

Client Sample ID: GW006

York Sample ID: 22C1308-06

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 23, 2022 11:40 am

Date Received
03/23/2022

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	8.60	Cal-E	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
591-78-6	2-Hexanone	47.6	Cal-E	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
67-64-1	Acetone	15.8	J	ug/L	10.0	20.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
107-02-8	Acrolein	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
107-13-1	Acrylonitrile	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
71-43-2	Benzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
74-97-5	Bromochloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-27-4	Bromodichloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-25-2	Bromoform	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
74-83-9	Bromomethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-15-0	Carbon disulfide	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
108-90-7	Chlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-00-3	Chloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
67-66-3	Chloroform	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
74-87-3	Chloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
156-59-2	cis-1,2-Dichloroethylene	28.4		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
110-82-7	Cyclohexane	2.90	J	ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
124-48-1	Dibromochloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
74-95-3	Dibromomethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG



Sample Information

Client Sample ID: GW006

York Sample ID: 22C1308-06

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 23, 2022 11:40 am

Date Received
03/23/2022

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	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
100-41-4	Ethyl Benzene	2.40	J	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
98-82-8	Isopropylbenzene	7.50		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
79-20-9	Methyl acetate	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
108-87-2	Methylcyclohexane	17.1		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-09-2	Methylene chloride	ND		ug/L	10.0	20.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
91-20-3	Naphthalene	165	CCV-E	ug/L	10.0	20.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
104-51-8	n-Butylbenzene	19.9		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
103-65-1	n-Propylbenzene	6.70		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
95-47-6	o-Xylene	7.30		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
179601-23-1	p- & m- Xylenes	37.3		ug/L	5.00	10.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
105-05-5	* p-Diethylbenzene	58.2		ug/L	2.00	5.00	10	EPA 8260C Certifications:	03/28/2022 06:10	03/28/2022 17:41	JTG
622-96-8	* p-Ethyltoluene	23.9		ug/L	2.00	5.00	10	EPA 8260C Certifications:	03/28/2022 06:10	03/28/2022 17:41	JTG
99-87-6	p-Isopropyltoluene	10.2		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
135-98-8	sec-Butylbenzene	12.9		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
100-42-5	Styrene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.00	10.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
127-18-4	Tetrachloroethylene	1550		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 20:50	JTG
108-88-3	Toluene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG



Sample Information

Client Sample ID: GW006

York Sample ID: 22C1308-06

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 23, 2022 11:40 am

Date Received
03/23/2022

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	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
79-01-6	Trichloroethylene	343		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
75-01-4	Vinyl Chloride	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 17:41	JTG
1330-20-7	Xylenes, Total	44.6		ug/L	6.00	15.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/28/2022 06:10	03/28/2022 17:41	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %	79-122								

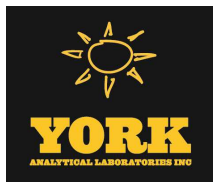
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH



Sample Information

Client Sample ID: GW006

York Sample ID: 22C1308-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Water

March 23, 2022 11:40 am

03/23/2022

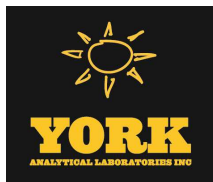
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
91-57-6	2-Methylnaphthalene	77.6		ug/L	13.9	27.8	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 10:54	KH
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH



Sample Information

Client Sample ID: GW006

York Sample ID: 22C1308-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Water

March 23, 2022 11:40 am

03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
65-85-0	Benzoic acid	17.2		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 18:03	KH



Sample Information

Client Sample ID: GW006

York Sample ID: 22C1308-06

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 23, 2022 11:40 am

Date Received
03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	44.6 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	27.7 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	92.2 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	94.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	111 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.8 %			30.7-106						

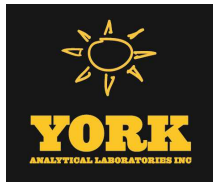
Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	2.43		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
208-96-8	Acenaphthylene	1.24		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
120-12-7	Anthracene	0.833		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/25/2022 14:20	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/25/2022 14:20	KH
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
206-44-0	Fluoranthene	0.189		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
86-73-7	Fluorene	0.511		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/25/2022 14:20	KH



Sample Information

Client Sample ID: GW006

York Sample ID: 22C1308-06

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 23, 2022 11:40 am

Date Received

03/23/2022

Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/25/2022 14:20	KH
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/25/2022 14:20	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH
91-20-3	Naphthalene	14.5		ug/L	0.278	5	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 12:39	KH
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/25/2022 14:20	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/25/2022 14:20	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/24/2022 13:10	03/25/2022 14:20	KH
85-01-8	Phenanthrene	7.22		ug/L	0.278	5	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/28/2022 12:39	KH
129-00-0	Pyrene	0.200		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 13:10	03/25/2022 14:20	KH

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	0.038		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:35	KT
7440-39-3	Barium	2.04		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:35	KT
7440-43-9	Cadmium	0.012		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:35	KT
7440-47-3	Chromium	0.509		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:35	KT
7439-92-1	Lead	1.22		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:35	KT
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	03/28/2022 10:09	03/29/2022 15:35	KT
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:35	KT

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

120 RESEARCH DRIVE

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STRATFORD, CT 06615

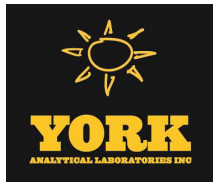
(203) 325-1371

132-02 89th AVENUE

FAX (203) 357-0166

RICHMOND HILL, NY 11418

ClientServices@



Sample Information

Client Sample ID: GW006

York Sample ID: 22C1308-06

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 23, 2022 11:40 am

Date Received

03/23/2022

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:20	RTH
7440-39-3	Barium	98.1		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:20	RTH
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:20	RTH
7440-47-3	Chromium	4.84		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:20	RTH
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:20	RTH
7782-49-2	Selenium	6.17		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:20	RTH
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:20	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0020	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 18:21	03/23/2022 18:21	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2022 18:26	03/23/2022 18:26	AA



Sample Information

Client Sample ID: SB012_5-7

York Sample ID: 22C1308-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 12:25 pm

03/23/2022

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	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 06:14	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 06:14	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC



Sample Information

Client Sample ID: SB012_5-7

York Sample ID: 22C1308-07

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 12:25 pm

Date Received
03/23/2022

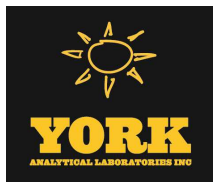
Volatiles, 8260 Comprehensive

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	0.042	0.083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 06:14	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
67-64-1	Acetone	0.0059	J	mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC



Sample Information

Client Sample ID: SB012_5-7

York Sample ID: 22C1308-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 12:25 pm

03/23/2022

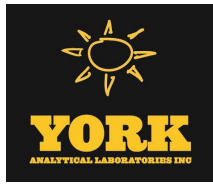
Volatiles, 8260 Comprehensive

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	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-09-2	Methylene chloride	0.022		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC



Sample Information

Client Sample ID: SB012_5-7

York Sample ID: 22C1308-07

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 23, 2022 12:25 pm

Date Received

03/23/2022

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	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/24/2022 06:29	03/25/2022 06:14	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/24/2022 06:29	03/25/2022 06:14	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	95.4 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.8 %	76-130								

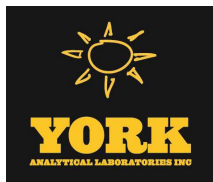
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH



Sample Information

Client Sample ID: SB012_5-7

York Sample ID: 22C1308-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 12:25 pm

03/23/2022

Semi-Volatiles, 8270 Comprehensive

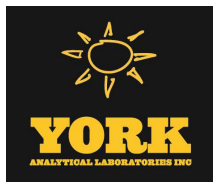
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH





Sample Information

Client Sample ID: SB012_5-7

York Sample ID: 22C1308-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1308

LIG2201

Soil

March 23, 2022 12:25 pm

03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH



Sample Information

Client Sample ID: SB012_5-7

York Sample ID: 22C1308-07

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 23, 2022 12:25 pm

Date Received

03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH



Sample Information

Client Sample ID: SB012_5-7

York Sample ID: 22C1308-07

York Project (SDG) No.
22C1308

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 23, 2022 12:25 pm

Date Received
03/23/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/26/2022 07:03	03/28/2022 14:20	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	32.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	33.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	37.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	38.8 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	42.6 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	38.2 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10900		mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-36-0	Antimony	3.85		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-38-2	Arsenic	ND		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-39-3	Barium	95.0		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.334	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-70-2	Calcium	2450		mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-47-3	Chromium	25.4		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-48-4	Cobalt	10.9		mg/kg dry	0.446	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-50-8	Copper	31.2		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT



Sample Information

Client Sample ID: SB012_5-7

York Sample ID: 22C1308-07

York Project (SDG) No.

22C1308

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 23, 2022 12:25 pm

Date Received

03/23/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	18900		mg/kg dry	27.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7439-92-1	Lead	6.36		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7439-95-4	Magnesium	4010		mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7439-96-5	Manganese	180		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-02-0	Nickel	23.8		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-09-7	Potassium	3900	B	mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-22-4	Silver	ND		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-23-5	Sodium	217		mg/kg dry	55.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-62-2	Vanadium	35.8		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT
7440-66-6	Zinc	40.5		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2022 22:06	03/29/2022 16:22	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0334	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/28/2022 13:19	03/28/2022 15:51	BR

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	89.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2022 15:39	03/29/2022 18:48	TJA



Analytical Batch Summary

Batch ID: BC22804 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-06	GW006	03/23/22
BC22804-BLK1	Blank	03/23/22
BC22804-BS1	LCS	03/23/22
BC22804-BS2	LCS	03/23/22

Batch ID: BC22805 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-06	GW006	03/23/22
BC22805-BLK1	Blank	03/23/22
BC22805-BS1	LCS	03/23/22
BC22805-BS2	LCS	03/23/22

Batch ID: BC22856 **Preparation Method:** EPA 3510C **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-06	GW006	03/24/22
22C1308-06RE1	GW006	03/24/22
BC22856-BLK1	Blank	03/24/22
BC22856-BS1	LCS	03/24/22
BC22856-MS1	Matrix Spike	03/24/22
BC22856-MSD1	Matrix Spike Dup	03/24/22

Batch ID: BC22875 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-02	SB008_5-7	03/24/22
22C1308-03	SB008_9	03/24/22
22C1308-05	SB011_0-2	03/24/22
22C1308-07	SB012_5-7	03/24/22
BC22875-BLK1	Blank	03/24/22
BC22875-BLK2	Blank	03/24/22
BC22875-BS1	LCS	03/24/22
BC22875-BSD1	LCS Dup	03/24/22

Batch ID: BC22901 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-04	GW005	03/24/22
BC22901-BLK1	Blank	03/24/22
BC22901-BS1	LCS	03/24/22
BC22901-BS2	LCS	03/24/22



Batch ID: BC22972

Preparation Method: EPA 3050B

Prepared By: S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-02	SB008_5-7	03/25/22
22C1308-05	SB011_0-2	03/25/22
22C1308-07	SB012_5-7	03/25/22
BC22972-BLK1	Blank	03/25/22
BC22972-DUP1	Duplicate	03/25/22
BC22972-MS1	Matrix Spike	03/25/22
BC22972-PS1	Post Spike	03/25/22
BC22972-SRM1	Reference	03/25/22

Batch ID: BC22978

Preparation Method: EPA 3550C

Prepared By: AJT

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-02	SB008_5-7	03/26/22
22C1308-05	SB011_0-2	03/26/22
22C1308-07	SB012_5-7	03/26/22
BC22978-BLK1	Blank	03/27/22
BC22978-BS1	LCS	03/27/22

Batch ID: BC23005

Preparation Method: EPA 3015A

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-04	GW005	03/28/22
22C1308-06	GW006	03/28/22
BC23005-BLK1	Blank	03/28/22
BC23005-BS1	LCS	03/28/22
BC23005-DUP1	Duplicate	03/28/22
BC23005-MS1	Matrix Spike	03/28/22

Batch ID: BC23008

Preparation Method: EPA 3015A

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-06	GW006	03/28/22
BC23008-BLK1	Blank	03/28/22
BC23008-BS1	LCS	03/28/22
BC23008-DUP1	Duplicate	03/28/22
BC23008-MS1	Matrix Spike	03/28/22
BC23008-PS1	Post Spike	03/28/22

Batch ID: BC23033

Preparation Method: EPA 7473 soil

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-02	SB008_5-7	03/28/22
22C1308-05	SB011_0-2	03/28/22
22C1308-07	SB012_5-7	03/28/22



BC23033-BLK1	Blank	03/28/22
BC23033-DUP1	Duplicate	03/28/22
BC23033-MS1	Matrix Spike	03/28/22
BC23033-SRM1	Reference	03/28/22

Batch ID: BC23058 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-01	GW001	03/28/22
22C1308-04	GW005	03/28/22
22C1308-06	GW006	03/28/22
22C1308-06RE1	GW006	03/28/22
BC23058-BLK1	Blank	03/28/22
BC23058-BS1	LCS	03/28/22
BC23058-BSD1	LCS Dup	03/28/22

Batch ID: BC23065 **Preparation Method:** % Solids Prep **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-03	SB008_9	03/28/22
BC23065-DUP1	Duplicate	03/28/22
BC23065-DUP2	Duplicate	03/28/22

Batch ID: BC23118 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-01RE1	GW001	03/29/22
22C1308-04RE1	GW005	03/29/22
BC23118-BLK1	Blank	03/29/22
BC23118-BS1	LCS	03/29/22
BC23118-BSD1	LCS Dup	03/29/22

Batch ID: BC23148 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
22C1308-02	SB008_5-7	03/29/22
22C1308-05	SB011_0-2	03/29/22
22C1308-07	SB012_5-7	03/29/22
BC23148-DUP1	Duplicate	03/29/22



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 BC22875 - EPA 5035A

Blank (BC22875-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

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 BC22875 - EPA 5035A

Blank (BC22875-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

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	50.0	ug/L	50.0	100	77-125
Surrogate: SURR: Toluene-d8	48.4	"	50.0	96.9	85-120
Surrogate: SURR: p-Bromofluorobenzene	48.9	"	50.0	97.8	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 BC22875 - EPA 5035A

Blank (BC22875-BLK2)

Prepared: 03/24/2022 Analyzed: 03/25/2022

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 BC22875 - EPA 5035A

Blank (BC22875-BLK2)

Prepared: 03/24/2022 Analyzed: 03/25/2022

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

52.0

ug/L

50.0

104

77-125

Surrogate: SURR: Toluene-d8

48.6

"

50.0

97.3

85-120

Surrogate: SURR: p-Bromofluorobenzene

49.0

"

50.0

98.1

76-130

LCS (BC22875-BS1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1,1,2-Tetrachloroethane	53.9	ug/L	50.0	108	75-129	
1,1,1-Trichloroethane	55.9	"	50.0	112	71-137	
1,1,2,2-Tetrachloroethane	49.8	"	50.0	99.5	79-129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	71.0	"	50.0	142	58-146	
1,1,2-Trichloroethane	50.8	"	50.0	102	83-123	
1,1-Dichloroethane	53.2	"	50.0	106	75-130	
1,1-Dichloroethylene	69.5	"	50.0	139	64-137	High Bias
1,1-Dichloropropylene	50.9	"	50.0	102	77-127	
1,2,3-Trichlorobenzene	47.7	"	50.0	95.4	81-140	
1,2,3-Trichloropropane	50.3	"	50.0	101	81-126	
1,2,4-Trichlorobenzene	47.5	"	50.0	95.0	80-141	
1,2,4-Trimethylbenzene	50.0	"	50.0	100	84-125	
1,2-Dibromo-3-chloropropane	52.3	"	50.0	105	74-142	
1,2-Dibromoethane	53.5	"	50.0	107	86-123	
1,2-Dichlorobenzene	50.0	"	50.0	99.9	85-122	
1,2-Dichloroethane	52.8	"	50.0	106	71-133	
1,2-Dichloropropane	52.3	"	50.0	105	81-122	
1,3,5-Trimethylbenzene	50.4	"	50.0	101	82-126	
1,3-Dichlorobenzene	49.6	"	50.0	99.1	84-124	
1,3-Dichloropropane	50.7	"	50.0	101	83-123	
1,4-Dichlorobenzene	49.5	"	50.0	99.0	84-124	
1,4-Dioxane	1100	"	1050	105	10-228	
2,2-Dichloropropane	56.6	"	50.0	113	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 BC22875 - EPA 5035A											
LCS (BC22875-BS1)						Prepared: 03/24/2022 Analyzed: 03/25/2022					
2-Butanone	53.6		ug/L	50.0		107	58-147				
2-Chlorotoluene	50.9		"	50.0		102	78-127				
2-Hexanone	49.7		"	50.0		99.4	70-139				
4-Chlorotoluene	53.8		"	50.0		108	79-125				
4-Methyl-2-pentanone	50.4		"	50.0		101	72-132				
Acetone	41.0		"	50.0		82.0	36-155				
Acrolein	47.1		"	50.0		94.2	10-238				
Acrylonitrile	51.3		"	50.0		103	66-141				
Benzene	54.5		"	50.0		109	77-127				
Bromobenzene	48.9		"	50.0		97.8	77-129				
Bromochloromethane	52.6		"	50.0		105	74-129				
Bromodichloromethane	53.7		"	50.0		107	81-124				
Bromoform	56.0		"	50.0		112	80-136				
Bromomethane	50.0		"	50.0		99.9	32-177				
Carbon disulfide	53.5		"	50.0		107	10-136				
Carbon tetrachloride	57.5		"	50.0		115	66-143				
Chlorobenzene	54.4		"	50.0		109	86-120				
Chloroethane	59.7		"	50.0		119	51-142				
Chloroform	54.7		"	50.0		109	76-131				
Chloromethane	47.6		"	50.0		95.2	49-132				
cis-1,2-Dichloroethylene	52.9		"	50.0		106	74-132				
cis-1,3-Dichloropropylene	52.9		"	50.0		106	81-129				
Cyclohexane	51.1		"	50.0		102	70-130				
Dibromochloromethane	54.5		"	50.0		109	10-200				
Dibromomethane	50.6		"	50.0		101	83-124				
Dichlorodifluoromethane	42.8		"	50.0		85.6	28-158				
Ethyl Benzene	52.7		"	50.0		105	84-125				
Hexachlorobutadiene	52.2		"	50.0		104	83-133				
Isopropylbenzene	53.2		"	50.0		106	81-127				
Methyl acetate	46.3		"	50.0		92.6	41-143				
Methyl tert-butyl ether (MTBE)	53.6		"	50.0		107	74-131				
Methylcyclohexane	51.6		"	50.0		103	70-130				
Methylene chloride	51.4		"	50.0		103	57-141				
n-Butylbenzene	48.9		"	50.0		97.7	80-130				
n-Propylbenzene	50.6		"	50.0		101	74-136				
o-Xylene	53.5		"	50.0		107	83-123				
p- & m- Xylenes	105		"	100		105	82-128				
p-Isopropyltoluene	52.0		"	50.0		104	85-125				
sec-Butylbenzene	52.0		"	50.0		104	83-125				
Styrene	51.5		"	50.0		103	86-126				
tert-Butyl alcohol (TBA)	240		"	250		95.9	70-130				
tert-Butylbenzene	52.9		"	50.0		106	80-127				
Tetrachloroethylene	48.1		"	50.0		96.2	80-129				
Toluene	51.9		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	53.9		"	50.0		108	72-132				
trans-1,3-Dichloropropylene	53.0		"	50.0		106	78-132				
Trichloroethylene	52.7		"	50.0		105	84-123				
Trichlorofluoromethane	55.6		"	50.0		111	62-140				
Vinyl acetate	44.6		"	50.0		89.1	67-136				
Vinyl Chloride	53.4		"	50.0		107	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	49.6		"	50.0		99.1	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 BC22875 - EPA 5035A											
LCS (BC22875-BS1)						Prepared: 03/24/2022 Analyzed: 03/25/2022					
Surrogate: SURR: Toluene-d8	49.1		ug/L	50.0		98.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.5		"	50.0		99.0	76-130				
LCS Dup (BC22875-BS1)						Prepared: 03/24/2022 Analyzed: 03/25/2022					
1,1,1,2-Tetrachloroethane	50.0		ug/L	50.0		100	75-129		7.49	30	
1,1,1-Trichloroethane	53.6		"	50.0		107	71-137		4.24	30	
1,1,2,2-Tetrachloroethane	47.4		"	50.0		94.8	79-129		4.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	65.9		"	50.0		132	58-146		7.48	30	
1,1,2-Trichloroethane	47.9		"	50.0		95.7	83-123		5.96	30	
1,1-Dichloroethane	48.9		"	50.0		97.8	75-130		8.31	30	
1,1-Dichloroethylene	63.0		"	50.0		126	64-137		9.73	30	
1,1-Dichloropropylene	47.3		"	50.0		94.6	77-127		7.31	30	
1,2,3-Trichlorobenzene	46.5		"	50.0		92.9	81-140		2.59	30	
1,2,3-Trichloropropane	47.7		"	50.0		95.4	81-126		5.18	30	
1,2,4-Trichlorobenzene	45.8		"	50.0		91.6	80-141		3.56	30	
1,2,4-Trimethylbenzene	46.8		"	50.0		93.6	84-125		6.73	30	
1,2-Dibromo-3-chloropropane	49.1		"	50.0		98.2	74-142		6.31	30	
1,2-Dibromoethane	49.8		"	50.0		99.6	86-123		7.15	30	
1,2-Dichlorobenzene	47.3		"	50.0		94.6	85-122		5.53	30	
1,2-Dichloroethane	51.4		"	50.0		103	71-133		2.74	30	
1,2-Dichloropropane	48.4		"	50.0		96.9	81-122		7.72	30	
1,3,5-Trimethylbenzene	47.3		"	50.0		94.6	82-126		6.37	30	
1,3-Dichlorobenzene	47.0		"	50.0		93.9	84-124		5.39	30	
1,3-Dichloropropane	47.0		"	50.0		94.1	83-123		7.49	30	
1,4-Dichlorobenzene	47.1		"	50.0		94.1	84-124		5.09	30	
1,4-Dioxane	1060		"	1050		101	10-228		4.47	30	
2,2-Dichloropropane	52.7		"	50.0		105	67-136		7.10	30	
2-Butanone	47.2		"	50.0		94.3	58-147		12.9	30	
2-Chlorotoluene	47.6		"	50.0		95.1	78-127		6.78	30	
2-Hexanone	46.9		"	50.0		93.9	70-139		5.69	30	
4-Chlorotoluene	50.7		"	50.0		101	79-125		5.94	30	
4-Methyl-2-pentanone	48.2		"	50.0		96.5	72-132		4.36	30	
Acetone	38.9		"	50.0		77.8	36-155		5.26	30	
Acrolein	43.6		"	50.0		87.2	10-238		7.67	30	
Acrylonitrile	48.6		"	50.0		97.2	66-141		5.50	30	
Benzene	49.3		"	50.0		98.7	77-127		9.96	30	
Bromobenzene	45.5		"	50.0		91.1	77-129		7.14	30	
Bromochloromethane	48.1		"	50.0		96.3	74-129		8.80	30	
Bromodichloromethane	50.2		"	50.0		100	81-124		6.68	30	
Bromoform	52.5		"	50.0		105	80-136		6.58	30	
Bromomethane	46.6		"	50.0		93.2	32-177		6.98	30	
Carbon disulfide	49.0		"	50.0		98.0	10-136		8.72	30	
Carbon tetrachloride	54.9		"	50.0		110	66-143		4.57	30	
Chlorobenzene	50.5		"	50.0		101	86-120		7.36	30	
Chloroethane	56.1		"	50.0		112	51-142		6.25	30	
Chloroform	52.0		"	50.0		104	76-131		5.04	30	
Chloromethane	43.7		"	50.0		87.4	49-132		8.54	30	
cis-1,2-Dichloroethylene	48.8		"	50.0		97.5	74-132		8.16	30	
cis-1,3-Dichloropropylene	48.8		"	50.0		97.6	81-129		8.14	30	
Cyclohexane	46.0		"	50.0		92.0	70-130		10.5	30	
Dibromochloromethane	50.4		"	50.0		101	10-200		7.80	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 BC22875 - EPA 5035A

LCS Dup (BC22875-BSD1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

Dibromomethane	48.0		ug/L	50.0		96.0	83-124		5.39	30	
Dichlorodifluoromethane	39.4		"	50.0		78.9	28-158		8.19	30	
Ethyl Benzene	48.4		"	50.0		96.8	84-125		8.53	30	
Hexachlorobutadiene	49.1		"	50.0		98.2	83-133		6.24	30	
Isopropylbenzene	49.3		"	50.0		98.6	81-127		7.57	30	
Methyl acetate	43.0		"	50.0		86.0	41-143		7.37	30	
Methyl tert-butyl ether (MTBE)	51.4		"	50.0		103	74-131		4.30	30	
Methylcyclohexane	46.9		"	50.0		93.8	70-130		9.40	30	
Methylene chloride	46.6		"	50.0		93.2	57-141		9.74	30	
n-Butylbenzene	45.9		"	50.0		91.9	80-130		6.18	30	
n-Propylbenzene	47.3		"	50.0		94.6	74-136		6.78	30	
o-Xylene	49.4		"	50.0		98.8	83-123		8.05	30	
p- & m- Xylenes	97.4		"	100		97.4	82-128		7.46	30	
p-Isopropyltoluene	48.5		"	50.0		97.0	85-125		6.83	30	
sec-Butylbenzene	48.1		"	50.0		96.2	83-125		7.81	30	
Styrene	47.6		"	50.0		95.2	86-126		7.75	30	
tert-Butyl alcohol (TBA)	240		"	250		96.1	70-130		0.271	30	
tert-Butylbenzene	49.0		"	50.0		97.9	80-127		7.72	30	
Tetrachloroethylene	44.8		"	50.0		89.6	80-129		7.10	30	
Toluene	47.8		"	50.0		95.5	85-121		8.27	30	
trans-1,2-Dichloroethylene	48.9		"	50.0		97.8	72-132		9.76	30	
trans-1,3-Dichloropropylene	48.8		"	50.0		97.7	78-132		8.11	30	
Trichloroethylene	48.7		"	50.0		97.5	84-123		7.73	30	
Trichlorofluoromethane	52.0		"	50.0		104	62-140		6.81	30	
Vinyl acetate	35.8		"	50.0		71.5	67-136		21.9	30	
Vinyl Chloride	49.2		"	50.0		98.5	52-130		8.13	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.8		"	50.0		99.5	77-125				
Surrogate: SURR: Toluene-d8	48.1		"	50.0		96.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.3		"	50.0		98.6	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 BC23058 - EPA 5030B

Blank (BC23058-BLK1)

Prepared & Analyzed: 03/28/2022

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	"
Methyleyclohexane	ND	0.500	"
Methylene chloride	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 BC23058 - EPA 5030B											
Blank (BC23058-BLK1)											
Prepared & Analyzed: 03/28/2022											
Naphthalene	ND	2.00	ug/L								
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	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.83		"	10.0		98.3	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				
LCS (BC23058-BS1)											
Prepared & Analyzed: 03/28/2022											
1,1,1,2-Tetrachloroethane	9.68		ug/L	10.0		96.8	82-126				
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136				
1,1,2,2-Tetrachloroethane	9.25		"	10.0		92.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165				
1,1,2-Trichloroethane	8.69		"	10.0		86.9	82-123				
1,1-Dichloroethane	10.4		"	10.0		104	82-129				
1,1-Dichloroethylene	11.2		"	10.0		112	68-138				
1,2,3-Trichlorobenzene	7.50		"	10.0		75.0	76-136	Low Bias			
1,2,3-Trichloropropane	9.03		"	10.0		90.3	77-128				
1,2,4-Trichlorobenzene	8.20		"	10.0		82.0	76-137				
1,2,4-Trimethylbenzene	9.87		"	10.0		98.7	82-132				
1,2-Dibromo-3-chloropropane	6.96		"	10.0		69.6	45-147				
1,2-Dibromoethane	8.86		"	10.0		88.6	83-124				
1,2-Dichlorobenzene	9.85		"	10.0		98.5	79-123				
1,2-Dichloroethane	10.0		"	10.0		100	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131				
1,3-Dichlorobenzene	9.52		"	10.0		95.2	86-122				
1,3-Dichloropropane	9.03		"	10.0		90.3	81-125				
1,4-Dichlorobenzene	9.71		"	10.0		97.1	85-124				
1,4-Dioxane	189		"	210		90.1	10-349				
2-Butanone	9.07		"	10.0		90.7	49-152				
2-Hexanone	9.02		"	10.0		90.2	51-146				
4-Methyl-2-pentanone	9.07		"	10.0		90.7	57-145				
Acetone	9.34		"	10.0		93.4	14-150				
Acrolein	6.06		"	10.0		60.6	10-153				



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 BC23058 - EPA 5030B

LCS (BC23058-BS1)

Prepared & Analyzed: 03/28/2022

Acrylonitrile	9.85		ug/L	10.0		98.5	51-150				
Benzene	10.0		"	10.0		100	85-126				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	9.35		"	10.0		93.5	79-128				
Bromoform	9.50		"	10.0		95.0	78-133				
Bromomethane	5.91		"	10.0		59.1	43-168				
Carbon disulfide	10.0		"	10.0		100	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	11.0		"	10.0		110	65-136				
Chloroform	10.0		"	10.0		100	82-128				
Chloromethane	12.1		"	10.0		121	43-155				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129				
cis-1,3-Dichloropropylene	9.42		"	10.0		94.2	80-131				
Cyclohexane	7.83		"	10.0		78.3	63-149				
Dibromochloromethane	8.79		"	10.0		87.9	80-130				
Dibromomethane	9.03		"	10.0		90.3	72-134				
Dichlorodifluoromethane	17.3		"	10.0		173	44-144	High Bias			
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	9.99		"	10.0		99.9	67-146				
Isopropylbenzene	10.4		"	10.0		104	76-140				
Methyl acetate	8.66		"	10.0		86.6	51-139				
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1	76-135				
Methylcyclohexane	9.69		"	10.0		96.9	72-143				
Methylene chloride	10.4		"	10.0		104	55-137				
Naphthalene	7.30		"	10.0		73.0	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.6		"	10.0		106	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	18.0		"	20.0		90.0	77-133				
p-Diethylbenzene	9.51		"	10.0		95.1	84-134				
p-Ethyltoluene	10.7		"	10.0		107	88-129				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	9.80		"	10.0		98.0	67-132				
tert-Butyl alcohol (TBA)	39.4		"	50.0		78.7	25-162				
tert-Butylbenzene	8.17		"	10.0		81.7	77-138				
Tetrachloroethylene	9.74		"	10.0		97.4	82-131				
Toluene	9.92		"	10.0		99.2	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.17		"	10.0		91.7	78-131				
Trichloroethylene	9.49		"	10.0		94.9	82-128				
Trichlorofluoromethane	12.0		"	10.0		120	67-139				
Vinyl Chloride	14.4		"	10.0		144	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.97		"	10.0		99.7	69-130				
Surrogate: SURR: Toluene-d8	9.82		"	10.0		98.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.3		"	10.0		103	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 BC23058 - EPA 5030B											
LCS Dup (BC23058-BSD1)						Prepared & Analyzed: 03/28/2022					
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		3.25	30	
1,1,1-Trichloroethane	9.41		"	10.0		94.1	78-136		6.28	30	
1,1,2,2-Tetrachloroethane	9.15		"	10.0		91.5	76-129		1.09	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		7.39	30	
1,1,2-Trichloroethane	8.70		"	10.0		87.0	82-123		0.115	30	
1,1-Dichloroethane	9.91		"	10.0		99.1	82-129		4.44	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		7.14	30	
1,2,3-Trichlorobenzene	7.60		"	10.0		76.0	76-136		1.32	30	
1,2,3-Trichloropropane	8.91		"	10.0		89.1	77-128		1.34	30	
1,2,4-Trichlorobenzene	8.16		"	10.0		81.6	76-137		0.489	30	
1,2,4-Trimethylbenzene	9.16		"	10.0		91.6	82-132		7.46	30	
1,2-Dibromo-3-chloropropane	7.25		"	10.0		72.5	45-147		4.08	30	
1,2-Dibromoethane	8.87		"	10.0		88.7	83-124		0.113	30	
1,2-Dichlorobenzene	9.41		"	10.0		94.1	79-123		4.57	30	
1,2-Dichloroethane	9.94		"	10.0		99.4	73-132		0.901	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		3.74	30	
1,3,5-Trimethylbenzene	9.24		"	10.0		92.4	80-131		8.20	30	
1,3-Dichlorobenzene	8.92		"	10.0		89.2	86-122		6.51	30	
1,3-Dichloropropane	9.04		"	10.0		90.4	81-125		0.111	30	
1,4-Dichlorobenzene	9.11		"	10.0		91.1	85-124		6.38	30	
1,4-Dioxane	199		"	210		94.8	10-349		5.17	30	
2-Butanone	9.35		"	10.0		93.5	49-152		3.04	30	
2-Hexanone	9.30		"	10.0		93.0	51-146		3.06	30	
4-Methyl-2-pentanone	9.44		"	10.0		94.4	57-145		4.00	30	
Acetone	9.18		"	10.0		91.8	14-150		1.73	30	
Acrolein	5.99		"	10.0		59.9	10-153		1.16	30	
Acrylonitrile	9.87		"	10.0		98.7	51-150		0.203	30	
Benzene	9.56		"	10.0		95.6	85-126		4.60	30	
Bromochloromethane	9.99		"	10.0		99.9	77-128		2.47	30	
Bromodichloromethane	9.11		"	10.0		91.1	79-128		2.60	30	
Bromoform	9.52		"	10.0		95.2	78-133		0.210	30	
Bromomethane	5.74		"	10.0		57.4	43-168		2.92	30	
Carbon disulfide	9.22		"	10.0		92.2	68-146		8.12	30	
Carbon tetrachloride	9.84		"	10.0		98.4	77-141		7.15	30	
Chlorobenzene	9.69		"	10.0		96.9	88-120		4.24	30	
Chloroethane	10.2		"	10.0		102	65-136		6.99	30	
Chloroform	9.62		"	10.0		96.2	82-128		4.37	30	
Chloromethane	10.8		"	10.0		108	43-155		11.3	30	
cis-1,2-Dichloroethylene	9.89		"	10.0		98.9	83-129		4.26	30	
cis-1,3-Dichloropropylene	9.16		"	10.0		91.6	80-131		2.80	30	
Cyclohexane	7.32		"	10.0		73.2	63-149		6.73	30	
Dibromochloromethane	8.72		"	10.0		87.2	80-130		0.800	30	
Dibromomethane	8.94		"	10.0		89.4	72-134		1.00	30	
Dichlorodifluoromethane	15.5		"	10.0		155	44-144	High Bias	10.8	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		4.96	30	
Hexachlorobutadiene	10.1		"	10.0		101	67-146		0.698	30	
Isopropylbenzene	9.59		"	10.0		95.9	76-140		8.20	30	
Methyl acetate	9.12		"	10.0		91.2	51-139		5.17	30	
Methyl tert-butyl ether (MTBE)	8.85		"	10.0		88.5	76-135		0.453	30	
Methyleyclohexane	9.07		"	10.0		90.7	72-143		6.61	30	
Methylene chloride	9.99		"	10.0		99.9	55-137		3.64	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 BC23058 - EPA 5030B

LCS Dup (BC23058-BSD1)

Prepared & Analyzed: 03/28/2022

Naphthalene	7.44		ug/L	10.0		74.4	70-147		1.90	30
n-Butylbenzene	9.78		"	10.0		97.8	79-132		5.95	30
n-Propylbenzene	9.70		"	10.0		97.0	78-133		8.58	30
o-Xylene	9.92		"	10.0		99.2	78-130		4.05	30
p- & m- Xylenes	17.1		"	20.0		85.4	77-133		5.19	30
p-Diethylbenzene	8.90		"	10.0		89.0	84-134		6.63	30
p-Ethyltoluene	9.92		"	10.0		99.2	88-129		7.94	30
p-Isopropyltoluene	9.39		"	10.0		93.9	81-136		7.78	30
sec-Butylbenzene	9.32		"	10.0		93.2	79-137		8.72	30
Styrene	9.44		"	10.0		94.4	67-132		3.74	30
tert-Butyl alcohol (TBA)	39.9		"	50.0		79.8	25-162		1.39	30
tert-Butylbenzene	7.53		"	10.0		75.3	77-138	Low Bias	8.15	30
Tetrachloroethylene	9.14		"	10.0		91.4	82-131		6.36	30
Toluene	9.43		"	10.0		94.3	80-127		5.06	30
trans-1,2-Dichloroethylene	9.95		"	10.0		99.5	80-132		6.33	30
trans-1,3-Dichloropropylene	9.06		"	10.0		90.6	78-131		1.21	30
Trichloroethylene	9.00		"	10.0		90.0	82-128		5.30	30
Trichlorofluoromethane	10.9		"	10.0		109	67-139		8.82	30
Vinyl Chloride	13.0		"	10.0		130	58-145		9.92	30
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130			
Surrogate: SURR: Toluene-d8	9.77		"	10.0		97.7	81-117			
Surrogate: SURR: p-Bromofluorobenzene	9.99		"	10.0		99.9	79-122			

Batch BC23118 - EPA 5030B

Blank (BC23118-BLK1)

Prepared & Analyzed: 03/29/2022

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 BC23118 - EPA 5030B

Blank (BC23118-BLK1)

Prepared & Analyzed: 03/29/2022

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	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	10.2	"	10.0	102	69-130
Surrogate: SURR: Toluene-d8	9.84	"	10.0	98.4	81-117
Surrogate: SURR: p-Bromofluorobenzene	10.7	"	10.0	107	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 BC23118 - EPA 5030B											
LCS (BC23118-BS1)						Prepared & Analyzed: 03/29/2022					
1,1,1,2-Tetrachloroethane	9.73		ug/L	10.0		97.3	82-126				
1,1,1-Trichloroethane	9.91		"	10.0		99.1	78-136				
1,1,2,2-Tetrachloroethane	9.52		"	10.0		95.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	54-165				
1,1,2-Trichloroethane	8.70		"	10.0		87.0	82-123				
1,1-Dichloroethane	10.4		"	10.0		104	82-129				
1,1-Dichloroethylene	11.0		"	10.0		110	68-138				
1,2,3-Trichlorobenzene	7.69		"	10.0		76.9	76-136				
1,2,3-Trichloropropane	9.21		"	10.0		92.1	77-128				
1,2,4-Trichlorobenzene	8.38		"	10.0		83.8	76-137				
1,2,4-Trimethylbenzene	10.0		"	10.0		100	82-132				
1,2-Dibromo-3-chloropropane	8.67		"	10.0		86.7	45-147				
1,2-Dibromoethane	8.99		"	10.0		89.9	83-124				
1,2-Dichlorobenzene	9.99		"	10.0		99.9	79-123				
1,2-Dichloroethane	10.2		"	10.0		102	73-132				
1,2-Dichloropropane	10.8		"	10.0		108	78-126				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131				
1,3-Dichlorobenzene	9.59		"	10.0		95.9	86-122				
1,3-Dichloropropane	9.21		"	10.0		92.1	81-125				
1,4-Dichlorobenzene	9.78		"	10.0		97.8	85-124				
1,4-Dioxane	194		"	210		92.2	10-349				
2-Butanone	9.14		"	10.0		91.4	49-152				
2-Hexanone	9.38		"	10.0		93.8	51-146				
4-Methyl-2-pentanone	9.54		"	10.0		95.4	57-145				
Acetone	9.11		"	10.0		91.1	14-150				
Acrolein	6.52		"	10.0		65.2	10-153				
Acrylonitrile	10.2		"	10.0		102	51-150				
Benzene	9.97		"	10.0		99.7	85-126				
Bromochloromethane	10.5		"	10.0		105	77-128				
Bromodichloromethane	9.47		"	10.0		94.7	79-128				
Bromoform	9.46		"	10.0		94.6	78-133				
Bromomethane	5.66		"	10.0		56.6	43-168				
Carbon disulfide	9.57		"	10.0		95.7	68-146				
Carbon tetrachloride	10.4		"	10.0		104	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	10.4		"	10.0		104	65-136				
Chloroform	10.1		"	10.0		101	82-128				
Chloromethane	10.7		"	10.0		107	43-155				
cis-1,2-Dichloroethylene	10.5		"	10.0		105	83-129				
cis-1,3-Dichloropropylene	9.65		"	10.0		96.5	80-131				
Cyclohexane	7.75		"	10.0		77.5	63-149				
Dibromochloromethane	8.86		"	10.0		88.6	80-130				
Dibromomethane	9.12		"	10.0		91.2	72-134				
Dichlorodifluoromethane	12.8		"	10.0		128	44-144				
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	10.4		"	10.0		104	67-146				
Isopropylbenzene	10.6		"	10.0		106	76-140				
Methyl acetate	9.32		"	10.0		93.2	51-139				
Methyl tert-butyl ether (MTBE)	8.82		"	10.0		88.2	76-135				
Methyleyclohexane	9.71		"	10.0		97.1	72-143				
Methylene chloride	10.4		"	10.0		104	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 BC23118 - EPA 5030B											
LCS (BC23118-BS1)						Prepared & Analyzed: 03/29/2022					
Naphthalene	7.60		ug/L	10.0		76.0	70-147				
n-Butylbenzene	10.7		"	10.0		107	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.5		"	10.0		105	78-130				
p- & m- Xylenes	18.2		"	20.0		91.0	77-133				
p-Diethylbenzene	9.73		"	10.0		97.3	84-134				
p-Ethyltoluene	10.8		"	10.0		108	88-129				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butyl alcohol (TBA)	40.6		"	50.0		81.3	25-162				
tert-Butylbenzene	8.30		"	10.0		83.0	77-138				
Tetrachloroethylene	9.73		"	10.0		97.3	82-131				
Toluene	9.96		"	10.0		99.6	80-127				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	9.42		"	10.0		94.2	78-131				
Trichloroethylene	9.55		"	10.0		95.5	82-128				
Trichlorofluoromethane	11.3		"	10.0		113	67-139				
Vinyl Chloride	13.2		"	10.0		132	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	9.82		"	10.0		98.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.5		"	10.0		105	79-122				
LCS Dup (BC23118-BS1)						Prepared & Analyzed: 03/29/2022					
1,1,1,2-Tetrachloroethane	9.55		ug/L	10.0		95.5	82-126		1.87	30	
1,1,1-Trichloroethane	9.50		"	10.0		95.0	78-136		4.22	30	
1,1,2,2-Tetrachloroethane	9.33		"	10.0		93.3	76-129		2.02	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.91		"	10.0		99.1	54-165		4.05	30	
1,1,2-Trichloroethane	8.85		"	10.0		88.5	82-123		1.71	30	
1,1-Dichloroethane	10.0		"	10.0		100	82-129		3.04	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		5.34	30	
1,2,3-Trichlorobenzene	7.78		"	10.0		77.8	76-136		1.16	30	
1,2,3-Trichloropropane	9.13		"	10.0		91.3	77-128		0.872	30	
1,2,4-Trichlorobenzene	8.33		"	10.0		83.3	76-137		0.598	30	
1,2,4-Trimethylbenzene	9.41		"	10.0		94.1	82-132		6.38	30	
1,2-Dibromo-3-chloropropane	7.56		"	10.0		75.6	45-147		13.7	30	
1,2-Dibromoethane	9.09		"	10.0		90.9	83-124		1.11	30	
1,2-Dichlorobenzene	9.51		"	10.0		95.1	79-123		4.92	30	
1,2-Dichloroethane	10.2		"	10.0		102	73-132		0.490	30	
1,2-Dichloropropane	10.6		"	10.0		106	78-126		2.25	30	
1,3,5-Trimethylbenzene	9.47		"	10.0		94.7	80-131		7.42	30	
1,3-Dichlorobenzene	9.09		"	10.0		90.9	86-122		5.35	30	
1,3-Dichloropropane	9.31		"	10.0		93.1	81-125		1.08	30	
1,4-Dichlorobenzene	9.25		"	10.0		92.5	85-124		5.57	30	
1,4-Dioxane	204		"	210		97.0	10-349		5.02	30	
2-Butanone	9.39		"	10.0		93.9	49-152		2.70	30	
2-Hexanone	9.72		"	10.0		97.2	51-146		3.56	30	
4-Methyl-2-pentanone	9.90		"	10.0		99.0	57-145		3.70	30	
Acetone	9.62		"	10.0		96.2	14-150		5.45	30	
Acrolein	6.43		"	10.0		64.3	10-153		1.39	30	
Acrylonitrile	9.81		"	10.0		98.1	51-150		3.51	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 BC23118 - EPA 5030B											
LCS Dup (BC23118-BSD1)						Prepared & Analyzed: 03/29/2022					
Benzene	9.67		ug/L	10.0		96.7	85-126		3.05	30	
Bromochloromethane	10.4		"	10.0		104	77-128		1.24	30	
Bromodichloromethane	9.35		"	10.0		93.5	79-128		1.28	30	
Bromoform	9.64		"	10.0		96.4	78-133		1.88	30	
Bromomethane	5.57		"	10.0		55.7	43-168		1.60	30	
Carbon disulfide	9.01		"	10.0		90.1	68-146		6.03	30	
Carbon tetrachloride	9.98		"	10.0		99.8	77-141		4.31	30	
Chlorobenzene	9.88		"	10.0		98.8	88-120		2.20	30	
Chloroethane	9.88		"	10.0		98.8	65-136		5.51	30	
Chloroform	9.80		"	10.0		98.0	82-128		2.72	30	
Chloromethane	9.71		"	10.0		97.1	43-155		9.33	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		3.09	30	
cis-1,3-Dichloropropylene	9.46		"	10.0		94.6	80-131		1.99	30	
Cyclohexane	7.43		"	10.0		74.3	63-149		4.22	30	
Dibromochloromethane	8.81		"	10.0		88.1	80-130		0.566	30	
Dibromomethane	9.12		"	10.0		91.2	72-134		0.00	30	
Dichlorodifluoromethane	11.8		"	10.0		118	44-144		8.77	30	
Ethyl Benzene	10.3		"	10.0		103	80-131		3.06	30	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		0.0966	30	
Isopropylbenzene	9.84		"	10.0		98.4	76-140		7.44	30	
Methyl acetate	9.65		"	10.0		96.5	51-139		3.48	30	
Methyl tert-butyl ether (MTBE)	8.99		"	10.0		89.9	76-135		1.91	30	
Methylcyclohexane	9.31		"	10.0		93.1	72-143		4.21	30	
Methylene chloride	10.2		"	10.0		102	55-137		2.04	30	
Naphthalene	7.79		"	10.0		77.9	70-147		2.47	30	
n-Butylbenzene	10.1		"	10.0		101	79-132		6.05	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		7.74	30	
o-Xylene	10.2		"	10.0		102	78-130		2.71	30	
p- & m- Xylenes	17.6		"	20.0		88.2	77-133		3.18	30	
p-Diethylbenzene	9.18		"	10.0		91.8	84-134		5.82	30	
p-Ethyltoluene	10.2		"	10.0		102	88-129		5.78	30	
p-Isopropyltoluene	9.61		"	10.0		96.1	81-136		6.64	30	
sec-Butylbenzene	9.63		"	10.0		96.3	79-137		7.01	30	
Styrene	9.73		"	10.0		97.3	67-132		2.84	30	
tert-Butyl alcohol (TBA)	42.6		"	50.0		85.1	25-162		4.57	30	
tert-Butylbenzene	7.71		"	10.0		77.1	77-138		7.37	30	
Tetrachloroethylene	9.39		"	10.0		93.9	82-131		3.56	30	
Toluene	9.61		"	10.0		96.1	80-127		3.58	30	
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132		4.48	30	
trans-1,3-Dichloropropylene	9.44		"	10.0		94.4	78-131		0.212	30	
Trichloroethylene	9.11		"	10.0		91.1	82-128		4.72	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-139		6.37	30	
Vinyl Chloride	12.1		"	10.0		121	58-145		8.61	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: SURR: Toluene-d8	9.81		"	10.0		98.1	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Semivolatile 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 BC22856 - EPA 3510C

Blank (BC22856-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"



Semivolatile 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 BC22856 - EPA 3510C

Blank (BC22856-BLK1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	15.6		"	50.0		31.2	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.12		"	50.0		18.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	15.7		"	25.0		62.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	15.4		"	25.0		61.5	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	35.1		"	50.0		70.2	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.0		"	25.0		75.8	30.7-106				

LCS (BC22856-BS1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1-Biphenyl	15.0	5.00	ug/L	25.0		60.0	33-95				
1,2,4,5-Tetrachlorobenzene	13.4	5.00	"	25.0		53.4	26-120				
1,2,4-Trichlorobenzene	12.5	5.00	"	25.0		49.9	20-118				
1,2-Dichlorobenzene	12.1	5.00	"	25.0		48.4	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	15.0	5.00	"	25.0		59.9	16-141				
1,3-Dichlorobenzene	11.9	5.00	"	25.0		47.4	23-117				
1,4-Dichlorobenzene	12.1	5.00	"	25.0		48.5	30-105				
2,3,4,6-Tetrachlorophenol	17.6	5.00	"	25.0		70.6	30-130				
2,4,5-Trichlorophenol	14.4	5.00	"	25.0		57.8	32-114				
2,4,6-Trichlorophenol	14.6	5.00	"	25.0		58.4	35-118				
2,4-Dichlorophenol	15.0	5.00	"	25.0		60.1	25-116				
2,4-Dimethylphenol	15.0	5.00	"	25.0		60.0	15-116				
2,4-Dinitrophenol	19.3	5.00	"	25.0		77.3	10-170				
2,4-Dinitrotoluene	15.5	5.00	"	25.0		62.2	41-128				
2,6-Dinitrotoluene	16.3	5.00	"	25.0		65.3	45-116				
2-Chloronaphthalene	13.4	5.00	"	25.0		53.5	33-112				
2-Chlorophenol	12.8	5.00	"	25.0		51.3	15-120				
2-Methylnaphthalene	14.0	5.00	"	25.0		56.0	24-118				
2-Methylphenol	11.4	5.00	"	25.0		45.8	10-110				
2-Nitroaniline	15.3	5.00	"	25.0		61.3	34-129				
2-Nitrophenol	14.4	5.00	"	25.0		57.6	28-118				
3- & 4-Methylphenols	9.16	5.00	"	25.0		36.6	10-107				
3,3-Dichlorobenzidine	11.1	5.00	"	25.0		44.6	15-187				
3-Nitroaniline	14.2	5.00	"	25.0		56.9	24-134				
4,6-Dinitro-2-methylphenol	18.1	5.00	"	25.0		72.6	10-153				
4-Bromophenyl phenyl ether	14.3	5.00	"	25.0		57.4	34-120				
4-Chloro-3-methylphenol	15.2	5.00	"	25.0		60.8	20-120				
4-Chloroaniline	13.2	5.00	"	25.0		52.6	10-147				
4-Chlorophenyl phenyl ether	14.4	5.00	"	25.0		57.6	27-121				
4-Nitroaniline	14.4	5.00	"	25.0		57.7	13-134				
4-Nitrophenol	7.63	5.00	"	25.0		30.5	10-131				
Acetophenone	14.8	5.00	"	25.0		59.1	25-110				
Aniline	9.65	5.00	"	25.0		38.6	10-117				
Benzaldehyde	14.6	5.00	"	25.0		58.5	29-117				
Benzoic acid	5.06	5.00	"	25.0		20.2	30-130	Low Bias			
Benzyl alcohol	9.07	5.00	"	25.0		36.3	10-117				
Benzyl butyl phthalate	17.9	5.00	"	25.0		71.6	29-133				
Bis(2-chloroethoxy)methane	13.4	5.00	"	25.0		53.8	10-154				
Bis(2-chloroethyl)ether	12.4	5.00	"	25.0		49.8	17-125				
Bis(2-chloroisopropyl)ether	12.5	5.00	"	25.0		50.0	10-139				



Semivolatile 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 BC22856 - EPA 3510C

LCS (BC22856-BS1)

Prepared: 03/24/2022 Analyzed: 03/25/2022

Caprolactam	2.89	5.00	ug/L	25.0		11.6	10-137				
Carbazole	15.6	5.00	"	25.0		62.6	42-126				
Dibenzofuran	14.4	5.00	"	25.0		57.7	36-113				
Diethyl phthalate	15.3	5.00	"	25.0		61.2	38-115				
Dimethyl phthalate	15.0	5.00	"	25.0		60.0	38-129				
Di-n-butyl phthalate	15.8	5.00	"	25.0		63.0	31-120				
Di-n-octyl phthalate	13.4	5.00	"	25.0		53.7	21-149				
Hexachlorocyclopentadiene	13.1	10.0	"	25.0		52.3	10-130				
Isophorone	14.4	5.00	"	25.0		57.5	25-127				
N-nitroso-di-n-propylamine	13.5	5.00	"	25.0		53.9	26-122				
N-Nitrosodiphenylamine	18.0	5.00	"	25.0		72.2	23-149				
Phenol	4.58	5.00	"	25.0		18.3	10-110				
Pyridine	4.09	5.00	"	25.5		16.0	10-90				
Surrogate: SURR: 2-Fluorophenol	15.2		"	50.0		30.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.53		"	50.0		19.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	15.0		"	25.0		60.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	14.8		"	25.0		59.3	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	36.0		"	50.0		72.1	39.3-151				
Surrogate: SURR: Terphenyl-d14	17.9		"	25.0		71.6	30.7-106				

Matrix Spike (BC22856-MS1)

*Source sample: 22C1331-03 (Matrix Spike)

Prepared: 03/24/2022 Analyzed: 03/25/2022

1,1-Biphenyl	18.2	5.41	ug/L	27.0	ND	67.5	26-79				
1,2,4,5-Tetrachlorobenzene	16.9	5.41	"	27.0	ND	62.4	33-90				
1,2,4-Trichlorobenzene	16.4	5.41	"	27.0	ND	60.6	31-88				
1,2-Dichlorobenzene	16.4	5.41	"	27.0	ND	60.8	24-93				
1,2-Diphenylhydrazine (as Azobenzene)	17.9	5.41	"	27.0	ND	66.2	21-107				
1,3-Dichlorobenzene	16.0	5.41	"	27.0	ND	59.3	28-86				
1,4-Dichlorobenzene	15.6	5.41	"	27.0	ND	57.9	25-85				
2,3,4,6-Tetrachlorophenol	19.5	5.41	"	27.0	ND	72.2	30-130				
2,4,5-Trichlorophenol	18.0	5.41	"	27.0	ND	66.6	43-96				
2,4,6-Trichlorophenol	18.1	5.41	"	27.0	ND	67.1	46-94				
2,4-Dichlorophenol	18.9	5.41	"	27.0	ND	69.9	26-101				
2,4-Dimethylphenol	18.6	5.41	"	27.0	ND	68.9	10-104				
2,4-Dinitrophenol	30.4	5.41	"	27.0	ND	112	10-146				
2,4-Dinitrotoluene	19.1	5.41	"	27.0	ND	70.6	30-108				
2,6-Dinitrotoluene	19.7	5.41	"	27.0	ND	73.0	38-98				
2-Chloronaphthalene	16.6	5.41	"	27.0	ND	61.4	30-89				
2-Chlorophenol	17.2	5.41	"	27.0	ND	63.6	24-98				
2-Methylnaphthalene	17.9	5.41	"	27.0	ND	66.3	10-112				
2-Methylphenol	14.7	5.41	"	27.0	ND	54.5	10-134				
2-Nitroaniline	19.1	5.41	"	27.0	ND	70.6	25-110				
2-Nitrophenol	19.5	5.41	"	27.0	ND	72.3	10-139				
3- & 4-Methylphenols	12.2	5.41	"	27.0	ND	45.1	10-91				
3,3-Dichlorobenzidine	ND	5.41	"	27.0	ND		10-140	Low Bias			
3-Nitroaniline	11.4	5.41	"	27.0	ND	42.3	22-111				
4,6-Dinitro-2-methylphenol	25.7	5.41	"	27.0	ND	95.2	10-140				
4-Bromophenyl phenyl ether	17.3	5.41	"	27.0	ND	63.9	30-108				
4-Chloro-3-methylphenol	19.4	5.41	"	27.0	ND	71.8	11-109				
4-Chloroaniline	9.77	5.41	"	27.0	ND	36.2	10-116				
4-Chlorophenyl phenyl ether	16.8	5.41	"	27.0	ND	62.3	39-85				
4-Nitroaniline	14.6	5.41	"	27.0	ND	53.9	11-132				



Semivolatile 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 BC22856 - EPA 3510C

Matrix Spike (BC22856-MS1)		*Source sample: 22C1331-03 (Matrix Spike)					Prepared: 03/24/2022 Analyzed: 03/25/2022				
4-Nitrophenol	10.4	5.41	ug/L	27.0	ND	38.6	10-82				
Acetophenone	19.0	5.41	"	27.0	ND	70.4	14-102				
Aniline	7.54	5.41	"	27.0	ND	27.9	10-80				
Benzaldehyde	17.2	5.41	"	27.0	ND	63.5	13-87				
Benzoic acid	9.55	5.41	"	27.0	ND	35.3	10-162				
Benzyl alcohol	12.1	5.41	"	27.0	ND	44.6	10-102				
Benzyl butyl phthalate	22.8	5.41	"	27.0	ND	84.5	10-133				
Bis(2-chloroethoxy)methane	16.8	5.41	"	27.0	ND	62.2	18-105				
Bis(2-chloroethyl)ether	18.4	5.41	"	27.0	ND	68.1	10-108				
Bis(2-chloroisopropyl)ether	16.0	5.41	"	27.0	ND	59.1	13-116				
Caprolactam	3.90	5.41	"	27.0	ND	14.4	10-75				
Carbazole	19.4	5.41	"	27.0	ND	71.7	36-108				
Dibenzofuran	17.2	5.41	"	27.0	ND	63.5	34-92				
Diethyl phthalate	17.9	5.41	"	27.0	ND	66.2	33-98				
Dimethyl phthalate	17.6	5.41	"	27.0	ND	65.2	18-116				
Di-n-butyl phthalate	18.9	5.41	"	27.0	ND	70.1	25-97				
Di-n-octyl phthalate	17.8	5.41	"	27.0	ND	65.8	10-137				
Hexachlorocyclopentadiene	16.1	10.8	"	27.0	ND	59.4	10-79				
Isophorone	18.2	5.41	"	27.0	ND	67.4	25-103				
N-nitroso-di-n-propylamine	17.5	5.41	"	27.0	ND	64.6	19-115				
N-Nitrosodiphenylamine	15.1	5.41	"	27.0	ND	55.9	31-112				
Phenol	6.70	5.41	"	27.0	ND	24.8	10-61				
Pyridine	5.71	5.41	"	27.6	ND	20.7	10-78				
Surrogate: SURR: 2-Fluorophenol	20.2		"	54.1		37.3	19.7-63.1				
Surrogate: SURR: Phenol-d5	13.0		"	54.1		24.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.4		"	27.0		71.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.9		"	27.0		66.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	44.6		"	54.1		82.4	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.4		"	27.0		79.2	30.7-106				



Semivolatile 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 BC22856 - EPA 3510C											
Matrix Spike Dup (BC22856-MSD1)	*Source sample: 22C1331-03 (Matrix Spike Dup)						Prepared: 03/24/2022 Analyzed: 03/25/2022				
1,1-Biphenyl	18.6	5.41	ug/L	27.0	ND	68.7	26-79		1.70	25	
1,2,4,5-Tetrachlorobenzene	16.7	5.41	"	27.0	ND	61.9	33-90		0.773	25	
1,2,4-Trichlorobenzene	15.5	5.41	"	27.0	ND	57.4	31-88		5.56	25	
1,2-Dichlorobenzene	15.5	5.41	"	27.0	ND	57.2	24-93		6.03	25	
1,2-Diphenylhydrazine (as Azobenzene)	17.7	5.41	"	27.0	ND	65.5	21-107		1.09	25	
1,3-Dichlorobenzene	15.1	5.41	"	27.0	ND	55.9	28-86		5.97	25	
1,4-Dichlorobenzene	15.3	5.41	"	27.0	ND	56.7	25-85		2.02	25	
2,3,4,6-Tetrachlorophenol	20.8	5.41	"	27.0	ND	77.1	30-130		6.59	25	
2,4,5-Trichlorophenol	17.9	5.41	"	27.0	ND	66.3	43-96		0.481	25	
2,4,6-Trichlorophenol	18.3	5.41	"	27.0	ND	67.8	46-94		1.01	25	
2,4-Dichlorophenol	18.3	5.41	"	27.0	ND	67.7	26-101		3.20	25	
2,4-Dimethylphenol	17.4	5.41	"	27.0	ND	64.4	10-104		6.78	25	
2,4-Dinitrophenol	34.3	5.41	"	27.0	ND	127	10-146		12.2	25	
2,4-Dinitrotoluene	19.8	5.41	"	27.0	ND	73.2	30-108		3.62	25	
2,6-Dinitrotoluene	20.1	5.41	"	27.0	ND	74.2	38-98		1.68	25	
2-Chloronaphthalene	16.5	5.41	"	27.0	ND	61.0	30-89		0.588	25	
2-Chlorophenol	16.3	5.41	"	27.0	ND	60.2	24-98		5.49	25	
2-Methylnaphthalene	17.2	5.41	"	27.0	ND	63.6	10-112		4.19	25	
2-Methylphenol	14.6	5.41	"	27.0	ND	54.2	10-134		0.589	25	
2-Nitroaniline	19.0	5.41	"	27.0	ND	70.2	25-110		0.511	25	
2-Nitrophenol	19.3	5.41	"	27.0	ND	71.4	10-139		1.22	25	
3- & 4-Methylphenols	11.5	5.41	"	27.0	ND	42.6	10-91		5.66	25	
3,3-Dichlorobenzidine	ND	5.41	"	27.0	ND		10-140	Low Bias		25	
3-Nitroaniline	12.5	5.41	"	27.0	ND	46.1	22-111		8.69	25	
4,6-Dinitro-2-methylphenol	28.4	5.41	"	27.0	ND	105	10-140		10.0	25	
4-Bromophenyl phenyl ether	17.2	5.41	"	27.0	ND	63.8	30-108		0.251	25	
4-Chloro-3-methylphenol	18.6	5.41	"	27.0	ND	68.6	11-109		4.50	25	
4-Chloroaniline	10.2	5.41	"	27.0	ND	37.7	10-116		4.22	25	
4-Chlorophenyl phenyl ether	16.4	5.41	"	27.0	ND	60.7	39-85		2.60	25	
4-Nitroaniline	14.0	5.41	"	27.0	ND	52.0	11-132		3.70	25	
4-Nitrophenol	9.95	5.41	"	27.0	ND	36.8	10-82		4.88	25	
Acetophenone	18.3	5.41	"	27.0	ND	67.7	14-102		4.00	25	
Aniline	8.74	5.41	"	27.0	ND	32.3	10-80		14.8	25	
Benzaldehyde	16.3	5.41	"	27.0	ND	60.2	13-87		5.37	25	
Benzoic acid	10.2	5.41	"	27.0	ND	37.8	10-162		6.78	25	
Benzyl alcohol	11.9	5.41	"	27.0	ND	43.9	10-102		1.54	25	
Benzyl butyl phthalate	22.7	5.41	"	27.0	ND	83.9	10-133		0.760	25	
Bis(2-chloroethoxy)methane	16.3	5.41	"	27.0	ND	60.2	18-105		3.27	25	
Bis(2-chloroethyl)ether	17.1	5.41	"	27.0	ND	63.2	10-108		7.49	25	
Bis(2-chloroisopropyl)ether	14.9	5.41	"	27.0	ND	55.2	13-116		6.72	25	
Caprolactam	3.86	5.41	"	27.0	ND	14.3	10-75		1.11	25	
Carbazole	18.3	5.41	"	27.0	ND	67.8	36-108		5.56	25	
Dibenzofuran	16.8	5.41	"	27.0	ND	62.2	34-92		2.16	25	
Diethyl phthalate	17.8	5.41	"	27.0	ND	65.8	33-98		0.545	25	
Dimethyl phthalate	17.1	5.41	"	27.0	ND	63.4	18-116		2.74	25	
Di-n-butyl phthalate	18.5	5.41	"	27.0	ND	68.6	25-97		2.19	25	
Di-n-octyl phthalate	17.1	5.41	"	27.0	ND	63.3	10-137		3.90	25	
Hexachlorocyclopentadiene	16.0	10.8	"	27.0	ND	59.2	10-79		0.405	25	
Isophorone	17.4	5.41	"	27.0	ND	64.2	25-103		4.74	25	
N-nitroso-di-n-propylamine	16.2	5.41	"	27.0	ND	60.1	19-115		7.18	25	
N-Nitrosodiphenylamine	14.9	5.41	"	27.0	ND	55.2	31-112		1.22	25	



Semivolatile 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 BC22856 - EPA 3510C

Matrix Spike Dup (BC22856-MSD1)		*Source sample: 22C1331-03 (Matrix Spike Dup)						Prepared: 03/24/2022 Analyzed: 03/25/2022			
Phenol	6.08	5.41	ug/L	27.0	ND	22.5	10-61		9.81	25	
Pyridine	6.24	5.41	"	27.6	ND	22.6	10-78		8.87	25	
Surrogate: SURR: 2-Fluorophenol	18.7		"	54.1		34.5	19.7-63.1				
Surrogate: SURR: Phenol-d5	11.8		"	54.1		21.9	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.2		"	27.0		67.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.0		"	27.0		63.0	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	41.9		"	54.1		77.5	39.3-151				
Surrogate: SURR: Terphenyl-d14	20.7		"	27.0		76.6	30.7-106				

Batch BC22978 - EPA 3550C

Blank (BC22978-BLK1)		Prepared: 03/27/2022 Analyzed: 03/30/2022									
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								



Semivolatile 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 BC22978 - EPA 3550C

Blank (BC22978-BLK1)

Prepared: 03/27/2022 Analyzed: 03/30/2022

Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	0.941		"	1.66		56.7	20-108				
Surrogate: SURR: Phenol-d5	0.929		"	1.66		55.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.471		"	0.831		56.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.511		"	0.831		61.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.14		"	1.66		68.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.511		"	0.831		61.5	24-116				



Semivolatile 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 BC22978 - EPA 3550C											
LCS (BC22978-BS1)						Prepared: 03/27/2022 Analyzed: 03/30/2022					
1,1-Biphenyl	0.389	0.0416	mg/kg wet	0.831		46.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.424	0.0830	"	0.831		51.0	21-131				
1,2,4-Trichlorobenzene	0.352	0.0416	"	0.831		42.4	10-140				
1,2-Dichlorobenzene	0.406	0.0416	"	0.831		48.9	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.319	0.0416	"	0.831		38.4	17-137				
1,3-Dichlorobenzene	0.360	0.0416	"	0.831		43.4	33-110				
1,4-Dichlorobenzene	0.406	0.0416	"	0.831		48.9	32-104				
2,3,4,6-Tetrachlorophenol	0.402	0.0830	"	0.831		48.4	30-130				
2,4,5-Trichlorophenol	0.375	0.0416	"	0.831		45.2	27-118				
2,4,6-Trichlorophenol	0.402	0.0416	"	0.831		48.4	31-120				
2,4-Dichlorophenol	0.435	0.0416	"	0.831		52.3	20-127				
2,4-Dimethylphenol	0.375	0.0416	"	0.831		45.2	14-132				
2,4-Dinitrophenol	0.434	0.0830	"	0.831		52.2	10-171				
2,4-Dinitrotoluene	0.500	0.0416	"	0.831		60.2	34-131				
2,6-Dinitrotoluene	0.473	0.0416	"	0.831		57.0	31-128				
2-Chloronaphthalene	0.416	0.0416	"	0.831		50.1	31-117				
2-Chlorophenol	0.365	0.0416	"	0.831		44.0	33-113				
2-Methylnaphthalene	0.434	0.0416	"	0.831		52.3	12-138				
2-Methylphenol	0.393	0.0416	"	0.831		47.3	10-136				
2-Nitroaniline	0.437	0.0830	"	0.831		52.6	27-132				
2-Nitrophenol	0.476	0.0416	"	0.831		57.3	17-129				
3- & 4-Methylphenols	0.358	0.0416	"	0.831		43.1	29-103				
3,3-Dichlorobenzidine	0.273	0.0416	"	0.831		32.9	22-149				
3-Nitroaniline	0.349	0.0830	"	0.831		42.0	20-133				
4,6-Dinitro-2-methylphenol	0.493	0.0830	"	0.831		59.3	10-143				
4-Bromophenyl phenyl ether	0.405	0.0416	"	0.831		48.8	29-120				
4-Chloro-3-methylphenol	0.383	0.0416	"	0.831		46.1	24-129				
4-Chloroaniline	0.253	0.0416	"	0.831		30.5	10-132				
4-Chlorophenyl phenyl ether	0.401	0.0416	"	0.831		48.2	27-124				
4-Nitroaniline	0.390	0.0830	"	0.831		47.0	16-128				
4-Nitrophenol	0.396	0.0830	"	0.831		47.7	10-141				
Acenaphthene	0.395	0.0416	"	0.831		47.5	30-121				
Acenaphthylene	0.386	0.0416	"	0.831		46.5	30-115				
Acetophenone	0.369	0.0416	"	0.831		44.5	20-112				
Aniline	0.370	0.166	"	0.831		44.5	10-119				
Anthracene	0.410	0.0416	"	0.831		49.4	34-118				
Atrazine	0.424	0.0416	"	0.831		51.0	26-112				
Benzaldehyde	0.376	0.0416	"	0.831		45.2	21-100				
Benzo(a)anthracene	0.412	0.0416	"	0.831		49.6	32-122				
Benzo(a)pyrene	0.415	0.0416	"	0.831		50.0	29-133				
Benzo(b)fluoranthene	0.453	0.0416	"	0.831		54.5	25-133				
Benzo(g,h,i)perylene	0.434	0.0416	"	0.831		52.2	10-143				
Benzo(k)fluoranthene	0.407	0.0416	"	0.831		49.0	25-128				
Benzoic acid	0.0651	0.0416	"	0.831		7.84	10-140	Low Bias			
Benzyl alcohol	0.357	0.0416	"	0.831		43.0	30-115				
Benzyl butyl phthalate	0.392	0.0416	"	0.831		47.2	26-126				
Bis(2-chloroethoxy)methane	0.358	0.0416	"	0.831		43.2	19-132				
Bis(2-chloroethyl)ether	0.344	0.0416	"	0.831		41.4	19-125				
Bis(2-chloroisopropyl)ether	0.348	0.0416	"	0.831		41.9	20-135				
Bis(2-ethylhexyl)phthalate	0.412	0.0416	"	0.831		49.6	10-155				
Caprolactam	0.400	0.0830	"	0.831		48.1	10-127				



Semivolatile 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 BC22978 - EPA 3550C

LCS (BC22978-BS1)

Prepared: 03/27/2022 Analyzed: 03/30/2022

Carbazole	0.365	0.0416	mg/kg wet	0.831		44.0	35-123				
Chrysene	0.381	0.0416	"	0.831		45.9	32-123				
Dibenzo(a,h)anthracene	0.481	0.0416	"	0.831		57.9	10-136				
Dibenzofuran	0.395	0.0416	"	0.831		47.6	29-121				
Diethyl phthalate	0.391	0.0416	"	0.831		47.1	34-116				
Dimethyl phthalate	0.411	0.0416	"	0.831		49.5	35-124				
Di-n-butyl phthalate	0.382	0.0416	"	0.831		46.0	31-116				
Di-n-octyl phthalate	0.458	0.0416	"	0.831		55.2	26-136				
Fluoranthene	0.386	0.0416	"	0.831		46.4	33-122				
Fluorene	0.376	0.0416	"	0.831		45.3	29-123				
Hexachlorobenzene	0.339	0.0416	"	0.831		40.8	21-124				
Hexachlorobutadiene	0.423	0.0416	"	0.831		50.9	10-149				
Hexachlorocyclopentadiene	0.423	0.0416	"	0.831		51.0	10-129				
Hexachloroethane	0.387	0.0416	"	0.831		46.6	28-108				
Indeno(1,2,3-cd)pyrene	0.441	0.0416	"	0.831		53.0	10-135				
Isophorone	0.391	0.0416	"	0.831		47.1	20-132				
Naphthalene	0.426	0.0416	"	0.831		51.3	23-124				
Nitrobenzene	0.359	0.0416	"	0.831		43.2	13-132				
N-Nitrosodimethylamine	0.868	0.0416	"	0.831		105	11-129				
N-nitroso-di-n-propylamine	0.349	0.0416	"	0.831		42.0	24-119				
N-Nitrosodiphenylamine	0.418	0.0416	"	0.831		50.4	22-152				
Pentachlorophenol	0.364	0.0416	"	0.831		43.8	10-139				
Phenanthrene	0.382	0.0416	"	0.831		46.0	33-123				
Phenol	0.376	0.0416	"	0.831		45.3	23-115				
Pyrene	0.380	0.0416	"	0.831		45.7	24-130				
Pyridine	0.753	0.166	"	0.831		90.7	10-91				
Surrogate: SURR: 2-Fluorophenol	0.797		"	1.66		48.0	20-108				
Surrogate: SURR: Phenol-d5	0.806		"	1.66		48.5	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.407		"	0.831		49.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.433		"	0.831		52.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.06		"	1.66		64.0	19-110				
Surrogate: SURR: Terphenyl-d14	0.454		"	0.831		54.7	24-116				



Metals by ICP - 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 BC22972 - EPA 3050B

Blank (BC22972-BLK1)

Prepared: 03/25/2022 Analyzed: 03/29/2022

Aluminum	ND	5.00	mg/kg wet
Antimony	ND	2.50	"
Arsenic	ND	1.50	"
Barium	ND	2.50	"
Beryllium	ND	0.050	"
Cadmium	ND	0.300	"
Calcium	ND	5.00	"
Chromium	ND	0.500	"
Cobalt	ND	0.400	"
Copper	ND	2.00	"
Iron	ND	25.0	"
Lead	ND	0.500	"
Magnesium	ND	5.00	"
Manganese	ND	0.500	"
Nickel	ND	1.00	"
Potassium	5.61	5.00	"
Selenium	ND	2.50	"
Silver	ND	0.500	"
Sodium	ND	50.0	"
Thallium	ND	2.50	"
Vanadium	ND	1.00	"
Zinc	ND	2.50	"

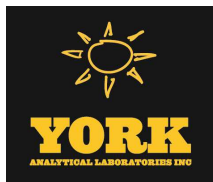
Duplicate (BC22972-DUP1)

*Source sample: 22C1382-10 (Duplicate)

Prepared: 03/25/2022 Analyzed: 03/29/2022

Aluminum	10200	5.76	mg/kg dry	11000	7.68	35
Antimony	4.17	2.88	"	4.38	4.81	35
Arsenic	ND	1.73	"	ND		35
Barium	67.0	2.88	"	73.1	8.65	35
Beryllium	ND	0.058	"	ND		35
Cadmium	ND	0.346	"	ND		35
Calcium	1860	5.76	"	1850	0.213	35
Chromium	56.2	0.576	"	62.3	10.4	35
Cobalt	13.9	0.461	"	15.1	8.19	35
Copper	32.3	2.30	"	32.7	1.44	35
Iron	20200	28.8	"	21500	6.31	35
Lead	29.8	0.576	"	32.0	7.02	35
Magnesium	5080	5.76	"	6970	31.4	35
Manganese	431	0.576	"	450	4.32	35
Nickel	136	1.15	"	158	15.4	35
Potassium	1570	5.76	"	1930	20.9	35
Selenium	ND	2.88	"	ND		35
Silver	ND	0.576	"	ND		35
Sodium	111	57.6	"	119	6.75	35
Thallium	ND	2.88	"	ND		35
Vanadium	31.2	1.15	"	32.6	4.40	35
Zinc	80.6	2.88	"	79.7	1.06	35





Metals by ICP - 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 BC22972 - EPA 3050B

Matrix Spike (BC22972-MS1)		*Source sample: 22C1382-10 (Matrix Spike)					Prepared: 03/25/2022 Analyzed: 03/29/2022				
Aluminum	14300	5.76	mg/kg dry	230	11000	NR	75-125	High Bias			
Antimony	17.1	2.88	"	28.8	4.38	44.3	75-125	Low Bias			
Arsenic	258	1.73	"	230	ND	112	75-125				
Barium	404	2.88	"	230	73.1	144	75-125	High Bias			
Beryllium	5.88	0.058	"	5.76	ND	102	75-125				
Cadmium	6.78	0.346	"	5.76	ND	118	75-125				
Calcium	1930	5.76	"	115	1850	67.2	75-125	Low Bias			
Chromium	98.1	0.576	"	23.0	62.3	155	75-125	High Bias			
Cobalt	90.3	0.461	"	57.6	15.1	131	75-125	High Bias			
Copper	79.2	2.30	"	28.8	32.7	162	75-125	High Bias			
Iron	33800	28.8	"	115	21500	NR	75-125	High Bias			
Lead	110	0.576	"	57.6	32.0	135	75-125	High Bias			
Magnesium	7490	5.76	"	115	6970	452	75-125	High Bias			
Manganese	779	0.576	"	57.6	450	571	75-125	High Bias			
Nickel	257	1.15	"	57.6	158	171	75-125	High Bias			
Potassium	3080	5.76	"	115	1930	995	75-125	High Bias			
Selenium	170	2.88	"	230	ND	73.7	75-125	Low Bias			
Silver	6.55	0.576	"	5.76	ND	114	75-125				
Sodium	279	57.6	"	115	119	139	75-125	High Bias			
Thallium	247	2.88	"	230	ND	107	75-125				
Vanadium	122	1.15	"	57.6	32.6	155	75-125	High Bias			
Zinc	175	2.88	"	57.6	79.7	165	75-125	High Bias			

Post Spike (BC22972-PS1)		*Source sample: 22C1382-10 (Post Spike)					Prepared: 03/25/2022 Analyzed: 03/29/2022				
Aluminum	105		ug/mL	2.00	95.9	432	75-125	High Bias			
Antimony	0.304		"	0.250	0.038	106	75-125				
Arsenic	2.00		"	2.00	0.014	99.1	75-125				
Barium	2.88		"	2.00	0.635	112	75-125				
Beryllium	0.048		"	0.0500	-0.004	95.9	75-125				
Cadmium	0.050		"	0.0500	-0.0003	101	75-125				
Calcium	17.9		"	1.00	16.1	182	75-125	High Bias			
Chromium	0.770		"	0.200	0.541	114	75-125				
Cobalt	0.672		"	0.500	0.131	108	75-125				
Copper	0.581		"	0.250	0.284	119	75-125				
Iron	196		"	1.00	187	952	75-125	High Bias			
Lead	0.820		"	0.500	0.278	108	75-125				
Magnesium	64.5		"	1.00	60.5	395	75-125	High Bias			
Manganese	4.75		"	0.500	3.91	167	75-125	High Bias			
Nickel	2.01		"	0.500	1.37	127	75-125	High Bias			
Potassium	18.5		"	1.00	16.8	174	75-125	High Bias			
Selenium	1.47		"	2.00	-0.180	73.3	75-125	Low Bias			
Silver	0.021		"	0.0500	0.001	38.9	75-125	Low Bias			
Sodium	2.05		"	1.00	1.03	102	75-125				
Thallium	1.91		"	2.00	-0.010	95.6	75-125				
Vanadium	0.833		"	0.500	0.283	110	75-125				
Zinc	1.24		"	0.500	0.692	110	75-125				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

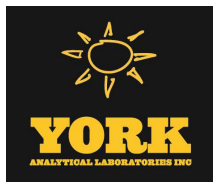
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC22972 - EPA 3050B

Reference (BC22972-SRM1)						Prepared: 03/25/2022 Analyzed: 03/29/2022					
Aluminum	9640	5.00	mg/kg wet	10100		95.5	39.5-118.8				
Antimony	78.6	2.50	"	244		32.2	10-123				
Arsenic	98.2	1.50	"	109		90.1	63.7-118.3				
Barium	380	2.50	"	364		104	70.3-117				
Beryllium	53.4	0.050	"	57.0		93.6	69.3-115.4				
Cadmium	43.2	0.300	"	48.7		88.7	67.8-112.9				
Calcium	4790	5.00	"	5190		92.3	66.3-116.6				
Chromium	165	0.500	"	173		95.6	65.3-120.8				
Cobalt	146	0.400	"	148		98.7	70.3-117.6				
Copper	194	2.00	"	179		109	70.9-117.9				
Iron	14300	25.0	"	15000		95.6	36.8-162.7				
Lead	99.3	0.500	"	101		98.3	69.1-126.7				
Magnesium	2360	5.00	"	2570		91.9	56.4-124.9				
Manganese	382	0.500	"	370		103	72.2-119.2				
Nickel	60.6	1.00	"	52.2		116	63.4-117.8				
Potassium	2350	5.00	"	2420		97.1	49.6-118.6				
Selenium	58.8	2.50	"	104		56.5	58.5-122.1	Low Bias			
Silver	27.6	0.500	"	29.9		92.3	63.5-123.7				
Sodium	156	50.0	"	161		97.1	30.1-139.1				
Thallium	86.2	2.50	"	101		85.3	59.8-120.8				
Vanadium	192	1.00	"	194		99.2	73.2-117				
Zinc	402	2.50	"	431		93.3	74.9-121.1				

Batch BC23008 - EPA 3015A

Blank (BC23008-BLK1)						Prepared: 03/28/2022 Analyzed: 03/29/2022					
Arsenic	ND	0.017	mg/L								
Barium	ND	0.028	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.006	"								
Lead	ND	0.006	"								
Selenium	ND	0.028	"								
Silver	ND	0.006	"								



Metals by ICP - 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 BC23008 - EPA 3015A

LCS (BC23008-BS1)

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

Arsenic	1.88		mg/L	2.00		93.9	80-120				
Barium	2.20		"	2.00		110	80-120				
Cadmium	0.050		"	0.0500		99.2	80-120				
Chromium	0.206		"	0.200		103	80-120				
Lead	0.539		"	0.500		108	80-120				
Selenium	1.57		"	2.00		78.4	80-120	Low Bias			
Silver	0.051		"	0.0500		103	80-120				

Duplicate (BC23008-DUP1)

*Source sample: 22C1331-03 (Duplicate)

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

Arsenic	0.022	0.017	mg/L		0.022				2.46	20	
Barium	0.250	0.028	"		0.282				11.7	20	
Cadmium	ND	0.003	"		ND					20	
Chromium	0.878	0.006	"		0.934				6.25	20	
Lead	0.008	0.006	"		0.011				31.6	20	Non-dir.
Selenium	0.290	0.028	"		0.280				3.48	20	
Silver	ND	0.006	"		ND					20	

Matrix Spike (BC23008-MS1)

*Source sample: 22C1331-03 (Matrix Spike)

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

Arsenic	2.23	0.017	mg/L	2.22	0.022	99.6	75-125				
Barium	2.64	0.028	"	2.22	0.282	106	75-125				
Cadmium	0.052	0.003	"	0.0556	ND	93.9	75-125				
Chromium	1.10	0.006	"	0.222	0.934	73.5	75-125	Low Bias			
Lead	0.564	0.006	"	0.556	0.011	99.6	75-125				
Selenium	2.11	0.028	"	2.22	0.280	82.4	75-125				
Silver	0.052	0.006	"	0.0556	ND	92.8	75-125				

Post Spike (BC23008-PS1)

*Source sample: 22C1331-03 (Post Spike)

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

Arsenic	2.23		mg/L	2.00	0.020	111	75-125				
Barium	2.57		"	2.00	0.253	116	75-125				
Cadmium	0.053		"	0.0500	0.0002	105	75-125				
Chromium	1.07		"	0.200	0.841	113	75-125				
Lead	0.571		"	0.500	0.010	112	75-125				
Selenium	2.10		"	2.00	0.252	92.4	75-125				
Silver	0.022		"	0.0500	0.001	42.8	75-125	Low Bias			



Metals by ICP/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 BC23005 - EPA 3015A

Blank (BC23005-BLK1)

Prepared & Analyzed: 03/28/2022

Arsenic - Dissolved	ND	1.11	ug/L
Barium - Dissolved	ND	1.11	"
Cadmium - Dissolved	ND	0.556	"
Chromium - Dissolved	ND	1.11	"
Lead - Dissolved	ND	1.11	"
Selenium - Dissolved	ND	1.11	"
Silver - Dissolved	ND	1.11	"

LCS (BC23005-BS1)

Prepared & Analyzed: 03/28/2022

Arsenic - Dissolved	0.050		ug/mL	0.0500	99.4	80-120
Barium - Dissolved	0.053		"	0.0500	106	80-120
Cadmium - Dissolved	0.048		"	0.0500	95.8	80-120
Chromium - Dissolved	0.049		"	0.0500	97.5	80-120
Lead - Dissolved	0.043		"	0.0500	85.9	80-120
Selenium - Dissolved	0.051		"	0.0500	102	80-120
Silver - Dissolved	0.087		"	0.0500	174	80-120 High Bias

Duplicate (BC23005-DUP1)

*Source sample: 22C1331-03 (Duplicate)

Prepared & Analyzed: 03/28/2022

Arsenic - Dissolved	ND	1.11	ug/L	ND		20
Barium - Dissolved	282	1.11	"	287	1.53	20
Cadmium - Dissolved	ND	0.556	"	ND		20
Chromium - Dissolved	816	1.11	"	826	1.15	20
Lead - Dissolved	1.56	1.11	"	1.51	3.26	20
Selenium - Dissolved	227	1.11	"	223	1.83	20
Silver - Dissolved	ND	1.11	"	ND		20

Matrix Spike (BC23005-MS1)

*Source sample: 22C1331-03 (Matrix Spike)

Prepared & Analyzed: 03/28/2022

Arsenic - Dissolved	0.054		ug/mL	0.0500	0.0006	107	75-125
Barium - Dissolved	0.307		"	0.0500	0.258	98.0	75-125
Cadmium - Dissolved	0.044		"	0.0500	0.0002	87.0	75-125
Chromium - Dissolved	0.775		"	0.0500	0.743	63.9	75-125 Low Bias
Lead - Dissolved	0.040		"	0.0500	0.001	77.6	75-125
Selenium - Dissolved	0.256		"	0.0500	0.200	110	75-125
Silver - Dissolved	0.079		"	0.0500	0.000004	157	75-125 High Bias



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

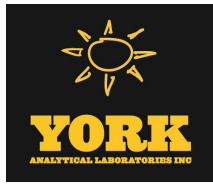
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC22804 - EPA SW846-7470A											
Blank (BC22804-BLK1)								Prepared & Analyzed: 03/23/2022			
Mercury	ND	0.0002	mg/L								
LCS (BC22804-BS1)								Prepared & Analyzed: 03/23/2022			
Mercury	0.0020487	0.0002	mg/L	0.00200		102	80-120				
LCS (BC22804-BS2)								Prepared & Analyzed: 03/23/2022			
Mercury	0.0019973	0.0002	mg/L	0.00200		99.9	80-120				
Batch BC22805 - EPA SW846-7470A											
Blank (BC22805-BLK1)								Prepared & Analyzed: 03/23/2022			
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BC22805-BS1)								Prepared & Analyzed: 03/23/2022			
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		101	80-120				
LCS (BC22805-BS2)								Prepared & Analyzed: 03/23/2022			
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		105	80-120				
Batch BC22901 - EPA SW846-7470A											
Blank (BC22901-BLK1)								Prepared & Analyzed: 03/24/2022			
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BC22901-BS1)								Prepared & Analyzed: 03/24/2022			
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		103	80-120				



Mercury by EPA 7000/200 Series Methods - 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 BC22901 - EPA SW846-7470A											
LCS (BC22901-BS2)							Prepared & Analyzed: 03/24/2022				
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		100	80-120				
Batch BC23033 - EPA 7473 soil											
Blank (BC23033-BLK1)							Prepared & Analyzed: 03/28/2022				
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC23033-DUP1)							Prepared & Analyzed: 03/28/2022				
Mercury	0.107	0.0337	mg/kg dry		0.101				5.75	35	
Matrix Spike (BC23033-MS1)							Prepared & Analyzed: 03/28/2022				
Mercury	0.543		mg/kg	0.500	0.0896	90.6	75-125				
Reference (BC23033-SRM1)							Prepared & Analyzed: 03/28/2022				
Mercury	17.764		mg/kg	27.2		65.3	59.9-140.1				



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 BC23065 - % Solids Prep

Duplicate (BC23065-DUP1)		*Source sample: 22C1289-01 (Duplicate)					Prepared: 03/28/2022 Analyzed: 03/29/2022		
% Solids	94.5	0.100	%		95.4			0.963	20
Duplicate (BC23065-DUP2)		*Source sample: 22C1289-08 (Duplicate)					Prepared: 03/28/2022 Analyzed: 03/29/2022		
% Solids	87.2	0.100	%		87.5			0.422	20

Batch BC23148 - % Solids Prep

Duplicate (BC23148-DUP1)		*Source sample: 22C1312-10 (Duplicate)					Prepared & Analyzed: 03/29/2022		
% Solids	94.8	0.100	%		94.4			0.400	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C1308-01	GW001	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1308-02	SB008_5-7	40mL Vial with Stir Bar-Cool 4° C
22C1308-03	SB008_9	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
22C1308-04	GW005	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1308-05	SB011_0-2	40mL Vial with Stir Bar-Cool 4° C
22C1308-06	GW006	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
22C1308-07	SB012_5-7	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
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.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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.



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.

22C 1308

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		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: PWGC	Company:	Company:	Company:	6162201		YOUR Project Name		RUSH - Next Day	
Address: 630 Johnson Ave Bohemia, NY 11716	Address:	Address:	Address:					RUSH - Two Day	
Phone: 631-589-6353	Phone:	Phone:	Phone:					RUSH - Three Day	
Contact: Derek Erickson	Contact:	Contact:	Contact:					RUSH - Four Day	
E-mail: derek@pwgc.com	E-mail:	E-mail:	E-mail:			YOUR PO#:		Standard (5-7 Day)	X

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.

Michael Pecora SC
Michael Pecora

Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)		YORK Reg. Comp.
S - soil / solid	New York	☒ Summary Report	CT RCP	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	☐ QA Report	CT RCP DQA/DUE	
DW - drinking water	Connecticut	☐ NY ASP A Package	NJDEP Reduced	
WW - wastewater	Pennsylvania	☒ NY ASP B Package	Deliverables	
O - Oil Other	Other:	NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
GW001	GW	3/23/22 0725	VOCs, TCL	3 40-ML HC1
SB008-5-7	S	0750	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 9 oz glass
SB008-5-7 SB008-9	↓	0815	TCL VOCs	↓
GW005	GW	0950	TCL VOCs, TCL SVOCs, REVEA Metals (total, diss)	3 40-ML HNO3, Imp, 3-IL
SB011-0-2	S	1115	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 9 oz glass
GW006	GW	1140	↓ RCB & Metals (total, diss)	3 40-ML HNO3, Imp, 3-IL
SB012-5-7	S	1225	↓ TAL Metals	Terracore, 9 oz glass
AMC				

Comments:

GW005 - limited volume obtained from source
Lab to Filter

Samples iced/chilled at time of lab pickup? circle Yes or No

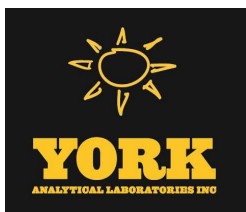
Preservation: (check all that apply)

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

Special Instruction

Field Filtered
Lab to Filter

Samples Relinquished by / Company Michael Pecora PWGC	Date/Time 3/23/22 1515	1. Samples Received by / Company Andrew S. York	Date/Time 3/23/22 3:15	2. Samples Relinquished by / Company Andrew S. York	Date/Time 3/23/22 1816
Samples Received by / Company Ivan B	Date/Time 3/23/22 1816	3. Samples Relinquished by / Company Ivan B	Date/Time 3/23/22 2107	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 K Blanton	Date/Time 3/23/22 2107
				Temperature 1.3 Degrees C	



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Ave, Suite 7

Bohemia NY, 11716

Attention: Derek Ersbak

Report Date: 03/31/2022

Client Project ID: LIG2201

York Project (SDG) No.: 22C1396



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: 03/31/2022
Client Project ID: LIG2201
York Project (SDG) No.: 22C1396

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

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 24, 2022 and listed below. The project was identified as your project: **LIG2201**.

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>
22C1396-01	SB013_0-2	Soil	03/24/2022	03/24/2022
22C1396-02	SB014_0-2	Soil	03/24/2022	03/24/2022
22C1396-03	GW007	Water	03/24/2022	03/24/2022

General Notes for York Project (SDG) No.: 22C1396

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: 03/31/2022





Sample Information

Client Sample ID: SB013_0-2

York Sample ID: 22C1396-01

York Project (SDG) No.

22C1396

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 24, 2022 9:10 am

Date Received

03/24/2022

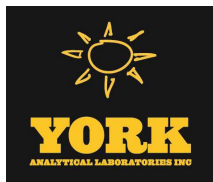
Volatiles, 8260 Comprehensive

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:09	03/26/2022 00:47	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:09	03/26/2022 00:47	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC



Sample Information

Client Sample ID: SB013_0-2

York Sample ID: 22C1396-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1396

LIG2201

Soil

March 24, 2022 9:10 am

03/24/2022

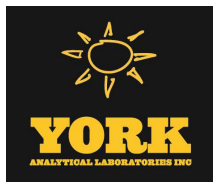
Volatiles, 8260 Comprehensive

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	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:09	03/26/2022 00:47	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC



Sample Information

Client Sample ID: SB013_0-2

York Sample ID: 22C1396-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1396

LIG2201

Soil

March 24, 2022 9:10 am

03/24/2022

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-09-2	Methylene chloride	0.027		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC



Sample Information

Client Sample ID: SB013_0-2

York Sample ID: 22C1396-01

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Soil

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March 24, 2022 9:10 am

Date Received
03/24/2022

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 00:47	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:09	03/26/2022 00:47	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	95.1 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.9 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH



Sample Information

Client Sample ID: SB013_0-2

York Sample ID: 22C1396-01

York Project (SDG) No.
22C1396

Client Project ID
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March 24, 2022 9:10 am

Date Received
03/24/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH



Sample Information

Client Sample ID: SB013_0-2

York Sample ID: 22C1396-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1396

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Soil

March 24, 2022 9:10 am

03/24/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
62-53-3	Aniline	ND		mg/kg dry	0.190	0.379	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH



Sample Information

Client Sample ID: SB013_0-2

York Sample ID: 22C1396-01

York Project (SDG) No.
22C1396

Client Project ID
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March 24, 2022 9:10 am

Date Received
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0947	0.189	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH



Sample Information

Client Sample ID: SB013_0-2

York Sample ID: 22C1396-01

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 24, 2022 9:10 am

Date Received
03/24/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
108-95-2	Phenol	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0475	0.0947	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.379	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 21:40	KH
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.4 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	51.3 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	54.4 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.5 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	71.5 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	68.2 %		24-116							

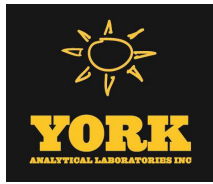
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9880		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-36-0	Antimony	4.01		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-38-2	Arsenic	2.17		mg/kg dry	1.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-39-3	Barium	71.5		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.350	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-70-2	Calcium	1330		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-47-3	Chromium	16.0		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-48-4	Cobalt	4.97		mg/kg dry	0.466	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-50-8	Copper	5.36		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT



Sample Information

Client Sample ID: SB013_0-2

York Sample ID: 22C1396-01

York Project (SDG) No.

22C1396

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 24, 2022 9:10 am

Date Received

03/24/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	13800		mg/kg dry	29.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7439-92-1	Lead	35.9		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7439-95-4	Magnesium	1490		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7439-96-5	Manganese	77.5		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-02-0	Nickel	10.9		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-09-7	Potassium	531	B	mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7782-49-2	Selenium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-22-4	Silver	ND		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-23-5	Sodium	275		mg/kg dry	58.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-28-0	Thallium	ND		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-62-2	Vanadium	23.2		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT
7440-66-6	Zinc	21.1		mg/kg dry	2.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:51	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0350	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/28/2022 20:48	03/29/2022 18:51	BR

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	85.8		%	0.100	1	SM 2540G Certifications: CTDOH	03/30/2022 20:02	03/31/2022 08:53	TJA



Sample Information

Client Sample ID: SB014_0-2

York Sample ID: 22C1396-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1396

LIG2201

Soil

March 24, 2022 10:10 am

03/24/2022

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:09	03/26/2022 01:14	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
563-58-6	1,1-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:09	03/26/2022 01:14	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
142-28-9	1,3-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC



Sample Information

Client Sample ID: SB014_0-2

York Sample ID: 22C1396-02

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 24, 2022 10:10 am

Date Received
03/24/2022

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	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
594-20-7	2,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:09	03/26/2022 01:14	BMC
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
95-49-8	2-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
106-43-4	4-Chlorotoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
108-86-1	Bromobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC



Sample Information

Client Sample ID: SB014_0-2

York Sample ID: 22C1396-02

York Project (SDG) No.

22C1396

Client Project ID

LIG2201

Matrix

Soil

Collection Date/Time

March 24, 2022 10:10 am

Date Received

03/24/2022

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-09-2	Methylene chloride	0.025		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC



Sample Information

Client Sample ID: SB014_0-2

York Sample ID: 22C1396-02

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 24, 2022 10:10 am

Date Received
03/24/2022

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	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
108-05-4	Vinyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2022 06:09	03/26/2022 01:14	BMC
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2022 06:09	03/26/2022 01:14	BMC
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	96.0 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.1 %	76-130								

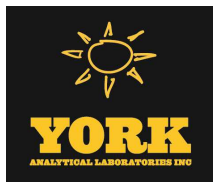
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH



Sample Information

Client Sample ID: SB014_0-2

York Sample ID: 22C1396-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1396

LIG2201

Soil

March 24, 2022 10:10 am

03/24/2022

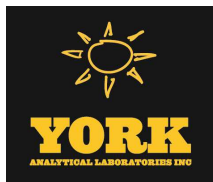
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH



Sample Information

Client Sample ID: SB014_0-2

York Sample ID: 22C1396-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1396

LIG2201

Soil

March 24, 2022 10:10 am

03/24/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
62-53-3	Aniline	ND		mg/kg dry	0.187	0.375	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.375	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH



Sample Information

Client Sample ID: SB014_0-2

York Sample ID: 22C1396-02

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 24, 2022 10:10 am

Date Received
03/24/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-60-2	Caprolactam	ND		mg/kg dry	0.0936	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
86-73-7	Fluorene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH



Sample Information

Client Sample ID: SB014_0-2

York Sample ID: 22C1396-02

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 24, 2022 10:10 am

Date Received
03/24/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
108-95-2	Phenol	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0469	0.0936	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.375	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 07:58	03/29/2022 22:10	KH
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	62.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	59.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.3 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	79.3 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	71.5 %	24-116								

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	19200		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-36-0	Antimony	8.00		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-38-2	Arsenic	1.84		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-39-3	Barium	125		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-43-9	Cadmium	ND		mg/kg dry	0.341	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-70-2	Calcium	1580		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-47-3	Chromium	31.3		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-48-4	Cobalt	13.0		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-50-8	Copper	28.5		mg/kg dry	2.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT



Sample Information

Client Sample ID: SB014_0-2

York Sample ID: 22C1396-02

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Soil

Collection Date/Time
March 24, 2022 10:10 am

Date Received
03/24/2022

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	23500		mg/kg dry	28.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7439-92-1	Lead	9.70		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7439-95-4	Magnesium	6220		mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7439-96-5	Manganese	593		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-02-0	Nickel	26.9		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-09-7	Potassium	4130	B	mg/kg dry	5.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-22-4	Silver	ND		mg/kg dry	0.568	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-23-5	Sodium	519		mg/kg dry	56.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-62-2	Vanadium	40.0		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT
7440-66-6	Zinc	40.7		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/29/2022 19:05	03/30/2022 19:54	KT

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0800		mg/kg dry	0.0341	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/29/2022 15:29	03/29/2022 17:36	S_G

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	88.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/30/2022 20:02	03/31/2022 08:53	TJA



Sample Information

Client Sample ID: GW007

York Sample ID: 22C1396-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1396

LIG2201

Water

March 24, 2022 9:15 am

03/24/2022

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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
95-63-6	1,2,4-Trimethylbenzene	1.23		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
108-67-8	1,3,5-Trimethylbenzene	0.410	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG



Sample Information

Client Sample ID: GW007

York Sample ID: 22C1396-03

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 24, 2022 9:15 am

Date Received
03/24/2022

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	2.08	Cal-E	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
591-78-6	2-Hexanone	0.350	Cal-E, J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
67-64-1	Acetone	6.70		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
75-15-0	Carbon disulfide	0.310	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
156-59-2	cis-1,2-Dichloroethylene	1.18		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG



Sample Information

Client Sample ID: GW007

York Sample ID: 22C1396-03

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 24, 2022 9:15 am

Date Received
03/24/2022

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	03/28/2022 06:10	03/28/2022 23:05	JTG
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
75-09-2	Methylene chloride	2.43		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
91-20-3	Naphthalene	7.30	CCV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
104-51-8	n-Butylbenzene	0.300	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
105-05-5	* p-Diethylbenzene	0.810		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/28/2022 06:10	03/28/2022 23:05	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/28/2022 06:10	03/28/2022 23:05	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
127-18-4	Tetrachloroethylene	179		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 22:38	JTG
108-88-3	Toluene	0.200	J	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG



Sample Information

Client Sample ID: GW007

York Sample ID: 22C1396-03

York Project (SDG) No.
22C1396

Client Project ID
LIG2201

Matrix
Water

Collection Date/Time
March 24, 2022 9:15 am

Date Received
03/24/2022

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	03/28/2022 06:10	03/28/2022 23:05	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	03/28/2022 06:10	03/28/2022 23:05	JTG
79-01-6	Trichloroethylene	18.1		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/28/2022 06:10	03/28/2022 23:05	JTG
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/28/2022 06:10	03/28/2022 23:05	JTG
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	97.6 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.5 %	79-122								

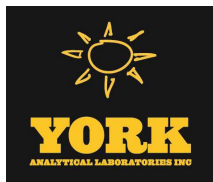
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH



Sample Information

Client Sample ID: GW007

York Sample ID: 22C1396-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1396

LIG2201

Water

March 24, 2022 9:15 am

03/24/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
91-57-6	2-Methylnaphthalene	10.9		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
95-48-7	2-Methylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.88	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
98-86-2	Acetophenone	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH



Sample Information

Client Sample ID: GW007

York Sample ID: 22C1396-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1396

LIG2201

Water

March 24, 2022 9:15 am

03/24/2022

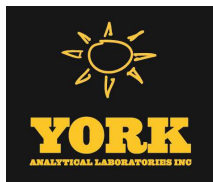
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-53-3	Aniline	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
100-52-7	Benzaldehyde	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
92-87-5	Benzidine	ND		ug/L	5.88	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
65-85-0	Benzoic acid	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.18	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
105-60-2	Caprolactam	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
86-74-8	Carbazole	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
132-64-9	Dibenzofuran	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.88	11.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
78-59-1	Isophorone	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
108-95-2	Phenol	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH
110-86-1	Pyridine	ND		ug/L	2.94	5.88	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/28/2022 22:09	KH



Sample Information

Client Sample ID: GW007

York Sample ID: 22C1396-03

York Project (SDG) No.

22C1396

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 24, 2022 9:15 am

Date Received

03/24/2022

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	38.1 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	23.9 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	81.6 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	80.5 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	95.1 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.2 %			30.7-106						

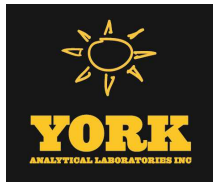
Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.600		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
208-96-8	Acenaphthylene	0.176		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
120-12-7	Anthracene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
1912-24-9	Atrazine	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/28/2022 08:32	03/29/2022 17:18	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
117-81-7	Bis(2-ethylhexyl)phthalate	0.776	B	ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/28/2022 08:32	03/29/2022 17:18	KH
218-01-9	Chrysene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
206-44-0	Fluoranthene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
86-73-7	Fluorene	0.953		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0235	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/28/2022 08:32	03/29/2022 17:18	KH



Sample Information

Client Sample ID: GW007

York Sample ID: 22C1396-03

York Project (SDG) No.

22C1396

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 24, 2022 9:15 am

Date Received

03/24/2022

Semi-Volatiles, 8270 (SIM)

Log-in Notes:

Sample Notes: EXT-D

Sample Prepared by Method: EPA 3510C

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/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/28/2022 08:32	03/29/2022 17:18	KH
67-72-1	Hexachloroethane	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/28/2022 08:32	03/29/2022 17:18	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
91-20-3	Naphthalene	3.76		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
98-95-3	Nitrobenzene	ND		ug/L	0.294	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/28/2022 08:32	03/29/2022 17:18	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/28/2022 08:32	03/29/2022 17:18	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.294	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/28/2022 08:32	03/29/2022 17:18	KH
85-01-8	Phenanthrene	1.32		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH
129-00-0	Pyrene	ND		ug/L	0.0588	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 08:32	03/29/2022 17:18	KH

Metals, RCRA

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:54	KT
7440-39-3	Barium	2.17		mg/L	0.028	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:54	KT
7440-43-9	Cadmium	0.007		mg/L	0.003	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:54	KT
7440-47-3	Chromium	0.539		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:54	KT
7439-92-1	Lead	0.704		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:54	KT
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D Certifications: CTDOH	03/28/2022 10:09	03/29/2022 15:54	KT
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:09	03/29/2022 15:54	KT

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

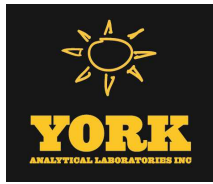
RICHMOND HILL, NY 11418

www.YORKLAB.com

(203) 325-1371

FAX (203) 357-0166

ClientServices@



Sample Information

Client Sample ID: GW007

York Sample ID: 22C1396-03

York Project (SDG) No.

22C1396

Client Project ID

LIG2201

Matrix

Water

Collection Date/Time

March 24, 2022 9:15 am

Date Received

03/24/2022

Metals, RCRA (no Hg) by 6020, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	4.47		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:53	RTH
7440-39-3	Barium	178		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:53	RTH
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:53	RTH
7440-47-3	Chromium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:53	RTH
7439-92-1	Lead	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:53	RTH
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:53	RTH
7440-22-4	Silver	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/28/2022 10:07	03/28/2022 17:53	RTH

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 21:16	03/24/2022 21:16	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2022 21:27	03/24/2022 21:27	AA



Analytical Batch Summary

Batch ID: BC22899 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-03	GW007	03/24/22
BC22899-BLK1	Blank	03/24/22
BC22899-BS1	LCS	03/24/22
BC22899-BS2	LCS	03/24/22

Batch ID: BC22901 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-03	GW007	03/24/22
BC22901-BLK1	Blank	03/24/22
BC22901-BS1	LCS	03/24/22
BC22901-BS2	LCS	03/24/22

Batch ID: BC22944 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-01	SB013_0-2	03/25/22
22C1396-02	SB014_0-2	03/25/22
BC22944-BLK1	Blank	03/25/22
BC22944-BLK2	Blank	03/25/22
BC22944-BS1	LCS	03/25/22
BC22944-BSD1	LCS Dup	03/25/22

Batch ID: BC22990 **Preparation Method:** EPA 3510C **Prepared By:** KNL

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-03	GW007	03/28/22
BC22990-BLK1	Blank	03/28/22
BC22990-BLK2	Blank	03/28/22
BC22990-BS1	LCS	03/28/22
BC22990-BS2	LCS	03/28/22
BC22990-BSD1	LCS Dup	03/28/22

Batch ID: BC23005 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-03	GW007	03/28/22
BC23005-BLK1	Blank	03/28/22
BC23005-BS1	LCS	03/28/22
BC23005-DUP1	Duplicate	03/28/22
BC23005-MS1	Matrix Spike	03/28/22

**Batch ID:** BC23008**Preparation Method:** EPA 3015A**Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-03	GW007	03/28/22
BC23008-BLK1	Blank	03/28/22
BC23008-BS1	LCS	03/28/22
BC23008-DUP1	Duplicate	03/28/22
BC23008-MS1	Matrix Spike	03/28/22
BC23008-PS1	Post Spike	03/28/22

Batch ID: BC23058**Preparation Method:** EPA 5030B**Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-03	GW007	03/28/22
22C1396-03RE1	GW007	03/28/22
BC23058-BLK1	Blank	03/28/22
BC23058-BS1	LCS	03/28/22
BC23058-BSD1	LCS Dup	03/28/22

Batch ID: BC23079**Preparation Method:** EPA 7473 soil**Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-01	SB013_0-2	03/28/22
BC23079-BLK1	Blank	03/28/22
BC23079-DUP1	Duplicate	03/28/22
BC23079-MS1	Matrix Spike	03/28/22
BC23079-SRM1	Reference	03/28/22

Batch ID: BC23088**Preparation Method:** EPA 3546 SVOA**Prepared By:** NN

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-01	SB013_0-2	03/29/22
22C1396-02	SB014_0-2	03/29/22
BC23088-BLK1	Blank	03/29/22
BC23088-BS1	LCS	03/29/22
BC23088-MS1	Matrix Spike	03/29/22
BC23088-MSD1	Matrix Spike Dup	03/29/22

Batch ID: BC23144**Preparation Method:** EPA 7473 soil**Prepared By:** S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-02	SB014_0-2	03/29/22
BC23144-BLK1	Blank	03/29/22
BC23144-DUP1	Duplicate	03/29/22
BC23144-MS1	Matrix Spike	03/29/22
BC23144-SRM1	Reference	03/29/22



Batch ID: BC23164

Preparation Method: EPA 3050B

Prepared By: S_G

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-01	SB013_0-2	03/29/22
22C1396-02	SB014_0-2	03/29/22
BC23164-BLK1	Blank	03/29/22
BC23164-DUP1	Duplicate	03/29/22
BC23164-MS1	Matrix Spike	03/29/22
BC23164-PS1	Post Spike	03/29/22
BC23164-SRM1	Reference	03/29/22

Batch ID: BC23246

Preparation Method: % Solids Prep

Prepared By: MEW

YORK Sample ID	Client Sample ID	Preparation Date
22C1396-01	SB013_0-2	03/30/22
22C1396-02	SB014_0-2	03/30/22
BC23246-DUP1	Duplicate	03/30/22



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 BC22944 - EPA 5035A

Blank (BC22944-BLK1)

Prepared & Analyzed: 03/25/2022

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 BC22944 - EPA 5035A

Blank (BC22944-BLK1)

Prepared & Analyzed: 03/25/2022

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	53.0	ug/L	50.0	106	77-125
Surrogate: SURR: Toluene-d8	47.6	"	50.0	95.1	85-120
Surrogate: SURR: p-Bromofluorobenzene	47.1	"	50.0	94.2	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 BC22944 - EPA 5035A

Blank (BC22944-BLK2)

Prepared & Analyzed: 03/25/2022

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 BC22944 - EPA 5035A

Blank (BC22944-BLK2)

Prepared & Analyzed: 03/25/2022

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

52.3

ug/L

50.0

105

77-125

Surrogate: SURR: Toluene-d8

48.2

"

50.0

96.4

85-120

Surrogate: SURR: p-Bromofluorobenzene

47.6

"

50.0

95.3

76-130

LCS (BC22944-BS1)

Prepared & Analyzed: 03/25/2022

1,1,1,2-Tetrachloroethane	57.6	ug/L	50.0	115	75-129
1,1,1-Trichloroethane	58.1	"	50.0	116	71-137
1,1,2,2-Tetrachloroethane	54.3	"	50.0	109	79-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	69.6	"	50.0	139	58-146
1,1,2-Trichloroethane	55.8	"	50.0	112	83-123
1,1-Dichloroethane	57.2	"	50.0	114	75-130
1,1-Dichloroethylene	73.4	"	50.0	147	64-137
1,1-Dichloropropylene	53.6	"	50.0	107	77-127
1,2,3-Trichlorobenzene	54.6	"	50.0	109	81-140
1,2,3-Trichloropropane	54.1	"	50.0	108	81-126
1,2,4-Trichlorobenzene	54.2	"	50.0	108	80-141
1,2,4-Trimethylbenzene	52.3	"	50.0	105	84-125
1,2-Dibromo-3-chloropropane	55.5	"	50.0	111	74-142
1,2-Dibromoethane	58.3	"	50.0	117	86-123
1,2-Dichlorobenzene	54.3	"	50.0	109	85-122
1,2-Dichloroethane	58.5	"	50.0	117	71-133
1,2-Dichloropropane	56.4	"	50.0	113	81-122
1,3,5-Trimethylbenzene	51.8	"	50.0	104	82-126
1,3-Dichlorobenzene	53.1	"	50.0	106	84-124
1,3-Dichloropropane	55.2	"	50.0	110	83-123
1,4-Dichlorobenzene	53.6	"	50.0	107	84-124
1,4-Dioxane	1120	"	1050	107	10-228
2,2-Dichloropropane	66.4	"	50.0	133	67-136

High Bias





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 BC22944 - EPA 5035A											
LCS (BC22944-BS1)						Prepared & Analyzed: 03/25/2022					
2-Butanone	59.2		ug/L	50.0		118	58-147				
2-Chlorotoluene	52.6		"	50.0		105	78-127				
2-Hexanone	52.4		"	50.0		105	70-139				
4-Chlorotoluene	56.1		"	50.0		112	79-125				
4-Methyl-2-pentanone	53.0		"	50.0		106	72-132				
Acetone	43.8		"	50.0		87.5	36-155				
Acrolein	54.8		"	50.0		110	10-238				
Acrylonitrile	54.0		"	50.0		108	66-141				
Benzene	57.8		"	50.0		116	77-127				
Bromobenzene	51.4		"	50.0		103	77-129				
Bromochloromethane	59.0		"	50.0		118	74-129				
Bromodichloromethane	58.4		"	50.0		117	81-124				
Bromoform	62.9		"	50.0		126	80-136				
Bromomethane	52.0		"	50.0		104	32-177				
Carbon disulfide	59.1		"	50.0		118	10-136				
Carbon tetrachloride	60.8		"	50.0		122	66-143				
Chlorobenzene	57.4		"	50.0		115	86-120				
Chloroethane	60.0		"	50.0		120	51-142				
Chloroform	58.4		"	50.0		117	76-131				
Chloromethane	52.0		"	50.0		104	49-132				
cis-1,2-Dichloroethylene	57.1		"	50.0		114	74-132				
cis-1,3-Dichloropropylene	58.7		"	50.0		117	81-129				
Cyclohexane	50.7		"	50.0		101	70-130				
Dibromochloromethane	61.3		"	50.0		123	10-200				
Dibromomethane	56.0		"	50.0		112	83-124				
Dichlorodifluoromethane	60.4		"	50.0		121	28-158				
Ethyl Benzene	54.8		"	50.0		110	84-125				
Hexachlorobutadiene	52.5		"	50.0		105	83-133				
Isopropylbenzene	53.6		"	50.0		107	81-127				
Methyl acetate	47.4		"	50.0		94.9	41-143				
Methyl tert-butyl ether (MTBE)	59.2		"	50.0		118	74-131				
Methylcyclohexane	50.5		"	50.0		101	70-130				
Methylene chloride	55.2		"	50.0		110	57-141				
n-Butylbenzene	50.3		"	50.0		101	80-130				
n-Propylbenzene	51.8		"	50.0		104	74-136				
o-Xylene	56.4		"	50.0		113	83-123				
p- & m- Xylenes	111		"	100		111	82-128				
p-Isopropyltoluene	52.7		"	50.0		105	85-125				
sec-Butylbenzene	52.3		"	50.0		105	83-125				
Styrene	55.0		"	50.0		110	86-126				
tert-Butyl alcohol (TBA)	274		"	250		110	70-130				
tert-Butylbenzene	52.6		"	50.0		105	80-127				
Tetrachloroethylene	50.0		"	50.0		100	80-129				
Toluene	53.9		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	56.4		"	50.0		113	72-132				
trans-1,3-Dichloropropylene	60.9		"	50.0		122	78-132				
Trichloroethylene	55.0		"	50.0		110	84-123				
Trichlorofluoromethane	57.3		"	50.0		115	62-140				
Vinyl acetate	67.6		"	50.0		135	67-136				
Vinyl Chloride	57.2		"	50.0		114	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.0		"	50.0		99.9	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 BC22944 - EPA 5035A											
LCS (BC22944-BS1)						Prepared & Analyzed: 03/25/2022					
Surrogate: SURR: Toluene-d8	48.2		ug/L	50.0		96.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.8		"	50.0		97.6	76-130				
LCS Dup (BC22944-BSD1)						Prepared & Analyzed: 03/25/2022					
1,1,1,2-Tetrachloroethane	55.1		ug/L	50.0		110	75-129		4.40	30	
1,1,1-Trichloroethane	54.8		"	50.0		110	71-137		5.90	30	
1,1,2,2-Tetrachloroethane	52.8		"	50.0		106	79-129		2.88	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62.1		"	50.0		124	58-146		11.4	30	
1,1,2-Trichloroethane	53.2		"	50.0		106	83-123		4.70	30	
1,1-Dichloroethane	53.6		"	50.0		107	75-130		6.41	30	
1,1-Dichloroethylene	68.5		"	50.0		137	64-137		6.96	30	
1,1-Dichloropropylene	50.6		"	50.0		101	77-127		5.78	30	
1,2,3-Trichlorobenzene	51.3		"	50.0		103	81-140		6.12	30	
1,2,3-Trichloropropane	52.5		"	50.0		105	81-126		3.00	30	
1,2,4-Trichlorobenzene	51.2		"	50.0		102	80-141		5.60	30	
1,2,4-Trimethylbenzene	49.3		"	50.0		98.6	84-125		5.94	30	
1,2-Dibromo-3-chloropropane	52.6		"	50.0		105	74-142		5.48	30	
1,2-Dibromoethane	56.0		"	50.0		112	86-123		4.15	30	
1,2-Dichlorobenzene	51.7		"	50.0		103	85-122		5.00	30	
1,2-Dichloroethane	56.4		"	50.0		113	71-133		3.59	30	
1,2-Dichloropropane	52.9		"	50.0		106	81-122		6.42	30	
1,3,5-Trimethylbenzene	48.7		"	50.0		97.3	82-126		6.31	30	
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124		5.56	30	
1,3-Dichloropropane	52.8		"	50.0		106	83-123		4.50	30	
1,4-Dichlorobenzene	50.8		"	50.0		102	84-124		5.19	30	
1,4-Dioxane	1040		"	1050		98.7	10-228		7.79	30	
2,2-Dichloropropane	60.0		"	50.0		120	67-136		10.2	30	
2-Butanone	51.1		"	50.0		102	58-147		14.6	30	
2-Chlorotoluene	49.6		"	50.0		99.2	78-127		5.79	30	
2-Hexanone	50.0		"	50.0		100	70-139		4.76	30	
4-Chlorotoluene	48.3		"	50.0		96.6	79-125		14.9	30	
4-Methyl-2-pentanone	50.9		"	50.0		102	72-132		3.99	30	
Acetone	39.4		"	50.0		78.7	36-155		10.6	30	
Acrolein	47.1		"	50.0		94.2	10-238		15.1	30	
Acrylonitrile	51.9		"	50.0		104	66-141		3.97	30	
Benzene	54.8		"	50.0		110	77-127		5.34	30	
Bromobenzene	49.0		"	50.0		98.1	77-129		4.66	30	
Bromochloromethane	55.9		"	50.0		112	74-129		5.38	30	
Bromodichloromethane	54.9		"	50.0		110	81-124		6.11	30	
Bromoform	59.8		"	50.0		120	80-136		5.05	30	
Bromomethane	48.3		"	50.0		96.6	32-177		7.46	30	
Carbon disulfide	56.1		"	50.0		112	10-136		5.19	30	
Carbon tetrachloride	56.8		"	50.0		114	66-143		6.74	30	
Chlorobenzene	54.3		"	50.0		109	86-120		5.64	30	
Chloroethane	55.2		"	50.0		110	51-142		8.49	30	
Chloroform	55.7		"	50.0		111	76-131		4.63	30	
Chloromethane	49.0		"	50.0		98.0	49-132		6.00	30	
cis-1,2-Dichloroethylene	54.2		"	50.0		108	74-132		5.21	30	
cis-1,3-Dichloropropylene	56.0		"	50.0		112	81-129		4.67	30	
Cyclohexane	47.5		"	50.0		95.0	70-130		6.53	30	
Dibromochloromethane	57.4		"	50.0		115	10-200		6.50	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 BC22944 - EPA 5035A

LCS Dup (BC22944-BSD1)

Prepared & Analyzed: 03/25/2022

Dibromomethane	53.7		ug/L	50.0		107	83-124		4.14	30	
Dichlorodifluoromethane	56.3		"	50.0		113	28-158		6.97	30	
Ethyl Benzene	51.3		"	50.0		103	84-125		6.58	30	
Hexachlorobutadiene	49.8		"	50.0		99.6	83-133		5.22	30	
Isopropylbenzene	50.5		"	50.0		101	81-127		5.92	30	
Methyl acetate	47.5		"	50.0		95.0	41-143		0.147	30	
Methyl tert-butyl ether (MTBE)	56.6		"	50.0		113	74-131		4.46	30	
Methylcyclohexane	46.4		"	50.0		92.7	70-130		8.61	30	
Methylene chloride	53.0		"	50.0		106	57-141		3.99	30	
n-Butylbenzene	47.1		"	50.0		94.3	80-130		6.57	30	
n-Propylbenzene	48.6		"	50.0		97.2	74-136		6.49	30	
o-Xylene	53.3		"	50.0		107	83-123		5.56	30	
p- & m- Xylenes	104		"	100		104	82-128		6.65	30	
p-Isopropyltoluene	49.8		"	50.0		99.6	85-125		5.68	30	
sec-Butylbenzene	49.1		"	50.0		98.1	83-125		6.37	30	
Styrene	51.8		"	50.0		104	86-126		6.05	30	
tert-Butyl alcohol (TBA)	237		"	250		94.7	70-130		14.5	30	
tert-Butylbenzene	49.8		"	50.0		99.6	80-127		5.56	30	
Tetrachloroethylene	46.5		"	50.0		93.0	80-129		7.31	30	
Toluene	50.6		"	50.0		101	85-121		6.35	30	
trans-1,2-Dichloroethylene	53.4		"	50.0		107	72-132		5.34	30	
trans-1,3-Dichloropropylene	58.4		"	50.0		117	78-132		4.21	30	
Trichloroethylene	51.1		"	50.0		102	84-123		7.39	30	
Trichlorofluoromethane	54.2		"	50.0		108	62-140		5.54	30	
Vinyl acetate	67.5		"	50.0		135	67-136		0.237	30	
Vinyl Chloride	53.6		"	50.0		107	52-130		6.41	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	51.3		"	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	47.8		"	50.0		95.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.0		"	50.0		98.1	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 BC23058 - EPA 5030B

Blank (BC23058-BLK1)

Prepared & Analyzed: 03/28/2022

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	"
Methyleyclohexane	ND	0.500	"
Methylene chloride	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 BC23058 - EPA 5030B

Blank (BC23058-BLK1)

Prepared & Analyzed: 03/28/2022

Naphthalene	ND	2.00	ug/L
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	10.3	"	10.0	103	69-130
Surrogate: SURR: Toluene-d8	9.83	"	10.0	98.3	81-117
Surrogate: SURR: p-Bromofluorobenzene	10.5	"	10.0	105	79-122

LCS (BC23058-BS1)

Prepared & Analyzed: 03/28/2022

1,1,1,2-Tetrachloroethane	9.68	ug/L	10.0	96.8	82-126
1,1,1-Trichloroethane	10.0	"	10.0	100	78-136
1,1,2,2-Tetrachloroethane	9.25	"	10.0	92.5	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8	"	10.0	108	54-165
1,1,2-Trichloroethane	8.69	"	10.0	86.9	82-123
1,1-Dichloroethane	10.4	"	10.0	104	82-129
1,1-Dichloroethylene	11.2	"	10.0	112	68-138
1,2,3-Trichlorobenzene	7.50	"	10.0	75.0	76-136
1,2,3-Trichloropropane	9.03	"	10.0	90.3	77-128
1,2,4-Trichlorobenzene	8.20	"	10.0	82.0	76-137
1,2,4-Trimethylbenzene	9.87	"	10.0	98.7	82-132
1,2-Dibromo-3-chloropropane	6.96	"	10.0	69.6	45-147
1,2-Dibromoethane	8.86	"	10.0	88.6	83-124
1,2-Dichlorobenzene	9.85	"	10.0	98.5	79-123
1,2-Dichloroethane	10.0	"	10.0	100	73-132
1,2-Dichloropropane	10.6	"	10.0	106	78-126
1,3,5-Trimethylbenzene	10.0	"	10.0	100	80-131
1,3-Dichlorobenzene	9.52	"	10.0	95.2	86-122
1,3-Dichloropropane	9.03	"	10.0	90.3	81-125
1,4-Dichlorobenzene	9.71	"	10.0	97.1	85-124
1,4-Dioxane	189	"	210	90.1	10-349
2-Butanone	9.07	"	10.0	90.7	49-152
2-Hexanone	9.02	"	10.0	90.2	51-146
4-Methyl-2-pentanone	9.07	"	10.0	90.7	57-145
Acetone	9.34	"	10.0	93.4	14-150
Acrolein	6.06	"	10.0	60.6	10-153



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 BC23058 - EPA 5030B											
LCS (BC23058-BS1)						Prepared & Analyzed: 03/28/2022					
Acrylonitrile	9.85		ug/L	10.0		98.5	51-150				
Benzene	10.0		"	10.0		100	85-126				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	9.35		"	10.0		93.5	79-128				
Bromoform	9.50		"	10.0		95.0	78-133				
Bromomethane	5.91		"	10.0		59.1	43-168				
Carbon disulfide	10.0		"	10.0		100	68-146				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	11.0		"	10.0		110	65-136				
Chloroform	10.0		"	10.0		100	82-128				
Chloromethane	12.1		"	10.0		121	43-155				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129				
cis-1,3-Dichloropropylene	9.42		"	10.0		94.2	80-131				
Cyclohexane	7.83		"	10.0		78.3	63-149				
Dibromochloromethane	8.79		"	10.0		87.9	80-130				
Dibromomethane	9.03		"	10.0		90.3	72-134				
Dichlorodifluoromethane	17.3		"	10.0		173	44-144	High Bias			
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	9.99		"	10.0		99.9	67-146				
Isopropylbenzene	10.4		"	10.0		104	76-140				
Methyl acetate	8.66		"	10.0		86.6	51-139				
Methyl tert-butyl ether (MTBE)	8.81		"	10.0		88.1	76-135				
Methylcyclohexane	9.69		"	10.0		96.9	72-143				
Methylene chloride	10.4		"	10.0		104	55-137				
Naphthalene	7.30		"	10.0		73.0	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.6		"	10.0		106	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	18.0		"	20.0		90.0	77-133				
p-Diethylbenzene	9.51		"	10.0		95.1	84-134				
p-Ethyltoluene	10.7		"	10.0		107	88-129				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	9.80		"	10.0		98.0	67-132				
tert-Butyl alcohol (TBA)	39.4		"	50.0		78.7	25-162				
tert-Butylbenzene	8.17		"	10.0		81.7	77-138				
Tetrachloroethylene	9.74		"	10.0		97.4	82-131				
Toluene	9.92		"	10.0		99.2	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.17		"	10.0		91.7	78-131				
Trichloroethylene	9.49		"	10.0		94.9	82-128				
Trichlorofluoromethane	12.0		"	10.0		120	67-139				
Vinyl Chloride	14.4		"	10.0		144	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.97		"	10.0		99.7	69-130				
Surrogate: SURR: Toluene-d8	9.82		"	10.0		98.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.3		"	10.0		103	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 BC23058 - EPA 5030B											
LCS Dup (BC23058-BSD1)						Prepared & Analyzed: 03/28/2022					
1,1,1,2-Tetrachloroethane	9.37		ug/L	10.0		93.7	82-126		3.25	30	
1,1,1-Trichloroethane	9.41		"	10.0		94.1	78-136		6.28	30	
1,1,2,2-Tetrachloroethane	9.15		"	10.0		91.5	76-129		1.09	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		7.39	30	
1,1,2-Trichloroethane	8.70		"	10.0		87.0	82-123		0.115	30	
1,1-Dichloroethane	9.91		"	10.0		99.1	82-129		4.44	30	
1,1-Dichloroethylene	10.4		"	10.0		104	68-138		7.14	30	
1,2,3-Trichlorobenzene	7.60		"	10.0		76.0	76-136		1.32	30	
1,2,3-Trichloropropane	8.91		"	10.0		89.1	77-128		1.34	30	
1,2,4-Trichlorobenzene	8.16		"	10.0		81.6	76-137		0.489	30	
1,2,4-Trimethylbenzene	9.16		"	10.0		91.6	82-132		7.46	30	
1,2-Dibromo-3-chloropropane	7.25		"	10.0		72.5	45-147		4.08	30	
1,2-Dibromoethane	8.87		"	10.0		88.7	83-124		0.113	30	
1,2-Dichlorobenzene	9.41		"	10.0		94.1	79-123		4.57	30	
1,2-Dichloroethane	9.94		"	10.0		99.4	73-132		0.901	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		3.74	30	
1,3,5-Trimethylbenzene	9.24		"	10.0		92.4	80-131		8.20	30	
1,3-Dichlorobenzene	8.92		"	10.0		89.2	86-122		6.51	30	
1,3-Dichloropropane	9.04		"	10.0		90.4	81-125		0.111	30	
1,4-Dichlorobenzene	9.11		"	10.0		91.1	85-124		6.38	30	
1,4-Dioxane	199		"	210		94.8	10-349		5.17	30	
2-Butanone	9.35		"	10.0		93.5	49-152		3.04	30	
2-Hexanone	9.30		"	10.0		93.0	51-146		3.06	30	
4-Methyl-2-pentanone	9.44		"	10.0		94.4	57-145		4.00	30	
Acetone	9.18		"	10.0		91.8	14-150		1.73	30	
Acrolein	5.99		"	10.0		59.9	10-153		1.16	30	
Acrylonitrile	9.87		"	10.0		98.7	51-150		0.203	30	
Benzene	9.56		"	10.0		95.6	85-126		4.60	30	
Bromochloromethane	9.99		"	10.0		99.9	77-128		2.47	30	
Bromodichloromethane	9.11		"	10.0		91.1	79-128		2.60	30	
Bromoform	9.52		"	10.0		95.2	78-133		0.210	30	
Bromomethane	5.74		"	10.0		57.4	43-168		2.92	30	
Carbon disulfide	9.22		"	10.0		92.2	68-146		8.12	30	
Carbon tetrachloride	9.84		"	10.0		98.4	77-141		7.15	30	
Chlorobenzene	9.69		"	10.0		96.9	88-120		4.24	30	
Chloroethane	10.2		"	10.0		102	65-136		6.99	30	
Chloroform	9.62		"	10.0		96.2	82-128		4.37	30	
Chloromethane	10.8		"	10.0		108	43-155		11.3	30	
cis-1,2-Dichloroethylene	9.89		"	10.0		98.9	83-129		4.26	30	
cis-1,3-Dichloropropylene	9.16		"	10.0		91.6	80-131		2.80	30	
Cyclohexane	7.32		"	10.0		73.2	63-149		6.73	30	
Dibromochloromethane	8.72		"	10.0		87.2	80-130		0.800	30	
Dibromomethane	8.94		"	10.0		89.4	72-134		1.00	30	
Dichlorodifluoromethane	15.5		"	10.0		155	44-144	High Bias	10.8	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		4.96	30	
Hexachlorobutadiene	10.1		"	10.0		101	67-146		0.698	30	
Isopropylbenzene	9.59		"	10.0		95.9	76-140		8.20	30	
Methyl acetate	9.12		"	10.0		91.2	51-139		5.17	30	
Methyl tert-butyl ether (MTBE)	8.85		"	10.0		88.5	76-135		0.453	30	
Methyleyclohexane	9.07		"	10.0		90.7	72-143		6.61	30	
Methylene chloride	9.99		"	10.0		99.9	55-137		3.64	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 BC23058 - EPA 5030B

LCS Dup (BC23058-BSD1)

Prepared & Analyzed: 03/28/2022

Naphthalene	7.44		ug/L	10.0		74.4	70-147		1.90	30	
n-Butylbenzene	9.78		"	10.0		97.8	79-132		5.95	30	
n-Propylbenzene	9.70		"	10.0		97.0	78-133		8.58	30	
o-Xylene	9.92		"	10.0		99.2	78-130		4.05	30	
p- & m- Xylenes	17.1		"	20.0		85.4	77-133		5.19	30	
p-Diethylbenzene	8.90		"	10.0		89.0	84-134		6.63	30	
p-Ethyltoluene	9.92		"	10.0		99.2	88-129		7.94	30	
p-Isopropyltoluene	9.39		"	10.0		93.9	81-136		7.78	30	
sec-Butylbenzene	9.32		"	10.0		93.2	79-137		8.72	30	
Styrene	9.44		"	10.0		94.4	67-132		3.74	30	
tert-Butyl alcohol (TBA)	39.9		"	50.0		79.8	25-162		1.39	30	
tert-Butylbenzene	7.53		"	10.0		75.3	77-138	Low Bias	8.15	30	
Tetrachloroethylene	9.14		"	10.0		91.4	82-131		6.36	30	
Toluene	9.43		"	10.0		94.3	80-127		5.06	30	
trans-1,2-Dichloroethylene	9.95		"	10.0		99.5	80-132		6.33	30	
trans-1,3-Dichloropropylene	9.06		"	10.0		90.6	78-131		1.21	30	
Trichloroethylene	9.00		"	10.0		90.0	82-128		5.30	30	
Trichlorofluoromethane	10.9		"	10.0		109	67-139		8.82	30	
Vinyl Chloride	13.0		"	10.0		130	58-145		9.92	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: SURR: Toluene-d8	9.77		"	10.0		97.7	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.99		"	10.0		99.9	79-122				



Semivolatile 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 BC22990 - EPA 3510C

Blank (BC22990-BLK1)

Prepared: 03/28/2022 Analyzed: 03/30/2022

1,1-Biphenyl	ND	5.00	ug/L
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
1,2,4-Trichlorobenzene	ND	5.00	"
1,2-Dichlorobenzene	ND	5.00	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"
1,3-Dichlorobenzene	ND	5.00	"
1,4-Dichlorobenzene	ND	5.00	"
2,3,4,6-Tetrachlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
2-Nitroaniline	ND	5.00	"
2-Nitrophenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
3,3-Dichlorobenzidine	ND	5.00	"
3-Nitroaniline	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
4-Nitroaniline	ND	5.00	"
4-Nitrophenol	ND	5.00	"
Acetophenone	ND	5.00	"
Aniline	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzidine	ND	5.00	"
Benzoic acid	ND	5.00	"
Benzyl alcohol	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
Dibenzofuran	ND	5.00	"
Diethyl phthalate	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Hexachlorocyclopentadiene	ND	10.0	"
Isophorone	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"



Semivolatile 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 BC22990 - EPA 3510C

Blank (BC22990-BLK1)

Prepared: 03/28/2022 Analyzed: 03/30/2022

N-Nitrosodiphenylamine	ND	5.00	ug/L								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	17.4		"	50.0		34.7	19.7-63.1				
Surrogate: SURR: Phenol-d5	10.0		"	50.0		20.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.9		"	25.0		71.5	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.8		"	25.0		75.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	50.9		"	50.0		102	39.3-151				
Surrogate: SURR: Terphenyl-d14	23.0		"	25.0		92.0	30.7-106				

Blank (BC22990-BLK2)

Prepared & Analyzed: 03/28/2022

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	1.08	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile 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 BC22990 - EPA 3510C											
LCS (BC22990-BS1)						Prepared & Analyzed: 03/28/2022					
1,1-Biphenyl	13.6	5.00	ug/L	25.0		54.6	33-95				
1,2,4,5-Tetrachlorobenzene	12.7	5.00	"	25.0		50.8	26-120				
1,2,4-Trichlorobenzene	11.4	5.00	"	25.0		45.8	20-118				
1,2-Dichlorobenzene	11.0	5.00	"	25.0		44.1	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	14.1	5.00	"	25.0		56.4	16-141				
1,3-Dichlorobenzene	10.5	5.00	"	25.0		42.0	23-117				
1,4-Dichlorobenzene	11.3	5.00	"	25.0		45.2	30-105				
2,3,4,6-Tetrachlorophenol	15.7	5.00	"	25.0		62.9	30-130				
2,4,5-Trichlorophenol	13.5	5.00	"	25.0		54.0	32-114				
2,4,6-Trichlorophenol	13.7	5.00	"	25.0		54.6	35-118				
2,4-Dichlorophenol	13.3	5.00	"	25.0		53.1	25-116				
2,4-Dimethylphenol	12.6	5.00	"	25.0		50.4	15-116				
2,4-Dinitrophenol	12.4	5.00	"	25.0		49.5	10-170				
2,4-Dinitrotoluene	14.1	5.00	"	25.0		56.2	41-128				
2,6-Dinitrotoluene	14.7	5.00	"	25.0		58.9	45-116				
2-Chloronaphthalene	12.7	5.00	"	25.0		50.6	33-112				
2-Chlorophenol	11.5	5.00	"	25.0		45.9	15-120				
2-Methylnaphthalene	13.0	5.00	"	25.0		51.8	24-118				
2-Methylphenol	10.2	5.00	"	25.0		40.8	10-110				
2-Nitroaniline	14.4	5.00	"	25.0		57.5	34-129				
2-Nitrophenol	13.9	5.00	"	25.0		55.8	28-118				
3- & 4-Methylphenols	7.89	5.00	"	25.0		31.6	10-107				
3,3-Dichlorobenzidine	9.39	5.00	"	25.0		37.6	15-187				
3-Nitroaniline	12.6	5.00	"	25.0		50.2	24-134				
4,6-Dinitro-2-methylphenol	13.3	5.00	"	25.0		53.2	10-153				
4-Bromophenyl phenyl ether	13.3	5.00	"	25.0		53.2	34-120				
4-Chloro-3-methylphenol	13.6	5.00	"	25.0		54.5	20-120				
4-Chloroaniline	10.6	5.00	"	25.0		42.3	10-147				
4-Chlorophenyl phenyl ether	13.3	5.00	"	25.0		53.1	27-121				
4-Nitroaniline	12.7	5.00	"	25.0		50.6	13-134				
4-Nitrophenol	6.08	5.00	"	25.0		24.3	10-131				
Acetophenone	13.0	5.00	"	25.0		51.9	25-110				
Aniline	9.33	5.00	"	25.0		37.3	10-117				
Benzaldehyde	12.8	5.00	"	25.0		51.2	29-117				
Benzoic acid	3.19	5.00	"	25.0		12.8	30-130	Low Bias			
Benzyl alcohol	9.46	5.00	"	25.0		37.8	10-117				
Benzyl butyl phthalate	15.8	5.00	"	25.0		63.0	29-133				
Bis(2-chloroethoxy)methane	12.5	5.00	"	25.0		50.1	10-154				
Bis(2-chloroethyl)ether	11.6	5.00	"	25.0		46.2	17-125				
Bis(2-chloroisopropyl)ether	11.1	5.00	"	25.0		44.2	10-139				
Caprolactam	3.19	5.00	"	25.0		12.8	10-137				
Carbazole	13.6	5.00	"	25.0		54.6	42-126				
Dibenzofuran	13.3	5.00	"	25.0		53.1	36-113				
Diethyl phthalate	14.1	5.00	"	25.0		56.4	38-115				
Dimethyl phthalate	13.7	5.00	"	25.0		54.6	38-129				
Di-n-butyl phthalate	14.2	5.00	"	25.0		56.8	31-120				
Di-n-octyl phthalate	14.4	5.00	"	25.0		57.4	21-149				
Hexachlorocyclopentadiene	9.68	10.0	"	25.0		38.7	10-130				
Isophorone	13.2	5.00	"	25.0		52.9	25-127				
N-nitroso-di-n-propylamine	12.0	5.00	"	25.0		48.2	26-122				
N-Nitrosodiphenylamine	15.5	5.00	"	25.0		62.0	23-149				



Semivolatile 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 BC22990 - EPA 3510C

LCS (BC22990-BS1)

Prepared & Analyzed: 03/28/2022

Phenol	3.84	5.00	ug/L	25.0		15.4	10-110				
Pyridine	6.42	5.00	"	25.5		25.2	10-90				
Surrogate: SURR: 2-Fluorophenol	12.9		"	50.0		25.7	19.7-63.1				
Surrogate: SURR: Phenol-d5	7.69		"	50.0		15.4	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	13.6		"	25.0		54.6	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	13.4		"	25.0		53.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	30.0		"	50.0		60.0	39.3-151				
Surrogate: SURR: Terphenyl-d14	16.1		"	25.0		64.5	30.7-106				

LCS (BC22990-BS2)

Prepared & Analyzed: 03/28/2022

Acenaphthene	0.730	0.0500	ug/L				25-116				
Acenaphthylene	0.800	0.0500	"				26-116				
Anthracene	0.500	0.0500	"				25-123				
Benzo(a)anthracene	0.650	0.0500	"				33-125				
Benzo(a)pyrene	0.620	0.0500	"				32-132				
Benzo(b)fluoranthene	1.04	0.0500	"				22-137				
Benzo(g,h,i)perylene	0.680	0.0500	"				10-138				
Benzo(k)fluoranthene	0.950	0.0500	"				20-137				
Bis(2-ethylhexyl)phthalate	1.24	0.500	"				10-189				
Chrysene	0.810	0.0500	"				32-124				
Dibenzo(a,h)anthracene	0.930	0.0500	"				16-133				
Fluoranthene	0.920	0.0500	"				32-121				
Fluorene	0.850	0.0500	"				28-118				
Hexachlorobenzene	0.780	0.0200	"				23-124				
Hexachlorobutadiene	0.710	0.500	"				15-123				
Hexachloroethane	3.07	0.500	"				18-115				
Indeno(1,2,3-cd)pyrene	0.770	0.0500	"				15-135				
Naphthalene	0.750	0.0500	"				18-120				
Nitrobenzene	0.850	0.250	"				21-121				
N-Nitrosodimethylamine	ND	0.500	"				10-124				
Pentachlorophenol	0.850	0.250	"				10-156				
Phenanthrene	0.820	0.0500	"				24-127				
Pyrene	0.730	0.0500	"				31-132				



Semivolatile 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 BC22990 - EPA 3510C											
LCS Dup (BC22990-BSD1)						Prepared & Analyzed: 03/28/2022					
1,1-Biphenyl	18.1	5.00	ug/L	25.0		72.4	33-95		28.0	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	16.5	5.00	"	25.0		66.1	26-120		26.2	20	Non-dir.
1,2,4-Trichlorobenzene	15.2	5.00	"	25.0		60.8	20-118		28.2	20	Non-dir.
1,2-Dichlorobenzene	15.4	5.00	"	25.0		61.5	29-111		33.0	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	18.4	5.00	"	25.0		73.7	16-141		26.6	20	Non-dir.
1,3-Dichlorobenzene	14.5	5.00	"	25.0		58.2	23-117		32.4	20	Non-dir.
1,4-Dichlorobenzene	15.2	5.00	"	25.0		60.7	30-105		29.2	20	Non-dir.
2,3,4,6-Tetrachlorophenol	19.8	5.00	"	25.0		79.0	30-130		22.7	20	Non-dir.
2,4,5-Trichlorophenol	17.3	5.00	"	25.0		69.0	32-114		24.4	20	Non-dir.
2,4,6-Trichlorophenol	17.2	5.00	"	25.0		69.0	35-118		23.2	20	Non-dir.
2,4-Dichlorophenol	17.4	5.00	"	25.0		69.6	25-116		26.9	20	Non-dir.
2,4-Dimethylphenol	16.0	5.00	"	25.0		64.2	15-116		24.0	20	Non-dir.
2,4-Dinitrophenol	20.8	5.00	"	25.0		83.2	10-170		50.8	20	Non-dir.
2,4-Dinitrotoluene	18.4	5.00	"	25.0		73.6	41-128		26.8	20	Non-dir.
2,6-Dinitrotoluene	19.4	5.00	"	25.0		77.5	45-116		27.3	20	Non-dir.
2-Chloronaphthalene	16.6	5.00	"	25.0		66.2	33-112		26.6	20	Non-dir.
2-Chlorophenol	15.6	5.00	"	25.0		62.5	15-120		30.6	20	Non-dir.
2-Methylnaphthalene	17.0	5.00	"	25.0		67.8	24-118		26.7	20	Non-dir.
2-Methylphenol	13.6	5.00	"	25.0		54.3	10-110		28.3	20	Non-dir.
2-Nitroaniline	18.6	5.00	"	25.0		74.5	34-129		25.7	20	Non-dir.
2-Nitrophenol	18.4	5.00	"	25.0		73.4	28-118		27.3	20	Non-dir.
3- & 4-Methylphenols	10.7	5.00	"	25.0		42.8	10-107		30.3	20	Non-dir.
3,3-Dichlorobenzidine	10.9	5.00	"	25.0		43.7	15-187		15.1	20	
3-Nitroaniline	15.0	5.00	"	25.0		60.0	24-134		17.9	20	
4,6-Dinitro-2-methylphenol	18.2	5.00	"	25.0		72.6	10-153		31.0	20	Non-dir.
4-Bromophenyl phenyl ether	17.3	5.00	"	25.0		69.1	34-120		26.0	20	Non-dir.
4-Chloro-3-methylphenol	17.8	5.00	"	25.0		71.1	20-120		26.5	20	Non-dir.
4-Chloroaniline	10.9	5.00	"	25.0		43.5	10-147		2.70	20	
4-Chlorophenyl phenyl ether	16.6	5.00	"	25.0		66.3	27-121		22.2	20	Non-dir.
4-Nitroaniline	16.2	5.00	"	25.0		64.9	13-134		24.7	20	Non-dir.
4-Nitrophenol	7.75	5.00	"	25.0		31.0	10-131		24.2	20	Non-dir.
Acetophenone	17.8	5.00	"	25.0		71.0	25-110		31.0	20	Non-dir.
Aniline	10.5	5.00	"	25.0		42.1	10-117		12.0	20	
Benzaldehyde	16.8	5.00	"	25.0		67.1	29-117		26.9	20	Non-dir.
Benzoic acid	3.55	5.00	"	25.0		14.2	30-130	Low Bias	10.7	20	
Benzyl alcohol	11.8	5.00	"	25.0		47.2	10-117		22.0	20	Non-dir.
Benzyl butyl phthalate	20.7	5.00	"	25.0		82.8	29-133		27.2	20	Non-dir.
Bis(2-chloroethoxy)methane	15.9	5.00	"	25.0		63.6	10-154		23.8	20	Non-dir.
Bis(2-chloroethyl)ether	16.2	5.00	"	25.0		64.7	17-125		33.3	20	Non-dir.
Bis(2-chloroisopropyl)ether	15.3	5.00	"	25.0		61.1	10-139		32.0	20	Non-dir.
Caprolactam	4.22	5.00	"	25.0		16.9	10-137		27.8	20	Non-dir.
Carbazole	17.6	5.00	"	25.0		70.5	42-126		25.4	20	Non-dir.
Dibenzofuran	16.8	5.00	"	25.0		67.2	36-113		23.3	20	Non-dir.
Diethyl phthalate	17.9	5.00	"	25.0		71.6	38-115		23.9	20	Non-dir.
Dimethyl phthalate	17.5	5.00	"	25.0		69.9	38-129		24.5	20	Non-dir.
Di-n-butyl phthalate	18.6	5.00	"	25.0		74.3	31-120		26.7	20	Non-dir.
Di-n-octyl phthalate	18.3	5.00	"	25.0		73.2	21-149		24.2	20	Non-dir.
Hexachlorocyclopentadiene	13.6	10.0	"	25.0		54.5	10-130		33.8	20	Non-dir.
Isophorone	17.5	5.00	"	25.0		69.9	25-127		27.6	20	Non-dir.
N-nitroso-di-n-propylamine	16.3	5.00	"	25.0		65.2	26-122		30.1	20	Non-dir.
N-Nitrosodiphenylamine	20.3	5.00	"	25.0		81.1	23-149		26.7	20	Non-dir.



Semivolatile 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 BC22990 - EPA 3510C

LCS Dup (BC22990-BSD1)

Prepared & Analyzed: 03/28/2022

Phenol	5.25	5.00	ug/L	25.0		21.0	10-110		31.0	20	Non-dir.
Pyridine	7.37	5.00	"	25.5		28.9	10-90		13.8	20	
Surrogate: SURR: 2-Fluorophenol	17.0		"	50.0		34.0	19.7-63.1				
Surrogate: SURR: Phenol-d5	10.3		"	50.0		20.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	17.8		"	25.0		71.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.1		"	25.0		68.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	38.3		"	50.0		76.6	39.3-151				
Surrogate: SURR: Terphenyl-d14	19.6		"	25.0		78.5	30.7-106				

Batch BC23088 - EPA 3546 SVOA

Blank (BC23088-BLK1)

Prepared & Analyzed: 03/29/2022

1,1-Biphenyl	ND	0.0416	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"
1,2,4-Trichlorobenzene	ND	0.0416	"
1,2-Dichlorobenzene	ND	0.0416	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"
1,3-Dichlorobenzene	ND	0.0416	"
1,4-Dichlorobenzene	ND	0.0416	"
2,3,4,6-Tetrachlorophenol	ND	0.0830	"
2,4,5-Trichlorophenol	ND	0.0416	"
2,4,6-Trichlorophenol	ND	0.0416	"
2,4-Dichlorophenol	ND	0.0416	"
2,4-Dimethylphenol	ND	0.0416	"
2,4-Dinitrophenol	ND	0.0830	"
2,4-Dinitrotoluene	ND	0.0416	"
2,6-Dinitrotoluene	ND	0.0416	"
2-Chloronaphthalene	ND	0.0416	"
2-Chlorophenol	ND	0.0416	"
2-Methylnaphthalene	ND	0.0416	"
2-Methylphenol	ND	0.0416	"
2-Nitroaniline	ND	0.0830	"
2-Nitrophenol	ND	0.0416	"
3- & 4-Methylphenols	ND	0.0416	"
3,3-Dichlorobenzidine	ND	0.0416	"
3-Nitroaniline	ND	0.0830	"
4,6-Dinitro-2-methylphenol	ND	0.0830	"
4-Bromophenyl phenyl ether	ND	0.0416	"
4-Chloro-3-methylphenol	ND	0.0416	"
4-Chloroaniline	ND	0.0416	"
4-Chlorophenyl phenyl ether	ND	0.0416	"
4-Nitroaniline	ND	0.0830	"
4-Nitrophenol	ND	0.0830	"
Acenaphthene	ND	0.0416	"
Acenaphthylene	ND	0.0416	"
Acetophenone	ND	0.0416	"
Aniline	ND	0.166	"
Anthracene	ND	0.0416	"
Atrazine	ND	0.0416	"
Benzaldehyde	ND	0.0416	"
Benzidine	ND	0.166	"



Semivolatile 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 BC23088 - EPA 3546 SVOA

Blank (BC23088-BLK1)

Prepared & Analyzed: 03/29/2022

Benzo(a)anthracene	ND	0.0416	mg/kg wet								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.45		"	1.66		87.5	20-108				
Surrogate: SURR: Phenol-d5	1.43		"	1.66		85.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.661		"	0.831		79.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.738		"	0.831		88.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.92		"	1.66		115	19-110				
Surrogate: SURR: Terphenyl-d14	0.843		"	0.831		102	24-116				



Semivolatile 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 BC23088 - EPA 3546 SVOA											
LCS (BC23088-BS1)						Prepared & Analyzed: 03/29/2022					
1,1-Biphenyl	0.524	0.0416	mg/kg wet	0.831		63.1	18-111				
1,2,4,5-Tetrachlorobenzene	0.504	0.0830	"	0.831		60.7	21-131				
1,2,4-Trichlorobenzene	0.425	0.0416	"	0.831		51.2	10-140				
1,2-Dichlorobenzene	0.445	0.0416	"	0.831		53.6	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.410	0.0416	"	0.831		49.3	17-137				
1,3-Dichlorobenzene	0.464	0.0416	"	0.831		55.9	33-110				
1,4-Dichlorobenzene	0.452	0.0416	"	0.831		54.4	32-104				
2,3,4,6-Tetrachlorophenol	0.502	0.0830	"	0.831		60.4	30-130				
2,4,5-Trichlorophenol	0.505	0.0416	"	0.831		60.8	27-118				
2,4,6-Trichlorophenol	0.493	0.0416	"	0.831		59.4	31-120				
2,4-Dichlorophenol	0.498	0.0416	"	0.831		60.0	20-127				
2,4-Dimethylphenol	0.435	0.0416	"	0.831		52.3	14-132				
2,4-Dinitrophenol	0.744	0.0830	"	0.831		89.6	10-171				
2,4-Dinitrotoluene	0.557	0.0416	"	0.831		67.1	34-131				
2,6-Dinitrotoluene	0.569	0.0416	"	0.831		68.5	31-128				
2-Chloronaphthalene	0.461	0.0416	"	0.831		55.6	31-117				
2-Chlorophenol	0.454	0.0416	"	0.831		54.6	33-113				
2-Methylnaphthalene	0.468	0.0416	"	0.831		56.4	12-138				
2-Methylphenol	0.486	0.0416	"	0.831		58.6	10-136				
2-Nitroaniline	0.510	0.0830	"	0.831		61.4	27-132				
2-Nitrophenol	0.515	0.0416	"	0.831		62.0	17-129				
3- & 4-Methylphenols	0.431	0.0416	"	0.831		51.9	29-103				
3,3-Dichlorobenzidine	0.326	0.0416	"	0.831		39.2	22-149				
3-Nitroaniline	0.377	0.0830	"	0.831		45.4	20-133				
4,6-Dinitro-2-methylphenol	0.676	0.0830	"	0.831		81.4	10-143				
4-Bromophenyl phenyl ether	0.495	0.0416	"	0.831		59.6	29-120				
4-Chloro-3-methylphenol	0.467	0.0416	"	0.831		56.3	24-129				
4-Chloroaniline	0.169	0.0416	"	0.831		20.4	10-132				
4-Chlorophenyl phenyl ether	0.480	0.0416	"	0.831		57.8	27-124				
4-Nitroaniline	0.462	0.0830	"	0.831		55.6	16-128				
4-Nitrophenol	0.501	0.0830	"	0.831		60.3	10-141				
Acenaphthene	0.465	0.0416	"	0.831		56.0	30-121				
Acenaphthylene	0.463	0.0416	"	0.831		55.8	30-115				
Acetophenone	0.488	0.0416	"	0.831		58.7	20-112				
Aniline	0.378	0.166	"	0.831		45.5	10-119				
Anthracene	0.491	0.0416	"	0.831		59.1	34-118				
Atrazine	0.560	0.0416	"	0.831		67.4	26-112				
Benzaldehyde	0.496	0.0416	"	0.831		59.8	21-100				
Benzo(a)anthracene	0.528	0.0416	"	0.831		63.6	32-122				
Benzo(a)pyrene	0.503	0.0416	"	0.831		60.6	29-133				
Benzo(b)fluoranthene	0.559	0.0416	"	0.831		67.4	25-133				
Benzo(g,h,i)perylene	0.523	0.0416	"	0.831		63.0	10-143				
Benzo(k)fluoranthene	0.499	0.0416	"	0.831		60.1	25-128				
Benzoic acid	0.417	0.0416	"	0.831		50.2	10-140				
Benzyl alcohol	0.455	0.0416	"	0.831		54.8	30-115				
Benzyl butyl phthalate	0.524	0.0416	"	0.831		63.1	26-126				
Bis(2-chloroethoxy)methane	0.422	0.0416	"	0.831		50.8	19-132				
Bis(2-chloroethyl)ether	0.427	0.0416	"	0.831		51.4	19-125				
Bis(2-chloroisopropyl)ether	0.446	0.0416	"	0.831		53.6	20-135				
Bis(2-ethylhexyl)phthalate	0.539	0.0416	"	0.831		64.9	10-155				
Caprolactam	0.505	0.0830	"	0.831		60.8	10-127				



Semivolatile 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 BC23088 - EPA 3546 SVOA

LCS (BC23088-BS1)

Prepared & Analyzed: 03/29/2022

Carbazole	0.468	0.0416	mg/kg wet	0.831		56.4	35-123				
Chrysene	0.498	0.0416	"	0.831		59.9	32-123				
Dibenzo(a,h)anthracene	0.593	0.0416	"	0.831		71.4	10-136				
Dibenzofuran	0.495	0.0416	"	0.831		59.6	29-121				
Diethyl phthalate	0.474	0.0416	"	0.831		57.0	34-116				
Dimethyl phthalate	0.475	0.0416	"	0.831		57.2	35-124				
Di-n-butyl phthalate	0.479	0.0416	"	0.831		57.6	31-116				
Di-n-octyl phthalate	0.597	0.0416	"	0.831		71.8	26-136				
Fluoranthene	0.467	0.0416	"	0.831		56.3	33-122				
Fluorene	0.497	0.0416	"	0.831		59.8	29-123				
Hexachlorobenzene	0.458	0.0416	"	0.831		55.2	21-124				
Hexachlorobutadiene	0.489	0.0416	"	0.831		58.8	10-149				
Hexachlorocyclopentadiene	0.451	0.0416	"	0.831		54.4	10-129				
Hexachloroethane	0.469	0.0416	"	0.831		56.5	28-108				
Indeno(1,2,3-cd)pyrene	0.582	0.0416	"	0.831		70.1	10-135				
Isophorone	0.448	0.0416	"	0.831		53.9	20-132				
Naphthalene	0.485	0.0416	"	0.831		58.4	23-124				
Nitrobenzene	0.431	0.0416	"	0.831		51.8	13-132				
N-Nitrosodimethylamine	0.971	0.0416	"	0.831		117	11-129				
N-nitroso-di-n-propylamine	0.442	0.0416	"	0.831		53.2	24-119				
N-Nitrosodiphenylamine	0.542	0.0416	"	0.831		65.2	22-152				
Pentachlorophenol	0.451	0.0416	"	0.831		54.4	10-139				
Phenanthrene	0.471	0.0416	"	0.831		56.8	33-123				
Phenol	0.460	0.0416	"	0.831		55.4	23-115				
Pyrene	0.505	0.0416	"	0.831		60.8	24-130				
Pyridine	0.836	0.166	"	0.831		101	10-91	High Bias			
Surrogate: SURR: 2-Fluorophenol	1.02		"	1.66		61.3	20-108				
Surrogate: SURR: Phenol-d5	1.01		"	1.66		61.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.488		"	0.831		58.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.516		"	0.831		62.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.34		"	1.66		80.6	19-110				
Surrogate: SURR: Terphenyl-d14	0.606		"	0.831		73.0	24-116				



Semivolatile 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 BC23088 - EPA 3546 SVOA											
Matrix Spike (BC23088-MS1)	*Source sample: 22C1392-03 (Matrix Spike)						Prepared & Analyzed: 03/29/2022				
1,1-Biphenyl	0.343	0.0893	mg/kg dry	0.892	ND	38.5	10-130				
1,2,4,5-Tetrachlorobenzene	0.350	0.178	"	0.892	ND	39.3	10-133				
1,2,4-Trichlorobenzene	0.295	0.0893	"	0.892	ND	33.0	10-127				
1,2-Dichlorobenzene	0.301	0.0893	"	0.892	ND	33.8	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.315	0.0893	"	0.892	ND	35.4	10-144				
1,3-Dichlorobenzene	0.308	0.0893	"	0.892	ND	34.5	11-111				
1,4-Dichlorobenzene	0.305	0.0893	"	0.892	ND	34.2	10-106				
2,3,4,6-Tetrachlorophenol	0.360	0.178	"	0.892	ND	40.4	30-130				
2,4,5-Trichlorophenol	0.377	0.0893	"	0.892	ND	42.2	10-127				
2,4,6-Trichlorophenol	0.355	0.0893	"	0.892	ND	39.8	10-132				
2,4-Dichlorophenol	0.330	0.0893	"	0.892	ND	37.0	10-128				
2,4-Dimethylphenol	0.280	0.0893	"	0.892	ND	31.4	10-137				
2,4-Dinitrophenol	0.483	0.178	"	0.892	ND	54.2	10-171				
2,4-Dinitrotoluene	0.422	0.0893	"	0.892	ND	47.3	16-135				
2,6-Dinitrotoluene	0.407	0.0893	"	0.892	ND	45.7	18-131				
2-Chloronaphthalene	0.340	0.0893	"	0.892	ND	38.2	10-129				
2-Chlorophenol	0.312	0.0893	"	0.892	ND	35.0	15-116				
2-Methylnaphthalene	0.312	0.0893	"	0.892	ND	35.0	10-147				
2-Methylphenol	0.318	0.0893	"	0.892	ND	35.6	10-136				
2-Nitroaniline	0.387	0.178	"	0.892	ND	43.4	10-137				
2-Nitrophenol	0.340	0.0893	"	0.892	ND	38.2	10-129				
3- & 4-Methylphenols	0.278	0.0893	"	0.892	ND	31.2	10-123				
3,3-Dichlorobenzidine	0.243	0.0893	"	0.892	ND	27.2	10-155				
3-Nitroaniline	0.318	0.178	"	0.892	ND	35.6	12-133				
4,6-Dinitro-2-methylphenol	0.470	0.178	"	0.892	ND	52.7	10-155				
4-Bromophenyl phenyl ether	0.390	0.0893	"	0.892	ND	43.7	14-128				
4-Chloro-3-methylphenol	0.340	0.0893	"	0.892	ND	38.1	10-134				
4-Chloroaniline	0.146	0.0893	"	0.892	ND	16.4	10-145				
4-Chlorophenyl phenyl ether	0.359	0.0893	"	0.892	ND	40.2	14-130				
4-Nitroaniline	0.355	0.178	"	0.892	ND	39.8	10-147				
4-Nitrophenol	0.377	0.178	"	0.892	ND	42.3	10-137				
Acenaphthene	0.338	0.0893	"	0.892	ND	37.8	10-146				
Acenaphthylene	0.338	0.0893	"	0.892	ND	37.8	10-134				
Acetophenone	0.308	0.0893	"	0.892	ND	34.5	10-116				
Aniline	0.251	0.357	"	0.892	ND	28.2	10-123				
Anthracene	0.390	0.0893	"	0.892	ND	43.8	10-142				
Atrazine	0.422	0.0893	"	0.892	ND	47.4	19-115				
Benzaldehyde	0.313	0.0893	"	0.892	ND	35.1	10-125				
Benzo(a)anthracene	0.419	0.0893	"	0.892	ND	47.0	10-158				
Benzo(a)pyrene	0.402	0.0893	"	0.892	ND	45.1	10-180				
Benzo(b)fluoranthene	0.435	0.0893	"	0.892	ND	48.8	10-200				
Benzo(g,h,i)perylene	0.410	0.0893	"	0.892	ND	45.9	10-138				
Benzo(k)fluoranthene	0.403	0.0893	"	0.892	ND	45.2	10-197				
Benzoic acid	0.257	0.0893	"	0.892	ND	28.8	10-166				
Benzyl alcohol	0.295	0.0893	"	0.892	ND	33.1	12-124				
Benzyl butyl phthalate	0.398	0.0893	"	0.892	ND	44.6	10-154				
Bis(2-chloroethoxy)methane	0.295	0.0893	"	0.892	ND	33.1	10-132				
Bis(2-chloroethyl)ether	0.280	0.0893	"	0.892	ND	31.4	10-119				
Bis(2-chloroisopropyl)ether	0.288	0.0893	"	0.892	ND	32.2	10-139				
Bis(2-ethylhexyl)phthalate	0.402	0.0893	"	0.892	ND	45.1	10-167				
Caprolactam	0.356	0.178	"	0.892	ND	39.9	10-132				



Semivolatile 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 BC23088 - EPA 3546 SVOA

Matrix Spike (BC23088-MS1)		*Source sample: 22C1392-03 (Matrix Spike)						Prepared & Analyzed: 03/29/2022			
Carbazole	0.375	0.0893	mg/kg dry	0.892	ND	42.0	10-167				
Chrysene	0.395	0.0893	"	0.892	ND	44.2	10-156				
Dibenzo(a,h)anthracene	0.455	0.0893	"	0.892	ND	51.0	10-137				
Dibenzofuran	0.367	0.0893	"	0.892	ND	41.1	10-147				
Diethyl phthalate	0.363	0.0893	"	0.892	ND	40.7	20-120				
Dimethyl phthalate	0.357	0.0893	"	0.892	ND	40.1	18-131				
Di-n-butyl phthalate	0.377	0.0893	"	0.892	ND	42.2	10-137				
Di-n-octyl phthalate	0.445	0.0893	"	0.892	ND	49.9	10-180				
Fluoranthene	0.380	0.0893	"	0.892	ND	42.6	10-160				
Fluorene	0.362	0.0893	"	0.892	ND	40.6	10-157				
Hexachlorobenzene	0.351	0.0893	"	0.892	ND	39.4	10-137				
Hexachlorobutadiene	0.306	0.0893	"	0.892	ND	34.3	10-132				
Hexachlorocyclopentadiene	0.246	0.0893	"	0.892	ND	27.6	10-106				
Hexachloroethane	0.297	0.0893	"	0.892	ND	33.3	10-110				
Indeno(1,2,3-cd)pyrene	0.447	0.0893	"	0.892	ND	50.1	10-144				
Isophorone	0.313	0.0893	"	0.892	ND	35.0	10-132				
Naphthalene	0.337	0.0893	"	0.892	ND	37.8	10-141				
Nitrobenzene	0.289	0.0893	"	0.892	ND	32.4	10-131				
N-Nitrosodimethylamine	0.698	0.0893	"	0.892	ND	78.2	10-126				
N-nitroso-di-n-propylamine	0.283	0.0893	"	0.892	ND	31.8	10-125				
N-Nitrosodiphenylamine	0.428	0.0893	"	0.892	ND	48.0	10-177				
Pentachlorophenol	0.331	0.0893	"	0.892	ND	37.1	10-153				
Phenanthrene	0.372	0.0893	"	0.892	ND	41.8	10-148				
Phenol	0.290	0.0893	"	0.892	ND	32.5	10-126				
Pyrene	0.402	0.0893	"	0.892	ND	45.1	10-165				
Pyridine	0.524	0.357	"	0.892	ND	58.8	10-83				
Surrogate: SURR: 2-Fluorophenol	0.579		"	1.78		32.4	20-108				
Surrogate: SURR: Phenol-d5	0.555		"	1.78		31.1	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.284		"	0.892		31.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.315		"	0.892		35.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.871		"	1.78		48.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.410		"	0.892		45.9	24-116				



Semivolatile 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 BC23088 - EPA 3546 SVOA											
Matrix Spike Dup (BC23088-MSD1)	*Source sample: 22C1392-03 (Matrix Spike Dup)						Prepared & Analyzed: 03/29/2022				
1,1-Biphenyl	0.398	0.0893	mg/kg dry	0.892	ND	44.6	10-130		14.8	30	
1,2,4,5-Tetrachlorobenzene	0.416	0.178	"	0.892	ND	46.6	10-133		17.1	30	
1,2,4-Trichlorobenzene	0.357	0.0893	"	0.892	ND	40.1	10-127		19.3	30	
1,2-Dichlorobenzene	0.355	0.0893	"	0.892	ND	39.8	14-111		16.5	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.325	0.0893	"	0.892	ND	36.4	10-144		2.90	30	
1,3-Dichlorobenzene	0.373	0.0893	"	0.892	ND	41.8	11-111		19.3	30	
1,4-Dichlorobenzene	0.374	0.0893	"	0.892	ND	41.9	10-106		20.2	30	
2,3,4,6-Tetrachlorophenol	0.381	0.178	"	0.892	ND	42.7	30-130		5.58	30	
2,4,5-Trichlorophenol	0.406	0.0893	"	0.892	ND	45.5	10-127		7.47	30	
2,4,6-Trichlorophenol	0.390	0.0893	"	0.892	ND	43.7	10-132		9.40	30	
2,4-Dichlorophenol	0.387	0.0893	"	0.892	ND	43.4	10-128		15.9	30	
2,4-Dimethylphenol	0.337	0.0893	"	0.892	ND	37.8	10-137		18.5	30	
2,4-Dinitrophenol	0.484	0.178	"	0.892	ND	54.3	10-171		0.295	30	
2,4-Dinitrotoluene	0.443	0.0893	"	0.892	ND	49.7	16-135		4.95	30	
2,6-Dinitrotoluene	0.440	0.0893	"	0.892	ND	49.4	18-131		7.74	30	
2-Chloronaphthalene	0.383	0.0893	"	0.892	ND	43.0	10-129		11.8	30	
2-Chlorophenol	0.376	0.0893	"	0.892	ND	42.2	15-116		18.7	30	
2-Methylnaphthalene	0.366	0.0893	"	0.892	ND	41.0	10-147		16.0	30	
2-Methylphenol	0.384	0.0893	"	0.892	ND	43.0	10-136		18.9	30	
2-Nitroaniline	0.429	0.178	"	0.892	ND	48.1	10-137		10.1	30	
2-Nitrophenol	0.432	0.0893	"	0.892	ND	48.4	10-129		23.7	30	
3- & 4-Methylphenols	0.340	0.0893	"	0.892	ND	38.2	10-123		20.1	30	
3,3-Dichlorobenzidine	0.263	0.0893	"	0.892	ND	29.4	10-155		7.91	30	
3-Nitroaniline	0.353	0.178	"	0.892	ND	39.6	12-133		10.6	30	
4,6-Dinitro-2-methylphenol	0.477	0.178	"	0.892	ND	53.4	10-155		1.36	30	
4-Bromophenyl phenyl ether	0.388	0.0893	"	0.892	ND	43.5	14-128		0.367	30	
4-Chloro-3-methylphenol	0.389	0.0893	"	0.892	ND	43.6	10-134		13.5	30	
4-Chloroaniline	0.204	0.0893	"	0.892	ND	22.9	10-145		33.0	30	Non-dir.
4-Chlorophenyl phenyl ether	0.387	0.0893	"	0.892	ND	43.4	14-130		7.46	30	
4-Nitroaniline	0.370	0.178	"	0.892	ND	41.5	10-147		4.13	30	
4-Nitrophenol	0.374	0.178	"	0.892	ND	41.9	10-137		0.950	30	
Acenaphthene	0.372	0.0893	"	0.892	ND	41.8	10-146		9.85	30	
Acenaphthylene	0.382	0.0893	"	0.892	ND	42.8	10-134		12.3	30	
Acetophenone	0.369	0.0893	"	0.892	ND	41.4	10-116		18.1	30	
Aniline	0.301	0.357	"	0.892	ND	33.8	10-123		18.1	30	
Anthracene	0.388	0.0893	"	0.892	ND	43.5	10-142		0.550	30	
Atrazine	0.398	0.0893	"	0.892	ND	44.6	19-115		5.91	30	
Benzaldehyde	0.389	0.0893	"	0.892	ND	43.6	10-125		21.5	30	
Benzo(a)anthracene	0.407	0.0893	"	0.892	ND	45.7	10-158		2.76	30	
Benzo(a)pyrene	0.402	0.0893	"	0.892	ND	45.0	10-180		0.177	30	
Benzo(b)fluoranthene	0.425	0.0893	"	0.892	ND	47.6	10-200		2.49	30	
Benzo(g,h,i)perylene	0.402	0.0893	"	0.892	ND	45.1	10-138		1.76	30	
Benzo(k)fluoranthene	0.408	0.0893	"	0.892	ND	45.8	10-197		1.23	30	
Benzoic acid	0.295	0.0893	"	0.892	ND	33.1	10-166		14.0	30	
Benzyl alcohol	0.340	0.0893	"	0.892	ND	38.1	12-124		13.9	30	
Benzyl butyl phthalate	0.378	0.0893	"	0.892	ND	42.4	10-154		5.15	30	
Bis(2-chloroethoxy)methane	0.344	0.0893	"	0.892	ND	38.6	10-132		15.2	30	
Bis(2-chloroethyl)ether	0.347	0.0893	"	0.892	ND	39.0	10-119		21.4	30	
Bis(2-chloroisopropyl)ether	0.344	0.0893	"	0.892	ND	38.6	10-139		17.9	30	
Bis(2-ethylhexyl)phthalate	0.397	0.0893	"	0.892	ND	44.5	10-167		1.43	30	
Caprolactam	0.382	0.178	"	0.892	ND	42.9	10-132		7.15	30	



Semivolatile 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 BC23088 - EPA 3546 SVOA

Matrix Spike Dup (BC23088-MSD1)		*Source sample: 22C1392-03 (Matrix Spike Dup)					Prepared & Analyzed: 03/29/2022				
Carbazole	0.370	0.0893	mg/kg dry	0.892	ND	41.4	10-167		1.34	30	
Chrysene	0.384	0.0893	"	0.892	ND	43.0	10-156		2.75	30	
Dibenzo(a,h)anthracene	0.463	0.0893	"	0.892	ND	51.9	10-137		1.71	30	
Dibenzofuran	0.402	0.0893	"	0.892	ND	45.0	10-147		9.10	30	
Diethyl phthalate	0.383	0.0893	"	0.892	ND	43.0	20-120		5.35	30	
Dimethyl phthalate	0.382	0.0893	"	0.892	ND	42.9	18-131		6.75	30	
Di-n-butyl phthalate	0.365	0.0893	"	0.892	ND	41.0	10-137		3.08	30	
Di-n-octyl phthalate	0.430	0.0893	"	0.892	ND	48.2	10-180		3.42	30	
Fluoranthene	0.373	0.0893	"	0.892	ND	41.8	10-160		1.71	30	
Fluorene	0.382	0.0893	"	0.892	ND	42.9	10-157		5.56	30	
Hexachlorobenzene	0.346	0.0893	"	0.892	ND	38.8	10-137		1.43	30	
Hexachlorobutadiene	0.383	0.0893	"	0.892	ND	43.0	10-132		22.4	30	
Hexachlorocyclopentadiene	0.311	0.0893	"	0.892	ND	34.9	10-106		23.3	30	
Hexachloroethane	0.365	0.0893	"	0.892	ND	40.9	10-110		20.5	30	
Indeno(1,2,3-cd)pyrene	0.439	0.0893	"	0.892	ND	49.2	10-144		1.77	30	
Isophorone	0.379	0.0893	"	0.892	ND	42.5	10-132		19.2	30	
Naphthalene	0.407	0.0893	"	0.892	ND	45.7	10-141		19.0	30	
Nitrobenzene	0.355	0.0893	"	0.892	ND	39.8	10-131		20.6	30	
N-Nitrosodimethylamine	0.827	0.0893	"	0.892	ND	92.7	10-126		16.9	30	
N-nitroso-di-n-propylamine	0.335	0.0893	"	0.892	ND	37.6	10-125		16.8	30	
N-Nitrosodiphenylamine	0.425	0.0893	"	0.892	ND	47.6	10-177		0.837	30	
Pentachlorophenol	0.316	0.0893	"	0.892	ND	35.4	10-153		4.63	30	
Phenanthrene	0.376	0.0893	"	0.892	ND	42.2	10-148		0.953	30	
Phenol	0.352	0.0893	"	0.892	ND	39.5	10-126		19.6	30	
Pyrene	0.387	0.0893	"	0.892	ND	43.4	10-165		3.98	30	
Pyridine	0.731	0.357	"	0.892	ND	82.0	10-83		33.0	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	0.707		"	1.78		39.6	20-108				
Surrogate: SURR: Phenol-d5	0.696		"	1.78		39.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.358		"	0.892		40.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.363		"	0.892		40.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.893		"	1.78		50.0	19-110				
Surrogate: SURR: Terphenyl-d14	0.397		"	0.892		44.5	24-116				



Metals by ICP - 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 BC23008 - EPA 3015A

Blank (BC23008-BLK1)

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

Arsenic	ND	0.017	mg/L
Barium	ND	0.028	"
Cadmium	ND	0.003	"
Chromium	ND	0.006	"
Lead	ND	0.006	"
Selenium	ND	0.028	"
Silver	ND	0.006	"

LCS (BC23008-BS1)

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

Arsenic	1.88		mg/L	2.00	93.9	80-120
Barium	2.20		"	2.00	110	80-120
Cadmium	0.050		"	0.0500	99.2	80-120
Chromium	0.206		"	0.200	103	80-120
Lead	0.539		"	0.500	108	80-120
Selenium	1.57		"	2.00	78.4	80-120 Low Bias
Silver	0.051		"	0.0500	103	80-120

Duplicate (BC23008-DUP1)

*Source sample: 22C1331-03 (Duplicate)

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

Arsenic	0.022	0.017	mg/L	0.022		2.46	20
Barium	0.250	0.028	"	0.282		11.7	20
Cadmium	ND	0.003	"	ND			20
Chromium	0.878	0.006	"	0.934		6.25	20
Lead	0.008	0.006	"	0.011		31.6	20 Non-dir.
Selenium	0.290	0.028	"	0.280		3.48	20
Silver	ND	0.006	"	ND			20

Matrix Spike (BC23008-MS1)

*Source sample: 22C1331-03 (Matrix Spike)

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

Arsenic	2.23	0.017	mg/L	2.22	0.022	99.6	75-125
Barium	2.64	0.028	"	2.22	0.282	106	75-125
Cadmium	0.052	0.003	"	0.0556	ND	93.9	75-125
Chromium	1.10	0.006	"	0.222	0.934	73.5	75-125 Low Bias
Lead	0.564	0.006	"	0.556	0.011	99.6	75-125
Selenium	2.11	0.028	"	2.22	0.280	82.4	75-125
Silver	0.052	0.006	"	0.0556	ND	92.8	75-125



Metals by ICP - 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 BC23008 - EPA 3015A

Post Spike (BC23008-PS1)		*Source sample: 22C1331-03 (Post Spike)					Prepared: 03/28/2022 Analyzed: 03/29/2022				
Arsenic	2.23		mg/L	2.00	0.020	111	75-125				
Barium	2.57		"	2.00	0.253	116	75-125				
Cadmium	0.053		"	0.0500	0.0002	105	75-125				
Chromium	1.07		"	0.200	0.841	113	75-125				
Lead	0.571		"	0.500	0.010	112	75-125				
Selenium	2.10		"	2.00	0.252	92.4	75-125				
Silver	0.022		"	0.0500	0.001	42.8	75-125	Low Bias			

Batch BC23164 - EPA 3050B

Blank (BC23164-BLK1)		Prepared: 03/29/2022 Analyzed: 03/30/2022									
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	26.4	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								



Metals by ICP - 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 BC23164 - EPA 3050B

Duplicate (BC23164-DUP1)		*Source sample: 22C1423-05 (Duplicate)				Prepared: 03/29/2022 Analyzed: 03/30/2022					
Aluminum	4060	5.67	mg/kg dry		3210				23.4	35	
Antimony	8.89	2.83	"		10.5				17.0	35	
Arsenic	6.38	1.70	"		4.23				40.6	35	Non-dir.
Barium	327	2.83	"		278				16.1	35	
Beryllium	ND	0.057	"		ND					35	
Cadmium	2.10	0.340	"		1.82				14.0	35	
Calcium	65300	5.67	"		24500				90.9	35	Non-dir.
Chromium	174	0.567	"		98.5				55.3	35	Non-dir.
Cobalt	4.70	0.453	"		3.49				29.6	35	
Copper	300	2.27	"		295				1.88	35	
Iron	12700	28.3	"		8630				38.4	35	Non-dir.
Lead	321	0.567	"		279				13.9	35	
Magnesium	20100	5.67	"		4160				131	35	Non-dir.
Manganese	188	0.567	"		135				32.6	35	
Nickel	102	1.13	"		77.3				27.3	35	
Potassium	857	5.67	"		440				64.4	35	Non-dir.
Selenium	8.64	2.83	"		ND					35	
Silver	ND	0.567	"		ND					35	
Sodium	322	56.7	"		319				0.986	35	
Thallium	ND	2.83	"		ND					35	
Vanadium	12.7	1.13	"		10.3				21.0	35	
Zinc	700	2.83	"		520				29.6	35	

Matrix Spike (BC23164-MS1)		*Source sample: 22C1423-05 (Matrix Spike)				Prepared: 03/29/2022 Analyzed: 03/30/2022					
Aluminum	6770	5.67	mg/kg dry	227	3210	NR	75-125	High Bias			
Antimony	28.8	2.83	"	28.3	10.5	64.4	75-125	Low Bias			
Arsenic	247	1.70	"	227	4.23	107	75-125				
Barium	813	2.83	"	227	278	236	75-125	High Bias			
Beryllium	5.75	0.057	"	5.67	ND	101	75-125				
Cadmium	8.25	0.340	"	5.67	1.82	113	75-125				
Calcium	35700	5.67	"	113	24500	NR	75-125	High Bias			
Chromium	323	0.567	"	22.7	98.5	989	75-125	High Bias			
Cobalt	67.9	0.453	"	56.7	3.49	114	75-125				
Copper	534	2.27	"	28.3	295	844	75-125	High Bias			
Iron	13900	28.3	"	113	8630	NR	75-125	High Bias			
Lead	488	0.567	"	56.7	279	369	75-125	High Bias			
Magnesium	5980	5.67	"	113	4160	NR	75-125	High Bias			
Manganese	383	0.567	"	56.7	135	438	75-125	High Bias			
Nickel	233	1.13	"	56.7	77.3	275	75-125	High Bias			
Potassium	717	5.67	"	113	440	245	75-125	High Bias			
Selenium	190	2.83	"	227	ND	83.8	75-125				
Silver	4.56	0.567	"	5.67	ND	80.4	75-125				
Sodium	557	56.7	"	113	319	210	75-125	High Bias			
Thallium	230	2.83	"	227	ND	101	75-125				
Vanadium	78.9	1.13	"	56.7	10.3	121	75-125				
Zinc	925	2.83	"	56.7	520	715	75-125	High Bias			



Metals by ICP - 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 BC23164 - EPA 3050B

Post Spike (BC23164-PS1)		*Source sample: 22C1423-05 (Post Spike)					Prepared: 03/29/2022 Analyzed: 03/30/2022				
Aluminum	29.3		ug/mL	2.00	28.3	51.4	75-125	Low Bias			
Antimony	0.402		"	0.250	0.093	124	75-125				
Arsenic	2.26		"	2.00	0.037	111	75-125				
Barium	4.77		"	2.00	2.45	116	75-125				
Beryllium	0.055		"	0.0500	-0.002	111	75-125				
Cadmium	0.072		"	0.0500	0.016	111	75-125				
Calcium	211		"	1.00	216	NR	75-125	Low Bias			
Chromium	1.09		"	0.200	0.869	108	75-125				
Cobalt	0.608		"	0.500	0.031	115	75-125				
Copper	2.89		"	0.250	2.60	116	75-125				
Iron	74.4		"	1.00	76.1	NR	75-125	Low Bias			
Lead	2.99		"	0.500	2.46	105	75-125				
Magnesium	36.3		"	1.00	36.7	NR	75-125	Low Bias			
Manganese	1.78		"	0.500	1.19	118	75-125				
Nickel	1.23		"	0.500	0.682	109	75-125				
Potassium	4.85		"	1.00	3.88	97.0	75-125				
Selenium	1.84		"	2.00	-0.038	91.8	75-125				
Silver	0.022		"	0.0500	0.0006	42.4	75-125	Low Bias			
Sodium	3.92		"	1.00	2.81	111	75-125				
Thallium	2.16		"	2.00	-0.005	108	75-125				
Vanadium	0.681		"	0.500	0.091	118	75-125				
Zinc	5.00		"	0.500	4.58	83.9	75-125				

Reference (BC23164-SRM1)		Prepared: 03/29/2022 Analyzed: 03/30/2022									
Aluminum	9190	5.00	mg/kg wet	10100		91.0	39.5-118.8				
Antimony	107	2.50	"	244		43.9	10-123				
Arsenic	107	1.50	"	109		98.2	63.7-118.3				
Barium	399	2.50	"	364		110	70.3-117				
Beryllium	56.8	0.050	"	57.0		99.6	69.3-115.4				
Cadmium	48.6	0.300	"	48.7		99.8	67.8-112.9				
Calcium	4970	5.00	"	5190		95.8	66.3-116.6				
Chromium	181	0.500	"	173		104	65.3-120.8				
Cobalt	163	0.400	"	148		110	70.3-117.6				
Copper	210	2.00	"	179		117	70.9-117.9				
Iron	14800	25.0	"	15000		98.9	36.8-162.7				
Lead	114	0.500	"	101		113	69.1-126.7				
Magnesium	2470	5.00	"	2570		96.1	56.4-124.9				
Manganese	405	0.500	"	370		110	72.2-119.2				
Nickel	65.8	1.00	"	52.2		126	63.4-117.8	High Bias			
Potassium	2320	5.00	"	2420		95.9	49.6-118.6				
Selenium	61.0	2.50	"	104		58.6	58.5-122.1				
Silver	28.4	0.500	"	29.9		95.1	63.5-123.7				
Sodium	143	50.0	"	161		88.8	30.1-139.1				
Thallium	92.2	2.50	"	101		91.3	59.8-120.8				
Vanadium	202	1.00	"	194		104	73.2-117				
Zinc	433	2.50	"	431		100	74.9-121.1				



Metals by ICP/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 BC23005 - EPA 3015A

Blank (BC23005-BLK1)

Prepared & Analyzed: 03/28/2022

Arsenic - Dissolved	ND	1.11	ug/L
Barium - Dissolved	ND	1.11	"
Cadmium - Dissolved	ND	0.556	"
Chromium - Dissolved	ND	1.11	"
Lead - Dissolved	ND	1.11	"
Selenium - Dissolved	ND	1.11	"
Silver - Dissolved	ND	1.11	"

LCS (BC23005-BS1)

Prepared & Analyzed: 03/28/2022

Arsenic - Dissolved	0.050		ug/mL	0.0500	99.4	80-120
Barium - Dissolved	0.053		"	0.0500	106	80-120
Cadmium - Dissolved	0.048		"	0.0500	95.8	80-120
Chromium - Dissolved	0.049		"	0.0500	97.5	80-120
Lead - Dissolved	0.043		"	0.0500	85.9	80-120
Selenium - Dissolved	0.051		"	0.0500	102	80-120
Silver - Dissolved	0.087		"	0.0500	174	80-120 High Bias

Duplicate (BC23005-DUP1)

*Source sample: 22C1331-03 (Duplicate)

Prepared & Analyzed: 03/28/2022

Arsenic - Dissolved	ND	1.11	ug/L	ND		20
Barium - Dissolved	282	1.11	"	287	1.53	20
Cadmium - Dissolved	ND	0.556	"	ND		20
Chromium - Dissolved	816	1.11	"	826	1.15	20
Lead - Dissolved	1.56	1.11	"	1.51	3.26	20
Selenium - Dissolved	227	1.11	"	223	1.83	20
Silver - Dissolved	ND	1.11	"	ND		20

Matrix Spike (BC23005-MS1)

*Source sample: 22C1331-03 (Matrix Spike)

Prepared & Analyzed: 03/28/2022

Arsenic - Dissolved	0.054		ug/mL	0.0500	0.0006	107	75-125
Barium - Dissolved	0.307		"	0.0500	0.258	98.0	75-125
Cadmium - Dissolved	0.044		"	0.0500	0.0002	87.0	75-125
Chromium - Dissolved	0.775		"	0.0500	0.743	63.9	75-125 Low Bias
Lead - Dissolved	0.040		"	0.0500	0.001	77.6	75-125
Selenium - Dissolved	0.256		"	0.0500	0.200	110	75-125
Silver - Dissolved	0.079		"	0.0500	0.000004	157	75-125 High Bias



Mercury by EPA 7000/200 Series Methods - 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 BC22899 - EPA SW846-7470A											
Blank (BC22899-BLK1)								Prepared & Analyzed: 03/24/2022			
Mercury	ND	0.0002	mg/L								
LCS (BC22899-BS1)								Prepared & Analyzed: 03/24/2022			
Mercury	0.0020639	0.0002	mg/L	0.00200		103	80-120				
LCS (BC22899-BS2)								Prepared & Analyzed: 03/24/2022			
Mercury	0.0020273	0.0002	mg/L	0.00200		101	80-120				
Batch BC22901 - EPA SW846-7470A											
Blank (BC22901-BLK1)								Prepared & Analyzed: 03/24/2022			
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BC22901-BS1)								Prepared & Analyzed: 03/24/2022			
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		103	80-120				
LCS (BC22901-BS2)								Prepared & Analyzed: 03/24/2022			
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		100	80-120				
Batch BC23079 - EPA 7473 soil											
Blank (BC23079-BLK1)								Prepared: 03/28/2022 Analyzed: 03/29/2022			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC23079-DUP1)								Prepared: 03/28/2022 Analyzed: 03/29/2022			
Mercury	ND	0.0331	mg/kg dry		ND					35	



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

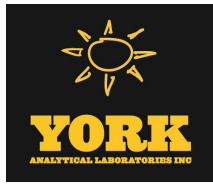
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC23079 - EPA 7473 soil

Matrix Spike (BC23079-MS1)	*Source sample: 22C1316-01 (Matrix Spike)						Prepared: 03/28/2022 Analyzed: 03/29/2022				
Mercury	0.467		mg/kg	0.500	0.00710	91.9	75-125				
Reference (BC23079-SRM1)							Prepared: 03/28/2022 Analyzed: 03/29/2022				
Mercury	27.913		mg/kg	27.2		103	59.9-140.1				

Batch BC23144 - EPA 7473 soil

Blank (BC23144-BLK1)							Prepared & Analyzed: 03/29/2022				
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC23144-DUP1)	*Source sample: 22C1396-02 (SB014_0-2)						Prepared & Analyzed: 03/29/2022				
Mercury	ND	0.0341	mg/kg dry		0.0800					35	
Matrix Spike (BC23144-MS1)	*Source sample: 22C1396-02 (SB014_0-2)						Prepared & Analyzed: 03/29/2022				
Mercury	0.486		mg/kg	0.500	0.0704	83.0	75-125				
Reference (BC23144-SRM1)							Prepared & Analyzed: 03/29/2022				
Mercury	24.760		mg/kg	27.2		91.0	59.9-140.1				



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 BC23246 - % Solids Prep

Duplicate (BC23246-DUP1)		*Source sample: 22C1402-11 (Duplicate)					Prepared: 03/30/2022 Analyzed: 03/31/2022				
% Solids	78.5	0.100	%		75.4			4.05	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
22C1396-01	SB013_0-2	40mL Vial with Stir Bar-Cool 4° C
22C1396-02	SB014_0-2	40mL Vial with Stir Bar-Cool 4° C
22C1396-03	GW007	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
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.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
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.



Field Chain-of-Custody Record

YORK Project No.

27C1396

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.

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		Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: RWGC	Company:	Company:		LIG2001	RUSH - Next Day
Address: 630 Johnson Ave	Address:	Address:			RUSH - Two Day
Bohemia, NY 11716					RUSH - Three Day
Phone: 631-549-6353	Phone:	Phone:		YOUR Project Name	RUSH - Four Day
Contact: Derek Engbak	Contact:	Contact:			Standard (5-7 Day) ☒
E-mail: derek@rwgc.com	E-mail:	E-mail:		YOUR PO#:	

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.

Michael Pecoraro
Michael Pecoraro

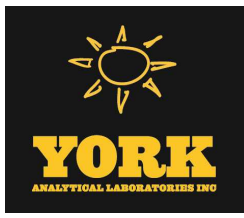
Samples Collected by: (print AND sign your name)

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	☒ Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	☐ QA Report	
DW - drinking water	Connecticut	☐ NY ASP A Package	
WW - wastewater	Pennsylvania	☒ NY ASP B Package	
O - Oil Other	Other:	☐ NJDEP Reduced Deliverables	
		☐ NJDKQP	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SB012- SB013- 0-2	S	3/24/22 0910	TCL VOCs, TCL SVOCs, TAL Metals	Terracore, 8 oz glass
SB014- 0-2	↓	1010	↓ ↓ ↓	↓ ↓
GW007	GW	0915	TCL VOCs, TCL SVOCs, ELCA Metals (Total, dissolved)	340mL HNO ₃ 1mg/L
(Signature)				

Comments:	Preservation: (check all that apply)	Special Instruction
1 liter recovery for SVOCs for GW007 Lab to filter.	HCl ☐ MeOH ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ ZnAc ☐ Ascorbic Acid ☐ Other: ☐	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
Michael Pecoraro RWGC	3/24/22 1118	Andrew S. York	3/24/22 1148	Andrew S. York	3/24/22 1624
Samples Received by / Company	Date/Time	3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
Ivan B	3/24/22 1624	Ivan B	3/24/22 1936		
Samples Relinquished by / Company	Date/Time	4. Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time Temperature
				TC Yall	3/24/22 1936 3.2 Degrees C



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Ave, Suite 7

Bohemia NY, 11716

Attention: Derek Ersbak

Report Date: 04/05/2022

Client Project ID: LIG2201

York Project (SDG) No.: 22C1405



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: 04/05/2022
Client Project ID: LIG2201
York Project (SDG) No.: 22C1405

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

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 24, 2022 and listed below. The project was identified as your project: **LIG2201**.

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>
22C1405-01	SS001	Soil Vapor	03/24/2022	03/24/2022
22C1405-02	SS002	Soil Vapor	03/24/2022	03/24/2022
22C1405-03	SS003	Soil Vapor	03/24/2022	03/24/2022
22C1405-04	SS004	Soil Vapor	03/24/2022	03/24/2022
22C1405-05	SS005	Soil Vapor	03/24/2022	03/24/2022
22C1405-06	IA001	Indoor Ambient Air	03/24/2022	03/24/2022
22C1405-07	IA002	Indoor Ambient Air	03/24/2022	03/24/2022
22C1405-08	IA003	Indoor Ambient Air	03/24/2022	03/24/2022

General Notes for York Project (SDG) No.: 22C1405

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.

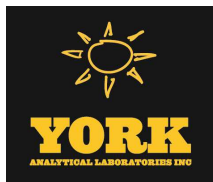
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 04/05/2022





Sample Information

Client Sample ID: SS001

York Sample ID: 22C1405-01

York Project (SDG) No.

22C1405

Client Project ID

LIG2201

Matrix

Soil Vapor

Collection Date/Time

March 24, 2022 10:40 am

Date Received

03/24/2022

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	12.6	18.32	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:04	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	10.0	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12.6	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14.0	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	10.0	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.41	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	3.63	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13.6	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	9.01	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14.1	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	11.0	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.41	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.47	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12.8	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	9.01	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	12.2	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	11.0	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	8.47	18.32	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:04	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	11.0	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	13.2	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
78-93-3	2-Butanone	26.5		ug/m ³	5.40	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ



Sample Information

Client Sample ID: SS001

York Sample ID: 22C1405-01

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:40 am

Date Received
03/24/2022

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		ug/m ³	15.0	18.32	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:04	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	28.7	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.50	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
67-64-1	Acetone	676		ug/m ³	8.70	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	3.98	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
71-43-2	Benzene	ND		ug/m ³	5.85	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	9.48	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	12.3	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
75-25-2	Bromoform	ND		ug/m ³	18.9	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
74-83-9	Bromomethane	ND		ug/m ³	7.11	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	5.71	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.88	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	8.43	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
75-00-3	Chloroethane	ND		ug/m ³	4.83	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
67-66-3	Chloroform	9.84		ug/m ³	8.94	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
74-87-3	Chloromethane	ND		ug/m ³	3.78	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
156-59-2	cis-1,2-Dichloroethylene	1180		ug/m ³	3.63	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.31	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	6.31	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	15.6	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	9.06	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	13.2	18.32	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:04	LLJ



Sample Information

Client Sample ID: SS001

York Sample ID: 22C1405-01

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:40 am

Date Received
03/24/2022

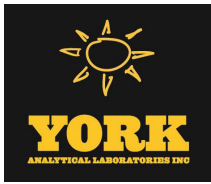
Volatile Organics, TO15 Full

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	7.96	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	19.5	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
67-63-0	Isopropanol	34.7	B	ug/m ³	27.0	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.50	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.60	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	12.7	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
142-82-5	n-Heptane	ND		ug/m ³	7.51	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
110-54-3	n-Hexane	45.2		ug/m ³	6.46	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
95-47-6	o-Xylene	ND		ug/m ³	7.95	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	15.9	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	9.01	18.32	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:04	LLJ
115-07-1	* Propylene	ND		ug/m ³	3.15	18.32	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:04	LLJ
100-42-5	Styrene	ND		ug/m ³	7.80	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
127-18-4	Tetrachloroethylene	39000		ug/m ³	477	702.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 20:24	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	10.8	18.32	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:04	LLJ
108-88-3	Toluene	13.1		ug/m ³	6.90	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
156-60-5	trans-1,2-Dichloroethylene	10.9		ug/m ³	7.26	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.31	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
79-01-6	Trichloroethylene	1570		ug/m ³	2.46	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	10.3	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	6.45	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	8.01	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ



Sample Information

Client Sample ID: SS001

York Sample ID: 22C1405-01

York Project (SDG) No.

22C1405

Client Project ID

LIG2201

Matrix

Soil Vapor

Collection Date/Time

March 24, 2022 10:40 am

Date Received

03/24/2022

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	2.81		ug/m ³	2.34	18.32	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:04	LLJ



Sample Information

Client Sample ID: SS002

York Sample ID: 22C1405-02

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 9:52 am

Date Received
03/24/2022

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	60.2	IS-LO	ug/m ³	12.5	18.28	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:51	LLJ
71-55-6	1,1,1-Trichloroethane	179		ug/m ³	9.97	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	ug/m ³	12.5	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14.0	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.97	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.40	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
75-35-4	1,1-Dichloroethylene	81.9		ug/m ³	3.62	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	ug/m ³	13.6	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	ug/m ³	8.99	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14.0	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	ug/m ³	11.0	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.40	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.45	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12.8	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	ug/m ³	8.99	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	12.1	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	ug/m ³	11.0	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	8.45	18.28	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:51	LLJ
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	ug/m ³	11.0	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	13.2	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
78-93-3	2-Butanone	30.7		ug/m ³	5.39	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
591-78-6	* 2-Hexanone	22.5		ug/m ³	15.0	18.28	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:51	LLJ



Sample Information

Client Sample ID: SS002

York Sample ID: 22C1405-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Soil Vapor

March 24, 2022 9:52 am

03/24/2022

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	28.6	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.49	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
67-64-1	Acetone	496		ug/m ³	8.68	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	3.97	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
71-43-2	Benzene	ND		ug/m ³	5.84	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
100-44-7	Benzyl chloride	ND	IS-LO	ug/m ³	9.46	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	12.2	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
75-25-2	Bromoform	ND	IS-LO	ug/m ³	18.9	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
74-83-9	Bromomethane	ND		ug/m ³	7.10	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
75-15-0	Carbon disulfide	55.8		ug/m ³	5.69	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.88	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
108-90-7	Chlorobenzene	16.8	IS-LO	ug/m ³	8.42	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
75-00-3	Chloroethane	ND		ug/m ³	4.82	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
67-66-3	Chloroform	115		ug/m ³	8.93	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
74-87-3	Chloromethane	ND		ug/m ³	3.77	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
156-59-2	cis-1,2-Dichloroethylene	45300		ug/m ³	362	1828	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 18:19	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.30	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	6.29	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	15.6	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	9.04	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	13.2	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
100-41-4	Ethyl Benzene	ND	IS-LO	ug/m ³	7.94	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ



Sample Information

Client Sample ID: SS002

York Sample ID: 22C1405-02

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 9:52 am

Date Received
03/24/2022

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	IS-LO	ug/m ³	19.5	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
67-63-0	Isopropanol	27.0	B	ug/m ³	27.0	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.48	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.59	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	12.7	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
142-82-5	n-Heptane	ND		ug/m ³	7.49	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
110-54-3	n-Hexane	101		ug/m ³	6.44	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
95-47-6	o-Xylene	ND	IS-LO	ug/m ³	7.94	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
179601-23-1	p- & m- Xylenes	ND	IS-LO	ug/m ³	15.9	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
622-96-8	* p-Ethyltoluene	ND	IS-LO	ug/m ³	8.99	18.28	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:51	LLJ
115-07-1	* Propylene	12.0		ug/m ³	3.15	18.28	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:51	LLJ
100-42-5	Styrene	ND	IS-LO	ug/m ³	7.79	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
127-18-4	Tetrachloroethylene	1010000	TO-LCS -H	ug/m ³	3100	4570	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 13:08	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	10.8	18.28	EPA TO-15 Certifications:	03/29/2022 20:00	03/30/2022 06:51	LLJ
108-88-3	Toluene	13.1		ug/m ³	6.89	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
156-60-5	trans-1,2-Dichloroethylene	198		ug/m ³	7.25	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.30	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
79-01-6	Trichloroethylene	8740		ug/m ³	246	1828	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 18:19	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	10.3	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	6.44	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	8.00	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ
75-01-4	Vinyl Chloride	990		ug/m ³	2.34	18.28	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 06:51	LLJ



Sample Information

Client Sample ID: SS002

York Sample ID: 22C1405-02

York Project (SDG) No.

22C1405

Client Project ID

LIG2201

Matrix

Soil Vapor

Collection Date/Time

March 24, 2022 9:52 am

Date Received

03/24/2022



Sample Information

Client Sample ID: SS003

York Sample ID: 22C1405-03

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:02 am

Date Received
03/24/2022

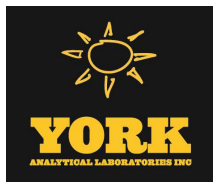
Volatile Organics, TO15 Full

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	2.36	3.442	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 16:30	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.88	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.36	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.64	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.88	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.39	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.682	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.55	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
95-63-6	1,2,4-Trimethylbenzene	44.5		ug/m ³	1.69	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.64	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.07	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.39	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.59	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.41	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
108-67-8	1,3,5-Trimethylbenzene	25.9		ug/m ³	1.69	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.28	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.07	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.59	3.442	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 16:30	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.07	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.48	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
78-93-3	2-Butanone	39.3		ug/m ³	1.02	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
591-78-6	* 2-Hexanone	10.3		ug/m ³	2.82	3.442	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 16:30	LLJ



Sample Information

Client Sample ID: SS003

York Sample ID: 22C1405-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Soil Vapor

March 24, 2022 10:02 am

03/24/2022

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	5.39	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.41	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
67-64-1	Acetone	695		ug/m ³	8.18	17.21	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/29/2022 20:00	03/30/2022 07:37	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.747	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
71-43-2	Benzene	4.62		ug/m ³	1.10	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.78	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.31	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-25-2	Bromoform	ND		ug/m ³	3.56	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
74-83-9	Bromomethane	ND		ug/m ³	1.34	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	1.07	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.541	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.58	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.908	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
67-66-3	Chloroform	9.24		ug/m ³	1.68	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
74-87-3	Chloromethane	1.35		ug/m ³	0.711	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
156-59-2	cis-1,2-Dichloroethylene	6.00		ug/m ³	0.682	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.56	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
110-82-7	Cyclohexane	1.54		ug/m ³	1.18	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	2.93	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-71-8	Dichlorodifluoromethane	2.21		ug/m ³	1.70	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
141-78-6	* Ethyl acetate	4.71		ug/m ³	2.48	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
100-41-4	Ethyl Benzene	6.43		ug/m ³	1.49	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ



Sample Information

Client Sample ID: SS003

York Sample ID: 22C1405-03

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:02 am

Date Received
03/24/2022

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	3.67	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
67-63-0	Isopropanol	3.13		ug/m ³	1.69	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.41	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.24	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	2.39	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
142-82-5	n-Heptane	2.68		ug/m ³	1.41	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
110-54-3	n-Hexane	106		ug/m ³	1.21	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
95-47-6	o-Xylene	14.9		ug/m ³	1.49	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
179601-23-1	p- & m- Xylenes	25.6		ug/m ³	2.99	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
622-96-8	* p-Ethyltoluene	40.1		ug/m ³	1.69	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.592	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
100-42-5	Styrene	ND		ug/m ³	1.47	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
127-18-4	Tetrachloroethylene	458		ug/m ³	2.33	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.03	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
108-88-3	Toluene	9.21		ug/m ³	1.30	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.36	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.56	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
79-01-6	Trichloroethylene	7.77		ug/m ³	0.462	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.93	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.21	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.51	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.440	3.442	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 16:30	LLJ



Sample Information

Client Sample ID: SS003

York Sample ID: 22C1405-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Soil Vapor

March 24, 2022 10:02 am

03/24/2022



Sample Information

Client Sample ID: SS004

York Sample ID: 22C1405-04

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:17 am

Date Received
03/24/2022

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	2.08	3.028	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 17:29	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.65	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.08	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.32	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.65	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.23	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.600	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.25	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
95-63-6	1,2,4-Trimethylbenzene	4.76		ug/m ³	1.49	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.33	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.82	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.23	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.40	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.12	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
108-67-8	1,3,5-Trimethylbenzene	1.64		ug/m ³	1.49	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.01	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.82	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.40	3.028	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 17:29	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.82	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.18	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
78-93-3	2-Butanone	98.6		ug/m ³	0.893	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
591-78-6	* 2-Hexanone	18.1		ug/m ³	2.48	3.028	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 17:29	LLJ



Sample Information

Client Sample ID: SS004

York Sample ID: 22C1405-04

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:17 am

Date Received
03/24/2022

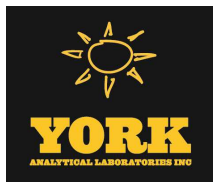
Volatile Organics, TO15 Full

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	4.74	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
108-10-1	4-Methyl-2-pentanone	2.73		ug/m ³	1.24	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
67-64-1	Acetone	258		ug/m ³	1.44	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.657	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
71-43-2	Benzene	3.97		ug/m ³	0.967	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.57	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.03	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-25-2	Bromoform	ND		ug/m ³	3.13	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
74-83-9	Bromomethane	ND		ug/m ³	1.18	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.943	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.476	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.39	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.799	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
67-66-3	Chloroform	1.63		ug/m ³	1.48	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.625	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.600	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.37	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	1.04	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	2.58	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-71-8	Dichlorodifluoromethane	3.14		ug/m ³	1.50	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
141-78-6	* Ethyl acetate	3.16		ug/m ³	2.18	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
100-41-4	Ethyl Benzene	3.29		ug/m ³	1.31	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ



Sample Information

Client Sample ID: SS004

York Sample ID: 22C1405-04

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:17 am

Date Received
03/24/2022

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	3.23	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
67-63-0	Isopropanol	5.95		ug/m ³	1.49	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.24	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.09	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	2.10	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
142-82-5	n-Heptane	1.61		ug/m ³	1.24	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
110-54-3	n-Hexane	66.1		ug/m ³	1.07	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
95-47-6	o-Xylene	5.65		ug/m ³	1.31	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
179601-23-1	p- & m- Xylenes	14.7		ug/m ³	2.63	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
622-96-8	* p-Ethyltoluene	5.21		ug/m ³	1.49	3.028	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 17:29	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.521	3.028	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 17:29	LLJ
100-42-5	Styrene	ND		ug/m ³	1.29	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
127-18-4	Tetrachloroethylene	70.0		ug/m ³	2.05	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
109-99-9	* Tetrahydrofuran	2.32		ug/m ³	1.79	3.028	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 17:29	LLJ
108-88-3	Toluene	17.2		ug/m ³	1.14	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.20	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.37	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
79-01-6	Trichloroethylene	1.14		ug/m ³	0.407	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.70	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.07	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.32	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.387	3.028	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 17:29	LLJ



Sample Information

Client Sample ID: SS004

York Sample ID: 22C1405-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Soil Vapor

March 24, 2022 10:17 am

03/24/2022



Sample Information

Client Sample ID: SS005

York Sample ID: 22C1405-05

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:35 am

Date Received
03/24/2022

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	2.61	3.8	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 18:29	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	2.07	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.61	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.91	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	2.07	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.54	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.753	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.82	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
95-63-6	1,2,4-Trimethylbenzene	6.54		ug/m ³	1.87	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.92	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.28	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.54	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.76	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.66	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
108-67-8	1,3,5-Trimethylbenzene	2.05		ug/m ³	1.87	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.52	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.28	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.76	3.8	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 18:29	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.28	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.74	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
78-93-3	2-Butanone	25.9		ug/m ³	1.12	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
591-78-6	* 2-Hexanone	5.29		ug/m ³	3.11	3.8	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 18:29	LLJ



Sample Information

Client Sample ID: SS005

York Sample ID: 22C1405-05

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:35 am

Date Received
03/24/2022

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	5.95	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.56	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
67-64-1	Acetone	20.9		ug/m ³	1.81	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.825	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
71-43-2	Benzene	ND		ug/m ³	1.21	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.97	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.55	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-25-2	Bromoform	ND		ug/m ³	3.93	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
74-83-9	Bromomethane	ND		ug/m ³	1.48	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	1.18	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.598	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.75	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-00-3	Chloroethane	ND		ug/m ³	1.00	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
67-66-3	Chloroform	5.01		ug/m ³	1.86	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.785	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.753	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.72	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	1.31	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	3.24	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-71-8	Dichlorodifluoromethane	3.76		ug/m ³	1.88	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	2.74	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
100-41-4	Ethyl Benzene	1.82		ug/m ³	1.65	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ



Sample Information

Client Sample ID: SS005

York Sample ID: 22C1405-05

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Soil Vapor

Collection Date/Time
March 24, 2022 10:35 am

Date Received
03/24/2022

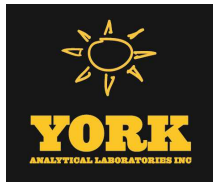
Volatile Organics, TO15 Full

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	4.05	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
67-63-0	Isopropanol	2.99		ug/m ³	1.87	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.56	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.37	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	2.64	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
142-82-5	n-Heptane	ND		ug/m ³	1.56	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
110-54-3	n-Hexane	4.15		ug/m ³	1.34	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
95-47-6	o-Xylene	3.30		ug/m ³	1.65	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
179601-23-1	p- & m- Xylenes	8.91		ug/m ³	3.30	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
622-96-8	* p-Ethyltoluene	4.86		ug/m ³	1.87	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.654	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
100-42-5	Styrene	ND		ug/m ³	1.62	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
127-18-4	Tetrachloroethylene	67.8		ug/m ³	2.58	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.24	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
108-88-3	Toluene	6.16		ug/m ³	1.43	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.51	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.72	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.511	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	2.14	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.34	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.66	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.486	3.8	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 18:29	LLJ



Sample Information

Client Sample ID: SS005

York Sample ID: 22C1405-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Soil Vapor

March 24, 2022 10:35 am

03/24/2022



Sample Information

Client Sample ID: IA001

York Sample ID: 22C1405-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Indoor Ambient Air

March 24, 2022 9:59 am

03/24/2022

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	0.616	0.898	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 12:13	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.490	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.616	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.688		ug/m ³	0.688	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.490	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.363	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.178	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.666	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.441	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.690	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.540	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.363	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.415	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.628	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.441	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.596	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.540	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.415	0.898	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 12:13	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.540	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.647	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
78-93-3	2-Butanone	0.715		ug/m ³	0.265	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.736	0.898	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 12:13	LLJ



Sample Information

Client Sample ID: IA001

York Sample ID: 22C1405-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Indoor Ambient Air

March 24, 2022 9:59 am

03/24/2022

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	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.368	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
67-64-1	Acetone	104		ug/m ³	0.427	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.195	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
71-43-2	Benzene	0.775		ug/m ³	0.287	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.465	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.602	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.928	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.349	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.280	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
56-23-5	Carbon tetrachloride	0.395		ug/m ³	0.141	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.413	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.237	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.438	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
74-87-3	Chloromethane	1.28		ug/m ³	0.185	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.926		ug/m ³	0.178	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.408	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.309	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.765	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-71-8	Dichlorodifluoromethane	2.26		ug/m ³	0.444	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
141-78-6	* Ethyl acetate	1.71		ug/m ³	0.647	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	0.390	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ



Sample Information

Client Sample ID: IA001

York Sample ID: 22C1405-06

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Indoor Ambient Air

Collection Date/Time
March 24, 2022 9:59 am

Date Received
03/24/2022

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	0.958	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
67-63-0	Isopropanol	13.3		ug/m ³	0.441	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.368	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.324	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	0.624	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.368	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
110-54-3	n-Hexane	0.443		ug/m ³	0.317	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.390	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.780	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.441	0.898	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 12:13	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.155	0.898	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 12:13	LLJ
100-42-5	Styrene	ND		ug/m ³	0.383	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
127-18-4	Tetrachloroethylene	104		ug/m ³	0.609	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.530	0.898	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 12:13	LLJ
108-88-3	Toluene	1.29		ug/m ³	0.338	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.356	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.408	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
79-01-6	Trichloroethylene	0.676		ug/m ³	0.121	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.21		ug/m ³	0.505	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.316	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.393	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.115	0.898	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 12:13	LLJ



Sample Information

Client Sample ID: **IA001**

York Sample ID: **22C1405-06**

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Indoor Ambient Air

March 24, 2022 9:59 am

03/24/2022



Sample Information

Client Sample ID: IA002

York Sample ID: 22C1405-07

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Indoor Ambient Air

Collection Date/Time
March 24, 2022 10:20 am

Date Received
03/24/2022

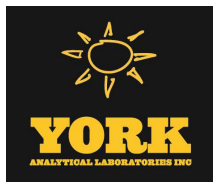
Volatile Organics, TO15 Full

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	0.561	0.817	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 13:22	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.446	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.561	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.751		ug/m ³	0.626	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.446	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.331	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.162	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.606	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.402	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.628	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.491	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.331	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.378	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.571	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.402	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.542	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.491	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.378	0.817	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 13:22	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.491	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.589	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
78-93-3	2-Butanone	0.458		ug/m ³	0.241	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.669	0.817	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 13:22	LLJ



Sample Information

Client Sample ID: IA002

York Sample ID: 22C1405-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Indoor Ambient Air

March 24, 2022 10:20 am

03/24/2022

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	1.28	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.335	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
67-64-1	Acetone	10.9		ug/m ³	0.388	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.177	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
71-43-2	Benzene	0.861		ug/m ³	0.261	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.423	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.547	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.845	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.317	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.254	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
56-23-5	Carbon tetrachloride	0.360		ug/m ³	0.128	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.376	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.216	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.399	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
74-87-3	Chloromethane	1.25		ug/m ³	0.169	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.162	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.371	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.281	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.696	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-71-8	Dichlorodifluoromethane	2.26		ug/m ³	0.404	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	0.589	0.817	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 13:22	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	0.355	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ



Sample Information

Client Sample ID: IA002

York Sample ID: 22C1405-07

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Indoor Ambient Air

Collection Date/Time
March 24, 2022 10:20 am

Date Received
03/24/2022

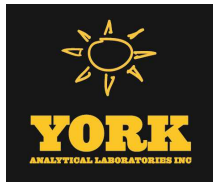
Volatile Organics, TO15 Full

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	0.871	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
67-63-0	Isopropanol	11.5		ug/m ³	0.402	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.334	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.295	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-09-2	Methylene chloride	0.795		ug/m ³	0.568	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.335	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
110-54-3	n-Hexane	0.403		ug/m ³	0.288	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.355	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.709	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.402	0.817	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 13:22	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.141	0.817	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 13:22	LLJ
100-42-5	Styrene	ND		ug/m ³	0.348	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
127-18-4	Tetrachloroethylene	19.1		ug/m ³	0.554	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.482	0.817	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 13:22	LLJ
108-88-3	Toluene	1.08		ug/m ³	0.308	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.324	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.371	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
79-01-6	Trichloroethylene	0.527		ug/m ³	0.110	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.29		ug/m ³	0.459	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.288	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.357	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.104	0.817	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 13:22	LLJ



Sample Information

Client Sample ID: **IA002**

York Sample ID: **22C1405-07**

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Indoor Ambient Air

March 24, 2022 10:20 am

03/24/2022



Sample Information

Client Sample ID: IA003

York Sample ID: 22C1405-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Indoor Ambient Air

March 24, 2022 11:38 am

03/24/2022

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	0.595	0.867	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 15:31	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.473	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.595	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.664		ug/m ³	0.664	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.473	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.351	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.172	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.643	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.426	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.666	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.521	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.351	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.401	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.606	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.426	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.575	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.521	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.401	0.867	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 15:31	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.521	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.625	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
78-93-3	2-Butanone	2.48		ug/m ³	0.256	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.710	0.867	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 15:31	LLJ



Sample Information

Client Sample ID: IA003

York Sample ID: 22C1405-08

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Indoor Ambient Air

Collection Date/Time
March 24, 2022 11:38 am

Date Received
03/24/2022

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	1.36	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.355	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
67-64-1	Acetone	26.5		ug/m ³	0.412	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.188	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
71-43-2	Benzene	0.886		ug/m ³	0.277	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.449	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.581	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.896	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.337	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.270	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
56-23-5	Carbon tetrachloride	0.491		ug/m ³	0.136	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.399	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.229	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
67-66-3	Chloroform	4.23		ug/m ³	0.423	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
74-87-3	Chloromethane	4.49		ug/m ³	0.179	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
156-59-2	cis-1,2-Dichloroethylene	1.34		ug/m ³	0.172	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.394	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
110-82-7	Cyclohexane	0.388		ug/m ³	0.298	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.739	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-71-8	Dichlorodifluoromethane	2.74		ug/m ³	0.429	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
141-78-6	* Ethyl acetate	8.59		ug/m ³	0.625	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	0.376	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ



Sample Information

Client Sample ID: IA003

York Sample ID: 22C1405-08

York Project (SDG) No.
22C1405

Client Project ID
LIG2201

Matrix
Indoor Ambient Air

Collection Date/Time
March 24, 2022 11:38 am

Date Received
03/24/2022

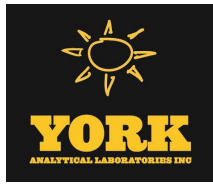
Volatile Organics, TO15 Full

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	0.925	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
67-63-0	Isopropanol	14.2		ug/m ³	0.426	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
80-62-6	Methyl Methacrylate	0.390		ug/m ³	0.355	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.313	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-09-2	Methylene chloride	0.783		ug/m ³	0.602	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
142-82-5	n-Heptane	0.533		ug/m ³	0.355	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
110-54-3	n-Hexane	0.856		ug/m ³	0.306	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.376	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.753	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.426	0.867	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 15:31	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.149	0.867	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 15:31	LLJ
100-42-5	Styrene	ND		ug/m ³	0.369	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
127-18-4	Tetrachloroethylene	3.41		ug/m ³	0.588	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
109-99-9	* Tetrahydrofuran	0.716		ug/m ³	0.511	0.867	EPA TO-15 Certifications:	03/31/2022 20:00	04/01/2022 15:31	LLJ
108-88-3	Toluene	1.96		ug/m ³	0.327	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.344	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.394	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
79-01-6	Trichloroethylene	0.466		ug/m ³	0.116	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.46		ug/m ³	0.487	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.305	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.379	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.111	0.867	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/31/2022 20:00	04/01/2022 15:31	LLJ



Sample Information

Client Sample ID: **IA003**

York Sample ID: **22C1405-08**

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1405

LIG2201

Indoor Ambient Air

March 24, 2022 11:38 am

03/24/2022



Analytical Batch Summary

Batch ID: BC23247 **Preparation Method:** EPA TO15 PREP **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
22C1405-01	SS001	03/29/22
22C1405-02	SS002	03/29/22
22C1405-02RE1	SS002	03/29/22
22C1405-03RE1	SS003	03/29/22
BC23247-BLK1	Blank	03/29/22
BC23247-BS1	LCS	03/29/22

Batch ID: BC23248 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
22C1405-01RE1	SS001	03/31/22
22C1405-03	SS003	03/31/22
22C1405-04	SS004	03/31/22
22C1405-05	SS005	03/31/22
22C1405-06	IA001	03/31/22
22C1405-07	IA002	03/31/22
22C1405-08	IA003	03/31/22
BC23248-BLK1	Blank	03/31/22
BC23248-BS1	LCS	03/31/22
BC23248-DUP1	Duplicate	03/31/22

Batch ID: BD20084 **Preparation Method:** EPA TO15 PREP **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
22C1405-02RE2	SS002	04/02/22
BD20084-BLK1	Blank	04/02/22
BD20084-BS1	LCS	04/02/22
BD20084-DUP1	Duplicate	04/02/22



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 BC23247 - EPA TO15 PREP

Blank (BC23247-BLK1)

Prepared: 03/29/2022 Analyzed: 03/30/2022

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	1.40	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 BC23247 - EPA TO15 PREP

Blank (BC23247-BLK1)

Prepared: 03/29/2022 Analyzed: 03/30/2022

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 (BC23247-BS1)

Prepared: 03/29/2022 Analyzed: 03/30/2022

1,1,1,2-Tetrachloroethane	10.5		ppbv	10.0	105	70-130
1,1,1-Trichloroethane	9.56		"	10.0	95.6	70-130
1,1,2,2-Tetrachloroethane	11.0		"	10.0	110	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.68		"	10.0	96.8	70-130
1,1,2-Trichloroethane	10.6		"	10.0	106	70-130
1,1-Dichloroethane	9.73		"	10.0	97.3	70-130
1,1-Dichloroethylene	9.67		"	10.0	96.7	70-130
1,2,4-Trichlorobenzene	9.48		"	10.0	94.8	70-130
1,2,4-Trimethylbenzene	11.2		"	10.0	112	70-130
1,2-Dibromoethane	10.2		"	10.0	102	70-130
1,2-Dichlorobenzene	11.8		"	10.0	118	70-130
1,2-Dichloroethane	9.59		"	10.0	95.9	70-130
1,2-Dichloropropane	10.3		"	10.0	103	70-130
1,2-Dichlorotetrafluoroethane	10.1		"	10.0	101	70-130
1,3,5-Trimethylbenzene	10.8		"	10.0	108	70-130
1,3-Butadiene	9.49		"	10.0	94.9	70-130
1,3-Dichlorobenzene	12.2		"	10.0	122	70-130
1,3-Dichloropropane	10.2		"	10.0	102	70-130
1,4-Dichlorobenzene	9.29		"	10.0	92.9	70-130
1,4-Dioxane	9.11		"	10.0	91.1	70-130
2-Butanone	9.63		"	10.0	96.3	70-130
2-Hexanone	10.9		"	10.0	109	70-130
3-Chloropropene	10.1		"	10.0	101	70-130
4-Methyl-2-pentanone	9.98		"	10.0	99.8	70-130
Acetone	8.08		"	10.0	80.8	70-130
Acrylonitrile	10.1		"	10.0	101	70-130
Benzene	9.71		"	10.0	97.1	70-130
Benzyl chloride	8.06		"	10.0	80.6	70-130
Bromodichloromethane	10.3		"	10.0	103	70-130
Bromoform	11.3		"	10.0	113	70-130
Bromomethane	15.7		"	10.0	157	70-130
Carbon disulfide	9.69		"	10.0	96.9	70-130
Carbon tetrachloride	9.52		"	10.0	95.2	70-130

High Bias





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 BC23247 - EPA TO15 PREP

LCS (BC23247-BS1)

Prepared: 03/29/2022 Analyzed: 03/30/2022

Chlorobenzene	10.0		ppbv	10.0		100	70-130				
Chloroethane	14.5		"	10.0		145	70-130	High Bias			
Chloroform	9.72		"	10.0		97.2	70-130				
Chloromethane	8.42		"	10.0		84.2	70-130				
cis-1,2-Dichloroethylene	8.85		"	10.0		88.5	70-130				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Cyclohexane	9.70		"	10.0		97.0	70-130				
Dibromochloromethane	10.4		"	10.0		104	70-130				
Dichlorodifluoromethane	12.3		"	10.0		123	70-130				
Ethyl acetate	9.85		"	10.0		98.5	70-130				
Ethyl Benzene	10.1		"	10.0		101	70-130				
Hexachlorobutadiene	13.2		"	10.0		132	70-130	High Bias			
Isopropanol	9.90		"	10.0		99.0	70-130				
Methyl Methacrylate	9.97		"	10.0		99.7	70-130				
Methyl tert-butyl ether (MTBE)	9.85		"	10.0		98.5	70-130				
Methylene chloride	9.35		"	10.0		93.5	70-130				
n-Heptane	10.6		"	10.0		106	70-130				
n-Hexane	10.1		"	10.0		101	70-130				
o-Xylene	10.8		"	10.0		108	70-130				
p- & m- Xylenes	22.3		"	20.0		111	70-130				
p-Ethyltoluene	11.3		"	10.0		113	70-130				
Propylene	12.0		"	10.0		120	70-130				
Styrene	11.3		"	10.0		113	70-130				
Tetrachloroethylene	10.3		"	10.0		103	70-130				
Tetrahydrofuran	9.72		"	10.0		97.2	70-130				
Toluene	9.88		"	10.0		98.8	70-130				
trans-1,2-Dichloroethylene	9.90		"	10.0		99.0	70-130				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Trichloroethylene	9.56		"	10.0		95.6	70-130				
Trichlorofluoromethane (Freon 11)	9.87		"	10.0		98.7	70-130				
Vinyl acetate	8.06		"	10.0		80.6	70-130				
Vinyl bromide	9.99		"	10.0		99.9	70-130				
Vinyl Chloride	8.15		"	10.0		81.5	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 BC23248 - EPA TO15 PREP

Blank (BC23248-BLK1)

Prepared: 03/31/2022 Analyzed: 04/01/2022

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	"
n-Hexane	ND	0.352	"



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 BC23248 - EPA TO15 PREP

Blank (BC23248-BLK1)

Prepared: 03/31/2022 Analyzed: 04/01/2022

o-Xylene	ND	0.434	ug/m ³
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 (BC23248-BS1)

Prepared & Analyzed: 03/31/2022

1,1,1,2-Tetrachloroethane	8.76		ppbv	10.0	87.6	70-130	
1,1,1-Trichloroethane	9.91		"	10.0	99.1	70-130	
1,1,2,2-Tetrachloroethane	8.96		"	10.0	89.6	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0	117	70-130	
1,1,2-Trichloroethane	9.53		"	10.0	95.3	70-130	
1,1-Dichloroethane	10.4		"	10.0	104	70-130	
1,1-Dichloroethylene	9.16		"	10.0	91.6	70-130	
1,2,4-Trichlorobenzene	7.28		"	10.0	72.8	70-130	
1,2,4-Trimethylbenzene	7.50		"	10.0	75.0	70-130	
1,2-Dibromoethane	9.12		"	10.0	91.2	70-130	
1,2-Dichlorobenzene	7.42		"	10.0	74.2	70-130	
1,2-Dichloroethane	8.26		"	10.0	82.6	70-130	
1,2-Dichloropropane	8.86		"	10.0	88.6	70-130	
1,2-Dichlorotetrafluoroethane	11.1		"	10.0	111	70-130	
1,3,5-Trimethylbenzene	7.48		"	10.0	74.8	70-130	
1,3-Butadiene	9.09		"	10.0	90.9	70-130	
1,3-Dichlorobenzene	7.78		"	10.0	77.8	70-130	
1,3-Dichloropropane	8.95		"	10.0	89.5	70-130	
1,4-Dichlorobenzene	7.80		"	10.0	78.0	70-130	
1,4-Dioxane	9.88		"	10.0	98.8	70-130	
2-Butanone	9.44		"	10.0	94.4	70-130	
2-Hexanone	6.10		"	10.0	61.0	70-130	Low Bias
3-Chloropropene	10.1		"	10.0	101	70-130	
4-Methyl-2-pentanone	6.49		"	10.0	64.9	70-130	Low Bias
Acetone	8.94		"	10.0	89.4	70-130	
Acrylonitrile	8.99		"	10.0	89.9	70-130	
Benzene	11.8		"	10.0	118	70-130	
Benzyl chloride	8.33		"	10.0	83.3	70-130	
Bromodichloromethane	8.25		"	10.0	82.5	70-130	
Bromoform	9.18		"	10.0	91.8	70-130	
Bromomethane	10.7		"	10.0	107	70-130	
Carbon disulfide	12.4		"	10.0	124	70-130	
Carbon tetrachloride	9.34		"	10.0	93.4	70-130	
Chlorobenzene	8.03		"	10.0	80.3	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 BC23248 - EPA TO15 PREP

LCS (BC23248-BS1)

Prepared & Analyzed: 03/31/2022

Chloroethane	10.7		ppbv	10.0		107	70-130				
Chloroform	10.3		"	10.0		103	70-130				
Chloromethane	9.80		"	10.0		98.0	70-130				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	70-130				
cis-1,3-Dichloropropylene	9.35		"	10.0		93.5	70-130				
Cyclohexane	11.6		"	10.0		116	70-130				
Dibromochloromethane	8.63		"	10.0		86.3	70-130				
Dichlorodifluoromethane	9.64		"	10.0		96.4	70-130				
Ethyl acetate	9.14		"	10.0		91.4	70-130				
Ethyl Benzene	7.74		"	10.0		77.4	70-130				
Hexachlorobutadiene	7.74		"	10.0		77.4	70-130				
Isopropanol	9.63		"	10.0		96.3	70-130				
Methyl Methacrylate	9.40		"	10.0		94.0	70-130				
Methyl tert-butyl ether (MTBE)	9.33		"	10.0		93.3	70-130				
Methylene chloride	9.13		"	10.0		91.3	70-130				
n-Heptane	9.97		"	10.0		99.7	70-130				
n-Hexane	11.8		"	10.0		118	70-130				
o-Xylene	7.53		"	10.0		75.3	70-130				
p- & m- Xylenes	15.1		"	20.0		75.4	70-130				
p-Ethyltoluene	7.98		"	10.0		79.8	70-130				
Propylene	9.94		"	10.0		99.4	70-130				
Styrene	8.25		"	10.0		82.5	70-130				
Tetrachloroethylene	9.28		"	10.0		92.8	70-130				
Tetrahydrofuran	9.92		"	10.0		99.2	70-130				
Toluene	8.42		"	10.0		84.2	70-130				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	70-130				
trans-1,3-Dichloropropylene	8.63		"	10.0		86.3	70-130				
Trichloroethylene	7.93		"	10.0		79.3	70-130				
Trichlorofluoromethane (Freon 11)	9.68		"	10.0		96.8	70-130				
Vinyl acetate	9.34		"	10.0		93.4	70-130				
Vinyl bromide	12.9		"	10.0		129	70-130				
Vinyl Chloride	10.3		"	10.0		103	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 BC23248 - EPA TO15 PREP											
Duplicate (BC23248-DUP1)	*Source sample: 22C1405-05 (SS005)						Prepared: 03/31/2022 Analyzed: 04/01/2022				
1,1,1,2-Tetrachloroethane	ND	2.61	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	2.07	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	2.61	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.91	"		ND					25	
1,1,2-Trichloroethane	ND	2.07	"		ND					25	
1,1-Dichloroethane	ND	1.54	"		ND					25	
1,1-Dichloroethylene	ND	0.753	"		ND					25	
1,2,4-Trichlorobenzene	ND	2.82	"		ND					25	
1,2,4-Trimethylbenzene	6.72	1.87	"		6.54				2.82	25	
1,2-Dibromoethane	ND	2.92	"		ND					25	
1,2-Dichlorobenzene	ND	2.28	"		ND					25	
1,2-Dichloroethane	ND	1.54	"		ND					25	
1,2-Dichloropropane	ND	1.76	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	2.66	"		ND					25	
1,3,5-Trimethylbenzene	1.87	1.87	"		2.05				9.52	25	
1,3-Butadiene	ND	2.52	"		ND					25	
1,3-Dichlorobenzene	ND	2.28	"		ND					25	
1,3-Dichloropropane	ND	1.76	"		ND					25	
1,4-Dichlorobenzene	ND	2.28	"		ND					25	
1,4-Dioxane	ND	2.74	"		ND					25	
2-Butanone	25.3	1.12	"		25.9				2.19	25	
2-Hexanone	5.60	3.11	"		5.29				5.71	25	
3-Chloropropene	ND	5.95	"		ND					25	
4-Methyl-2-pentanone	ND	1.56	"		ND					25	
Acetone	20.6	1.81	"		20.9				1.74	25	
Acrylonitrile	ND	0.825	"		ND					25	
Benzene	1.21	1.21	"		ND					25	
Benzyl chloride	ND	1.97	"		ND					25	
Bromodichloromethane	ND	2.55	"		ND					25	
Bromoform	ND	3.93	"		ND					25	
Bromomethane	ND	1.48	"		ND					25	
Carbon disulfide	ND	1.18	"		ND					25	
Carbon tetrachloride	ND	0.598	"		ND					25	
Chlorobenzene	ND	1.75	"		ND					25	
Chloroethane	ND	1.00	"		ND					25	
Chloroform	5.38	1.86	"		5.01				7.14	25	
Chloromethane	ND	0.785	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.753	"		ND					25	
cis-1,3-Dichloropropylene	ND	1.72	"		ND					25	
Cyclohexane	ND	1.31	"		ND					25	
Dibromochloromethane	ND	3.24	"		ND					25	
Dichlorodifluoromethane	3.57	1.88	"		3.76				5.13	25	
Ethyl acetate	ND	2.74	"		ND					25	
Ethyl Benzene	1.82	1.65	"		1.82				0.00	25	
Hexachlorobutadiene	ND	4.05	"		ND					25	
Isopropanol	3.08	1.87	"		2.99				3.08	25	
Methyl Methacrylate	ND	1.56	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	1.37	"		ND					25	
Methylene chloride	ND	2.64	"		0.924					25	
n-Heptane	ND	1.56	"		ND					25	
n-Hexane	3.88	1.34	"		4.15				6.67	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 BC23248 - EPA TO15 PREP

Duplicate (BC23248-DUP1)		*Source sample: 22C1405-05 (SS005)				Prepared: 03/31/2022 Analyzed: 04/01/2022					
o-Xylene	3.30	1.65	ug/m ³		3.30				0.00	25	
p- & m- Xylenes	8.91	3.30	"		8.91				0.00	25	
p-Ethyltoluene	5.04	1.87	"		4.86				3.77	25	
Propylene	ND	0.654	"		ND					25	
Styrene	ND	1.62	"		ND					25	
Tetrachloroethylene	68.8	2.58	"		67.8				1.51	25	
Tetrahydrofuran	ND	2.24	"		ND					25	
Toluene	6.30	1.43	"		6.16				2.30	25	
trans-1,2-Dichloroethylene	ND	1.51	"		ND					25	
trans-1,3-Dichloropropylene	ND	1.72	"		ND					25	
Trichloroethylene	0.613	0.511	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.71	2.14	"		1.92				11.8	25	
Vinyl acetate	ND	1.34	"		ND					25	
Vinyl bromide	ND	1.66	"		ND					25	
Vinyl Chloride	ND	0.486	"		ND					25	

Batch BD20084 - EPA TO15 PREP

Blank (BD20084-BLK1)		Prepared & Analyzed: 04/02/2022									
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 BD20084 - EPA TO15 PREP

Blank (BD20084-BLK1)

Prepared & Analyzed: 04/02/2022

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	0.836	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 BD20084 - EPA TO15 PREP											
LCS (BD20084-BS1)						Prepared & Analyzed: 04/02/2022					
1,1,1,2-Tetrachloroethane	10.1		ppbv	10.0		101	70-130				
1,1,1-Trichloroethane	9.21		"	10.0		92.1	70-130				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.06		"	10.0		90.6	70-130				
1,1,2-Trichloroethane	10.4		"	10.0		104	70-130				
1,1-Dichloroethane	9.05		"	10.0		90.5	70-130				
1,1-Dichloroethylene	9.04		"	10.0		90.4	70-130				
1,2,4-Trichlorobenzene	8.56		"	10.0		85.6	70-130				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	70-130				
1,2-Dibromoethane	9.77		"	10.0		97.7	70-130				
1,2-Dichlorobenzene	11.1		"	10.0		111	70-130				
1,2-Dichloroethane	9.12		"	10.0		91.2	70-130				
1,2-Dichloropropane	10.1		"	10.0		101	70-130				
1,2-Dichlorotetrafluoroethane	8.74		"	10.0		87.4	70-130				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	70-130				
1,3-Butadiene	8.35		"	10.0		83.5	70-130				
1,3-Dichlorobenzene	11.2		"	10.0		112	70-130				
1,3-Dichloropropane	9.82		"	10.0		98.2	70-130				
1,4-Dichlorobenzene	8.51		"	10.0		85.1	70-130				
1,4-Dioxane	9.06		"	10.0		90.6	70-130				
2-Butanone	9.07		"	10.0		90.7	70-130				
2-Hexanone	10.4		"	10.0		104	70-130				
3-Chloropropene	9.55		"	10.0		95.5	70-130				
4-Methyl-2-pentanone	9.63		"	10.0		96.3	70-130				
Acetone	7.51		"	10.0		75.1	70-130				
Acrylonitrile	9.25		"	10.0		92.5	70-130				
Benzene	9.07		"	10.0		90.7	70-130				
Benzyl chloride	7.40		"	10.0		74.0	70-130				
Bromodichloromethane	9.97		"	10.0		99.7	70-130				
Bromoform	10.7		"	10.0		107	70-130				
Bromomethane	15.0		"	10.0		150	70-130	High Bias			
Carbon disulfide	9.10		"	10.0		91.0	70-130				
Carbon tetrachloride	9.02		"	10.0		90.2	70-130				
Chlorobenzene	9.59		"	10.0		95.9	70-130				
Chloroethane	10.2		"	10.0		102	70-130				
Chloroform	9.17		"	10.0		91.7	70-130				
Chloromethane	7.59		"	10.0		75.9	70-130				
cis-1,2-Dichloroethylene	8.43		"	10.0		84.3	70-130				
cis-1,3-Dichloropropylene	9.96		"	10.0		99.6	70-130				
Cyclohexane	9.28		"	10.0		92.8	70-130				
Dibromochloromethane	10.1		"	10.0		101	70-130				
Dichlorodifluoromethane	12.0		"	10.0		120	70-130				
Ethyl acetate	9.17		"	10.0		91.7	70-130				
Ethyl Benzene	9.70		"	10.0		97.0	70-130				
Hexachlorobutadiene	11.9		"	10.0		119	70-130				
Isopropanol	9.06		"	10.0		90.6	70-130				
Methyl Methacrylate	9.88		"	10.0		98.8	70-130				
Methyl tert-butyl ether (MTBE)	9.36		"	10.0		93.6	70-130				
Methylene chloride	8.75		"	10.0		87.5	70-130				
n-Heptane	9.74		"	10.0		97.4	70-130				
n-Hexane	9.50		"	10.0		95.0	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 BD20084 - EPA TO15 PREP

LCS (BD20084-BS1)

Prepared & Analyzed: 04/02/2022

o-Xylene	10.3		ppbv	10.0		103	70-130				
p- & m- Xylenes	21.0		"	20.0		105	70-130				
p-Ethyltoluene	10.6		"	10.0		106	70-130				
Propylene	11.0		"	10.0		110	70-130				
Styrene	10.9		"	10.0		109	70-130				
Tetrachloroethylene	22.8		"	10.0		228	70-130	High Bias			
Tetrahydrofuran	9.32		"	10.0		93.2	70-130				
Toluene	9.74		"	10.0		97.4	70-130				
trans-1,2-Dichloroethylene	9.32		"	10.0		93.2	70-130				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130				
Trichloroethylene	9.39		"	10.0		93.9	70-130				
Trichlorofluoromethane (Freon 11)	9.56		"	10.0		95.6	70-130				
Vinyl acetate	7.56		"	10.0		75.6	70-130				
Vinyl bromide	9.89		"	10.0		98.9	70-130				
Vinyl Chloride	7.22		"	10.0		72.2	70-130				

Duplicate (BD20084-DUP1)

*Source sample: 22C1555-02 (Duplicate)

Prepared & Analyzed: 04/02/2022

1,1,1,2-Tetrachloroethane	ND	0.655	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.521	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.655	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.731	"		ND					25	
1,1,2-Trichloroethane	ND	0.521	"		ND					25	
1,1-Dichloroethane	ND	0.386	"		ND					25	
1,1-Dichloroethylene	ND	0.189	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.708	"		ND					25	
1,2,4-Trimethylbenzene	1.45	0.469	"		1.41				3.28	25	
1,2-Dibromoethane	ND	0.733	"		ND					25	
1,2-Dichlorobenzene	ND	0.574	"		ND					25	
1,2-Dichloroethane	ND	0.386	"		ND					25	
1,2-Dichloropropane	ND	0.441	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.667	"		ND					25	
1,3,5-Trimethylbenzene	0.375	0.469	"		0.375				0.00	25	
1,3-Butadiene	ND	0.633	"		ND					25	
1,3-Dichlorobenzene	ND	0.574	"		ND					25	
1,3-Dichloropropane	ND	0.441	"		ND					25	
1,4-Dichlorobenzene	ND	0.574	"		ND					25	
1,4-Dioxane	ND	0.688	"		ND					25	
2-Butanone	0.506	0.281	"		0.506				0.00	25	
2-Hexanone	ND	0.782	"		ND					25	
3-Chloropropene	ND	1.49	"		ND					25	
4-Methyl-2-pentanone	0.586	0.391	"		0.508				14.3	25	
Acetone	12.1	0.453	"		11.7				2.86	25	
Acrylonitrile	ND	0.207	"		ND					25	
Benzene	1.10	0.305	"		1.07				2.82	25	
Benzyl chloride	ND	0.494	"		ND					25	
Bromodichloromethane	ND	0.639	"		ND					25	
Bromoform	ND	0.986	"		ND					25	
Bromomethane	ND	0.370	"		ND					25	
Carbon disulfide	ND	0.297	"		ND					25	
Carbon tetrachloride	0.360	0.150	"		0.360				0.00	25	
Chlorobenzene	ND	0.439	"		ND					25	





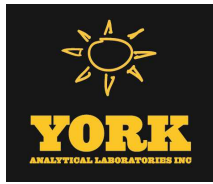
Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BD20084 - EPA TO15 PREP

Duplicate (BD20084-DUP1)		*Source sample: 22C1555-02 (Duplicate)				Prepared & Analyzed: 04/02/2022					
Chloroethane	ND	0.252	ug/m ³		ND					25	
Chloroform	0.838	0.466	"		0.932				10.5	25	
Chloromethane	1.08	0.197	"		1.02				5.61	25	
cis-1,2-Dichloroethylene	0.151	0.189	"		0.151				0.00	25	
cis-1,3-Dichloropropylene	ND	0.433	"		ND					25	
Cyclohexane	0.821	0.328	"		0.788				4.08	25	
Dibromochloromethane	ND	0.813	"		ND					25	
Dichlorodifluoromethane	2.41	0.472	"		2.22				8.16	25	
Ethyl acetate	2.58	0.688	"		2.44				5.48	25	
Ethyl Benzene	0.953	0.414	"		0.870				9.09	25	
Hexachlorobutadiene	ND	1.02	"		ND					25	
Isopropanol	80.9	0.469	"		79.0				2.32	25	
Methyl Methacrylate	2.97	0.391	"		2.81				5.41	25	
Methyl tert-butyl ether (MTBE)	ND	0.344	"		ND					25	
Methylene chloride	0.596	0.663	"		0.530				11.8	25	
n-Heptane	1.29	0.391	"		1.21				6.25	25	
n-Hexane	2.62	0.336	"		2.52				3.92	25	
o-Xylene	1.08	0.414	"		1.04				3.92	25	
p- & m- Xylenes	3.19	0.828	"		3.15				1.31	25	
p-Ethyltoluene	1.17	0.469	"		1.17				0.00	25	
Propylene	ND	0.164	"		ND					25	
Styrene	ND	0.406	"		ND					25	
Tetrachloroethylene	0.647	0.647	"		0.841				26.1	25	Non-dir.
Tetrahydrofuran	0.675	0.563	"		0.647				4.26	25	
Toluene	4.60	0.360	"		4.49				2.37	25	
trans-1,2-Dichloroethylene	ND	0.378	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.433	"		ND					25	
Trichloroethylene	ND	0.128	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.13	0.536	"		1.13				0.00	25	
Vinyl acetate	ND	0.336	"		ND					25	
Vinyl bromide	ND	0.417	"		ND					25	
Vinyl Chloride	ND	0.122	"		ND					25	





Sample and Data Qualifiers Relating to This Work Order

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.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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**

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615 132-02 89th Ave Queens, NY 11418

clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No.

22C1405

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

Page 1 of 1

YOUR Information		Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company PWGL	Company			L162201	RUSH - Next Day
Address 630 Johnson Ave Borough, NY 11716	Address				RUSH - Two Day
Phone 631-549-0355	Phone				RUSH - Three Day
Contact Deirdre Eribel	Contact				RUSH - Four Day
E-mail deirdre@pwgl.com	E-mail				Standard (5-7 Day) ☒
YOUR Project Name				YOUR PO#:	

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.

Michael Pecoraro

Samples Collected by (print your name above and sign below)

Michael Pecoraro

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

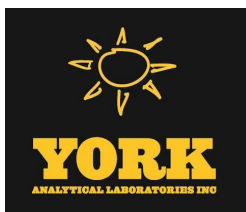
Certified Canisters: Batch _____ Individual _____		Please enter the following REQUIRED Field Data						Reporting Units: ug/m ³ ☒ ppbv ☐ ppmv ☐	
Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested		
55001	3/24/22 10:10	AS	-26	-9	20947	5609	TU-15 VOCs		
55002	0952	↓	-30	-8	33641	13556	↓		
55003	1002	↓	-30	-9	20636	5606	↓		
55004	1017	↓	-30	-9	23196	7094	↓		
55005	1035	↓	-30	-10	17350	7-44	↓		
IA001	0959	AI	-27	-8	24109	6066	+ SIM TU-15		
IA002	1020	↓	-30	-8	20299	7076	↓		
IA003	1136	↓	-30	-9	31202	5607	↓		

Comments:**Detection Limits Required****Sampling Media**

≤ 1 ug/m³ _____ NYSDEC V1 Limits _____
Routine Survey _____ Other _____

6 Liter Canister ☒
Tedlar Bag ☐

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Michael Pecoraro PWGL	3/21/22 11:16	Andrew S. ...	3/24/22 11:48		
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				edammy/Carroll	03/25/22 17:09



Technical Report

prepared for:

P.W. Grosser Consulting

630 Johnson Ave, Suite 7

Bohemia NY, 11716

Attention: Derek Ersbak

Report Date: 04/05/2022

Client Project ID: LIG2201

York Project (SDG) No.: 22C1555



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: 04/05/2022
Client Project ID: LIG2201
York Project (SDG) No.: 22C1555

P.W. Grosser Consulting
630 Johnson Ave, Suite 7
Bohemia NY, 11716
Attention: Derek Ersbak

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 28, 2022 and listed below. The project was identified as your project: **LIG2201**.

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>
22C1555-01	SS006	Soil Vapor	03/24/2022	03/28/2022
22C1555-02	IA004	Indoor Ambient Air	03/24/2022	03/28/2022

General Notes for York Project (SDG) No.: 22C1555

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: 04/05/2022





Sample Information

Client Sample ID: SS006

York Sample ID: 22C1555-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1555

LIG2201

Soil Vapor

March 24, 2022 2:00 pm

03/28/2022

Volatile Organics, EPA TO15 Full List

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	0.89	1.298	EPA TO-15 Certifications:	04/04/2022 12:00	04/05/2022 01:32	AS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.71	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.89	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.99	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.71	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.53	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.13	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.96	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
95-63-6	1,2,4-Trimethylbenzene	3.8		ug/m ³	0.64	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.0	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.78	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.53	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.60	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.91	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
108-67-8	1,3,5-Trimethylbenzene	0.89		ug/m ³	0.64	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.86	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.78	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.60	1.298	EPA TO-15 Certifications:	04/04/2022 12:00	04/05/2022 01:32	AS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.78	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.94	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
78-93-3	2-Butanone	8.7		ug/m ³	0.38	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS



Sample Information

Client Sample ID: SS006

York Sample ID: 22C1555-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1555

LIG2201

Soil Vapor

March 24, 2022 2:00 pm

03/28/2022

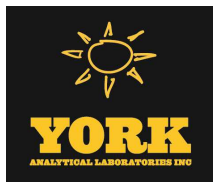
Volatile Organics, EPA TO15 Full List

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	2.1		ug/m ³	1.1	1.298	EPA TO-15 Certifications:	04/04/2022 12:00	04/05/2022 01:32	AS
107-05-1	3-Chloropropene	ND		ug/m ³	2.0	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.53	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
67-64-1	Acetone	7.3		ug/m ³	0.62	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
107-13-1	Acrylonitrile	ND		ug/m ³	0.28	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
71-43-2	Benzene	ND		ug/m ³	0.41	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
100-44-7	Benzyl chloride	ND		ug/m ³	0.67	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.87	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
75-25-2	Bromoform	ND		ug/m ³	1.3	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
74-83-9	Bromomethane	ND		ug/m ³	0.50	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
75-15-0	Carbon disulfide	ND		ug/m ³	0.40	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
56-23-5	Carbon tetrachloride	0.24		ug/m ³	0.20	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
108-90-7	Chlorobenzene	ND		ug/m ³	0.60	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
75-00-3	Chloroethane	ND		ug/m ³	0.34	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
67-66-3	Chloroform	26		ug/m ³	0.63	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
74-87-3	Chloromethane	0.43		ug/m ³	0.27	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
156-59-2	cis-1,2-Dichloroethylene	0.15		ug/m ³	0.13	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.59	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
110-82-7	Cyclohexane	ND		ug/m ³	0.45	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.1	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
75-71-8	Dichlorodifluoromethane	2.8	TO-LCS -H	ug/m ³	0.64	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.94	1.298	EPA TO-15 Certifications:	04/04/2022 12:00	04/05/2022 01:32	AS



Sample Information

Client Sample ID: SS006

York Sample ID: 22C1555-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1555

LIG2201

Soil Vapor

March 24, 2022 2:00 pm

03/28/2022

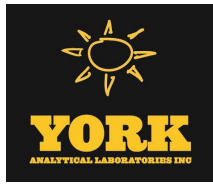
Volatile Organics, EPA TO15 Full List

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
100-41-4	Ethyl Benzene	0.79		ug/m ³	0.56	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.4	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
67-63-0	Isopropanol	16	B	ug/m ³	1.3	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.53	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.47	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
75-09-2	Methylene chloride	ND		ug/m ³	0.90	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
142-82-5	n-Heptane	1.0		ug/m ³	0.53	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
110-54-3	n-Hexane	3.2		ug/m ³	0.46	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
95-47-6	o-Xylene	1.2		ug/m ³	0.56	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
179601-23-1	p- & m- Xylenes	3.4		ug/m ³	1.1	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
622-96-8	* p-Ethyltoluene	2.4		ug/m ³	0.64	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
115-07-1	* Propylene	ND		ug/m ³	0.22	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
100-42-5	Styrene	ND		ug/m ³	0.55	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
127-18-4	Tetrachloroethylene	70		ug/m ³	0.88	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.77	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
108-88-3	Toluene	13		ug/m ³	0.49	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.51	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.59	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
79-01-6	Trichloroethylene	1.7		ug/m ³	0.17	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.73	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
108-05-4	Vinyl acetate	ND		ug/m ³	0.46	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS
593-60-2	Vinyl bromide	ND		ug/m ³	0.57	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS



Sample Information

Client Sample ID: SS006

York Sample ID: 22C1555-01

York Project (SDG) No.

22C1555

Client Project ID

LIG2201

Matrix

Soil Vapor

Collection Date/Time

March 24, 2022 2:00 pm

Date Received

03/28/2022

Volatile Organics, EPA TO15 Full List

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
75-01-4	Vinyl Chloride	ND		ug/m ³	0.17	1.298	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/04/2022 12:00	04/05/2022 01:32	AS



Sample Information

Client Sample ID: IA004

York Sample ID: 22C1555-02

York Project (SDG) No.
22C1555

Client Project ID
LIG2201

Matrix
Indoor Ambient Air

Collection Date/Time
March 24, 2022 2:00 pm

Date Received
03/28/2022

Volatile Organics, EPA TO15 Full List

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	0.65	0.954	EPA TO-15 Certifications:	04/02/2022 04:32	04/02/2022 21:54	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.52	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.65	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.73	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.52	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.39	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.095	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.71	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
95-63-6	1,2,4-Trimethylbenzene	1.4		ug/m ³	0.47	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.73	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.57	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.39	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.44	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.67	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.47	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.63	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.57	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.44	0.954	EPA TO-15 Certifications:	04/02/2022 04:32	04/02/2022 21:54	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.57	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.69	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
78-93-3	2-Butanone	0.51		ug/m ³	0.28	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	0.78	0.954	EPA TO-15 Certifications:	04/02/2022 04:32	04/02/2022 21:54	LLJ



Sample Information

Client Sample ID: IA004

York Sample ID: 22C1555-02

York Project (SDG) No.
22C1555

Client Project ID
LIG2201

Matrix
Indoor Ambient Air

Collection Date/Time
March 24, 2022 2:00 pm

Date Received
03/28/2022

Volatile Organics, EPA TO15 Full List

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	1.5	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
108-10-1	4-Methyl-2-pentanone	0.51		ug/m ³	0.39	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
67-64-1	Acetone	12		ug/m ³	0.45	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.21	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
71-43-2	Benzene	1.1		ug/m ³	0.30	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.49	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.64	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.99	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.37	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.30	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
56-23-5	Carbon tetrachloride	0.36		ug/m ³	0.15	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.44	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.25	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
67-66-3	Chloroform	0.93		ug/m ³	0.47	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
74-87-3	Chloromethane	1.0		ug/m ³	0.20	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.15		ug/m ³	0.095	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.43	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
110-82-7	Cyclohexane	0.79		ug/m ³	0.33	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.81	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.47	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
141-78-6	* Ethyl acetate	2.4		ug/m ³	0.69	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
100-41-4	Ethyl Benzene	0.87		ug/m ³	0.41	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ



Sample Information

Client Sample ID: IA004

York Sample ID: 22C1555-02

York Project (SDG) No.
22C1555

Client Project ID
LIG2201

Matrix
Indoor Ambient Air

Collection Date/Time
March 24, 2022 2:00 pm

Date Received
03/28/2022

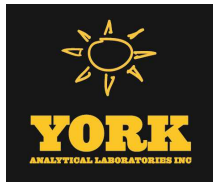
Volatile Organics, EPA TO15 Full List

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	1.0	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
67-63-0	Isopropanol	79	B	ug/m ³	0.94	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
80-62-6	Methyl Methacrylate	2.8		ug/m ³	0.39	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.34	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	0.66	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
142-82-5	n-Heptane	1.2		ug/m ³	0.39	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
110-54-3	n-Hexane	2.5		ug/m ³	0.34	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
95-47-6	o-Xylene	1.0		ug/m ³	0.41	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
179601-23-1	p- & m- Xylenes	3.1		ug/m ³	0.83	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
622-96-8	* p-Ethyltoluene	1.2		ug/m ³	0.47	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.16	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
100-42-5	Styrene	ND		ug/m ³	0.41	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
127-18-4	Tetrachloroethylene	0.84	TO-LCS -H	ug/m ³	0.65	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
109-99-9	* Tetrahydrofuran	0.65		ug/m ³	0.56	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
108-88-3	Toluene	4.5		ug/m ³	0.36	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.38	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.43	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.13	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.1		ug/m ³	0.54	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.34	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.42	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.954	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/02/2022 04:32	04/02/2022 21:54	LLJ



Sample Information

Client Sample ID: **IA004**

York Sample ID: **22C1555-02**

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

22C1555

LIG2201

Indoor Ambient Air

March 24, 2022 2:00 pm

03/28/2022



Analytical Batch Summary

Batch ID: BD20084 **Preparation Method:** EPA TO15 PREP **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
22C1555-02	IA004	04/02/22
BD20084-BLK1	Blank	04/02/22
BD20084-BS1	LCS	04/02/22
BD20084-DUP1	Duplicate	04/02/22

Batch ID: BD20241 **Preparation Method:** EPA TO15 PREP **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
22C1555-01	SS006	04/04/22
BD20241-BLK1	Blank	04/04/22
BD20241-BS1	LCS	04/04/22



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 BD20084 - EPA TO15 PREP

Blank (BD20084-BLK1)

Prepared & Analyzed: 04/02/2022

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.099	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.099	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	0.84	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"



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 BD20084 - EPA TO15 PREP

Blank (BD20084-BLK1)

Prepared & Analyzed: 04/02/2022

n-Hexane	ND	0.35	ug/m ³
o-Xylene	ND	0.43	"
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.68	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.13	"

LCS (BD20084-BS1)

Prepared & Analyzed: 04/02/2022

1,1,1,2-Tetrachloroethane	10.1		ppbv	10.0	101	70-130
1,1,1-Trichloroethane	9.21		"	10.0	92.1	70-130
1,1,2,2-Tetrachloroethane	10.3		"	10.0	103	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.06		"	10.0	90.6	70-130
1,1,2-Trichloroethane	10.4		"	10.0	104	70-130
1,1-Dichloroethane	9.05		"	10.0	90.5	70-130
1,1-Dichloroethylene	9.04		"	10.0	90.4	70-130
1,2,4-Trichlorobenzene	8.56		"	10.0	85.6	70-130
1,2,4-Trimethylbenzene	10.4		"	10.0	104	70-130
1,2-Dibromoethane	9.77		"	10.0	97.7	70-130
1,2-Dichlorobenzene	11.1		"	10.0	111	70-130
1,2-Dichloroethane	9.12		"	10.0	91.2	70-130
1,2-Dichloropropane	10.1		"	10.0	101	70-130
1,2-Dichlorotetrafluoroethane	8.74		"	10.0	87.4	70-130
1,3,5-Trimethylbenzene	10.1		"	10.0	101	70-130
1,3-Butadiene	8.35		"	10.0	83.5	70-130
1,3-Dichlorobenzene	11.2		"	10.0	112	70-130
1,3-Dichloropropane	9.82		"	10.0	98.2	70-130
1,4-Dichlorobenzene	8.51		"	10.0	85.1	70-130
1,4-Dioxane	9.06		"	10.0	90.6	70-130
2-Butanone	9.07		"	10.0	90.7	70-130
2-Hexanone	10.4		"	10.0	104	70-130
3-Chloropropene	9.55		"	10.0	95.5	70-130
4-Methyl-2-pentanone	9.63		"	10.0	96.3	70-130
Acetone	7.51		"	10.0	75.1	70-130
Acrylonitrile	9.25		"	10.0	92.5	70-130
Benzene	9.07		"	10.0	90.7	70-130
Benzyl chloride	7.40		"	10.0	74.0	70-130
Bromodichloromethane	9.97		"	10.0	99.7	70-130
Bromoform	10.7		"	10.0	107	70-130
Bromomethane	15.0		"	10.0	150	70-130
Carbon disulfide	9.10		"	10.0	91.0	70-130
Carbon tetrachloride	9.02		"	10.0	90.2	70-130

High Bias





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 BD20084 - EPA TO15 PREP

LCS (BD20084-BS1)

Prepared & Analyzed: 04/02/2022

Chlorobenzene	9.59		ppbv	10.0		95.9	70-130				
Chloroethane	10.2		"	10.0		102	70-130				
Chloroform	9.17		"	10.0		91.7	70-130				
Chloromethane	7.59		"	10.0		75.9	70-130				
cis-1,2-Dichloroethylene	8.43		"	10.0		84.3	70-130				
cis-1,3-Dichloropropylene	9.96		"	10.0		99.6	70-130				
Cyclohexane	9.28		"	10.0		92.8	70-130				
Dibromochloromethane	10.1		"	10.0		101	70-130				
Dichlorodifluoromethane	12.0		"	10.0		120	70-130				
Ethyl acetate	9.17		"	10.0		91.7	70-130				
Ethyl Benzene	9.70		"	10.0		97.0	70-130				
Hexachlorobutadiene	11.9		"	10.0		119	70-130				
Isopropanol	9.06		"	10.0		90.6	70-130				
Methyl Methacrylate	9.88		"	10.0		98.8	70-130				
Methyl tert-butyl ether (MTBE)	9.36		"	10.0		93.6	70-130				
Methylene chloride	8.75		"	10.0		87.5	70-130				
n-Heptane	9.74		"	10.0		97.4	70-130				
n-Hexane	9.50		"	10.0		95.0	70-130				
o-Xylene	10.3		"	10.0		103	70-130				
p- & m- Xylenes	21.0		"	20.0		105	70-130				
p-Ethyltoluene	10.6		"	10.0		106	70-130				
Propylene	11.0		"	10.0		110	70-130				
Styrene	10.9		"	10.0		109	70-130				
Tetrachloroethylene	22.8		"	10.0		228	70-130	High Bias			
Tetrahydrofuran	9.32		"	10.0		93.2	70-130				
Toluene	9.74		"	10.0		97.4	70-130				
trans-1,2-Dichloroethylene	9.32		"	10.0		93.2	70-130				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	70-130				
Trichloroethylene	9.39		"	10.0		93.9	70-130				
Trichlorofluoromethane (Freon 11)	9.56		"	10.0		95.6	70-130				
Vinyl acetate	7.56		"	10.0		75.6	70-130				
Vinyl bromide	9.89		"	10.0		98.9	70-130				
Vinyl Chloride	7.22		"	10.0		72.2	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 BD20084 - EPA TO15 PREP											
Duplicate (BD20084-DUP1)	*Source sample: 22C1555-02 (IA004)						Prepared & Analyzed: 04/02/2022				
1,1,1,2-Tetrachloroethane	ND	0.65	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.52	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.65	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.73	"		ND					25	
1,1,2-Trichloroethane	ND	0.52	"		ND					25	
1,1-Dichloroethane	ND	0.39	"		ND					25	
1,1-Dichloroethylene	ND	0.095	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.71	"		ND					25	
1,2,4-Trimethylbenzene	1.5	0.47	"		1.4				3.28	25	
1,2-Dibromoethane	ND	0.73	"		ND					25	
1,2-Dichlorobenzene	ND	0.57	"		ND					25	
1,2-Dichloroethane	ND	0.39	"		ND					25	
1,2-Dichloropropane	ND	0.44	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.67	"		ND					25	
1,3,5-Trimethylbenzene	0.38	0.47	"		0.38				0.00	25	
1,3-Butadiene	ND	0.63	"		ND					25	
1,3-Dichlorobenzene	ND	0.57	"		ND					25	
1,3-Dichloropropane	ND	0.44	"		ND					25	
1,4-Dichlorobenzene	ND	0.57	"		ND					25	
1,4-Dioxane	ND	0.69	"		ND					25	
2-Butanone	0.51	0.28	"		0.51				0.00	25	
2-Hexanone	ND	0.78	"		ND					25	
3-Chloropropene	ND	1.5	"		ND					25	
4-Methyl-2-pentanone	0.59	0.39	"		0.51				14.3	25	
Acetone	12	0.45	"		12				2.86	25	
Acrylonitrile	ND	0.21	"		ND					25	
Benzene	1.1	0.30	"		1.1				2.82	25	
Benzyl chloride	ND	0.49	"		ND					25	
Bromodichloromethane	ND	0.64	"		ND					25	
Bromoform	ND	0.99	"		ND					25	
Bromomethane	ND	0.37	"		ND					25	
Carbon disulfide	ND	0.30	"		ND					25	
Carbon tetrachloride	0.36	0.15	"		0.36				0.00	25	
Chlorobenzene	ND	0.44	"		ND					25	
Chloroethane	ND	0.25	"		ND					25	
Chloroform	0.84	0.47	"		0.93				10.5	25	
Chloromethane	1.1	0.20	"		1.0				5.61	25	
cis-1,2-Dichloroethylene	0.15	0.095	"		0.15				0.00	25	
cis-1,3-Dichloropropylene	ND	0.43	"		ND					25	
Cyclohexane	0.82	0.33	"		0.79				4.08	25	
Dibromochloromethane	ND	0.81	"		ND					25	
Dichlorodifluoromethane	2.4	0.47	"		2.2				8.16	25	
Ethyl acetate	2.6	0.69	"		2.4				5.48	25	
Ethyl Benzene	0.95	0.41	"		0.87				9.09	25	
Hexachlorobutadiene	ND	1.0	"		ND					25	
Isopropanol	81	0.47	"		79				2.32	25	
Methyl Methacrylate	3.0	0.39	"		2.8				5.41	25	
Methyl tert-butyl ether (MTBE)	ND	0.34	"		ND					25	
Methylene chloride	0.60	0.66	"		0.53				11.8	25	
n-Heptane	1.3	0.39	"		1.2				6.25	25	
n-Hexane	2.6	0.34	"		2.5				3.92	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 BD20084 - EPA TO15 PREP

Duplicate (BD20084-DUP1)		*Source sample: 22C1555-02 (IA004)				Prepared & Analyzed: 04/02/2022					
o-Xylene	1.1	0.41	ug/m ³		1.0				3.92	25	
p- & m- Xylenes	3.2	0.83	"		3.1				1.31	25	
p-Ethyltoluene	1.2	0.47	"		1.2				0.00	25	
Propylene	ND	0.16	"		ND					25	
Styrene	ND	0.41	"		ND					25	
Tetrachloroethylene	0.65	0.65	"		0.84				26.1	25	Non-dir.
Tetrahydrofuran	0.68	0.56	"		0.65				4.26	25	
Toluene	4.6	0.36	"		4.5				2.37	25	
trans-1,2-Dichloroethylene	ND	0.38	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.43	"		ND					25	
Trichloroethylene	ND	0.13	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.1	0.54	"		1.1				0.00	25	
Vinyl acetate	ND	0.34	"		ND					25	
Vinyl bromide	ND	0.42	"		ND					25	
Vinyl Chloride	ND	0.12	"		ND					25	

Batch BD20241 - EPA TO15 PREP

Blank (BD20241-BLK1)		Prepared & Analyzed: 04/04/2022									
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								



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 BD20241 - EPA TO15 PREP

Blank (BD20241-BLK1)

Prepared & Analyzed: 04/04/2022

Carbon tetrachloride	ND	0.16	ug/m ³
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.099	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	0.86	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"
o-Xylene	ND	0.43	"
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.68	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.13	"



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 BD20241 - EPA TO15 PREP											
LCS (BD20241-BS1)						Prepared & Analyzed: 04/04/2022					
1,1,1,2-Tetrachloroethane	11.2		ppbv	10.0		112	70-130				
1,1,1-Trichloroethane	10.4		"	10.0		104	70-130				
1,1,2,2-Tetrachloroethane	11.8		"	10.0		118	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	70-130				
1,1,2-Trichloroethane	10.5		"	10.0		105	70-130				
1,1-Dichloroethane	10.8		"	10.0		108	70-130				
1,1-Dichloroethylene	10.2		"	10.0		102	70-130				
1,2,4-Trichlorobenzene	10.5		"	10.0		105	70-130				
1,2,4-Trimethylbenzene	11.7		"	10.0		117	70-130				
1,2-Dibromoethane	10.8		"	10.0		108	70-130				
1,2-Dichlorobenzene	13.2		"	10.0		132	70-130	High Bias			
1,2-Dichloroethane	10.6		"	10.0		106	70-130				
1,2-Dichloropropane	10.4		"	10.0		104	70-130				
1,2-Dichlorotetrafluoroethane	11.0		"	10.0		110	70-130				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	70-130				
1,3-Butadiene	10.2		"	10.0		102	70-130				
1,3-Dichlorobenzene	13.1		"	10.0		131	70-130	High Bias			
1,3-Dichloropropane	10.6		"	10.0		106	70-130				
1,4-Dichlorobenzene	10.2		"	10.0		102	70-130				
1,4-Dioxane	9.77		"	10.0		97.7	70-130				
2-Butanone	10.1		"	10.0		101	70-130				
2-Hexanone	8.13		"	10.0		81.3	70-130				
3-Chloropropene	10.4		"	10.0		104	70-130				
4-Methyl-2-pentanone	9.35		"	10.0		93.5	70-130				
Acetone	8.24		"	10.0		82.4	70-130				
Acrylonitrile	10.2		"	10.0		102	70-130				
Benzene	10.4		"	10.0		104	70-130				
Benzyl chloride	9.87		"	10.0		98.7	70-130				
Bromodichloromethane	10.4		"	10.0		104	70-130				
Bromoform	12.3		"	10.0		123	70-130				
Bromomethane	10.0		"	10.0		100	70-130				
Carbon disulfide	10.6		"	10.0		106	70-130				
Carbon tetrachloride	10.6		"	10.0		106	70-130				
Chlorobenzene	10.8		"	10.0		108	70-130				
Chloroethane	10.0		"	10.0		100	70-130				
Chloroform	10.5		"	10.0		105	70-130				
Chloromethane	9.12		"	10.0		91.2	70-130				
cis-1,2-Dichloroethylene	9.53		"	10.0		95.3	70-130				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Cyclohexane	10.5		"	10.0		105	70-130				
Dibromochloromethane	11.2		"	10.0		112	70-130				
Dichlorodifluoromethane	13.3		"	10.0		133	70-130	High Bias			
Ethyl acetate	10.5		"	10.0		105	70-130				
Ethyl Benzene	10.7		"	10.0		107	70-130				
Hexachlorobutadiene	14.9		"	10.0		149	70-130	High Bias			
Isopropanol	10.0		"	10.0		100	70-130				
Methyl Methacrylate	10.6		"	10.0		106	70-130				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	70-130				
Methylene chloride	9.61		"	10.0		96.1	70-130				
n-Heptane	10.8		"	10.0		108	70-130				
n-Hexane	10.7		"	10.0		107	70-130				



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

York Analytical Laboratories, Inc.

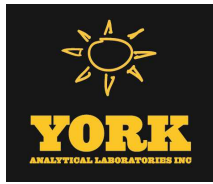
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BD20241 - EPA TO15 PREP

LCS (BD20241-BS1)

Prepared & Analyzed: 04/04/2022

o-Xylene	11.3		ppbv	10.0		113	70-130				
p- & m- Xylenes	23.1		"	20.0		116	70-130				
p-Ethyltoluene	11.9		"	10.0		119	70-130				
Propylene	12.3		"	10.0		123	70-130				
Styrene	11.8		"	10.0		118	70-130				
Tetrachloroethylene	11.3		"	10.0		113	70-130				
Tetrahydrofuran	10.6		"	10.0		106	70-130				
Toluene	10.3		"	10.0		103	70-130				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	70-130				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	70-130				
Trichloroethylene	9.96		"	10.0		99.6	70-130				
Trichlorofluoromethane (Freon 11)	9.95		"	10.0		99.5	70-130				
Vinyl acetate	10.8		"	10.0		108	70-130				
Vinyl bromide	9.84		"	10.0		98.4	70-130				
Vinyl Chloride	9.01		"	10.0		90.1	70-130				





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-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.
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.
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.



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Field Chain-of-Custody Record - AIR

YORK Project No.
22C1555

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 Page 1 of 1

YOUR Information		Report To:	Invoice To:		YOUR Project Number		Turn-Around Time										
Company: PWGC	Company:	Company:	Company:		1162201		RUSH - Next Day										
Address: 630 Johnson Ave	Address:	Address:	Address:		YOUR Project Name		RUSH - Two Day										
Bohemia, NY 11716							RUSH - Three Day										
Phone: 631-569-0353	Phone:	Phone:	Phone:				RUSH - Four Day										
Contact: Derek Erdark	Contact:	Contact:	Contact:		YOUR PO#:		Standard (5-7 Day) ☒										
E-mail: dereke@pwgrassers.com	E-mail:	E-mail:	E-mail:														
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.			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	NJDKQP	NJDEP SRP HazSite												
		Other	☐ Other:														
Samples Collected by: (print your name above and sign below)																	
Michael Pecoraro																	
Michael Pecoraro																	
Certified Canisters: Batch _____ Individual _____		Please enter the following REQUIRED Field Data					Reporting Units: ug/m ³ ☒ ppbv _____ ppmv _____										
Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested										
SS006	3/24/22 1400	AS	-27	-4	24116	6879	TO-15 VOCs										
IA004	↓ 1403	AI	-30	-10	10113	5613	TO-15 + SIM VOCs										
MP																	
Comments:					Detection Limits Required		Sampling Media										
					≤ 1 ug/m ³ _____ NYSDEC V1 Limits _____ Routine Survey _____ Other _____		6 Liter Canister ☒ Tedlar Bag										
Samples Relinquished by / Company		Date/Time		Samples Received by / Company		Date/Time		Samples Relinquished by / Company		Date/Time							
Michael Pecoraro PWGC		3/24/22 1510															
Samples Received by / Company		Date/Time		Samples Relinquished by / Company		Date/Time		Samples Received by / Company		Date/Time							
Samples Relinquished by / Company		Date/Time		Samples Received by / Company		Date/Time		Samples Received in LAB by		Date/Time							
								edanny/Carabls		03/24/22 15:15							



APPENDIX E

SOIL VAPOR/INDOOR AIR MATRICES

Appendix E
 NYSDOH Decision Matrix A
 SS001/IA001
 258 3rd Avenue, New York, NY

NYSDOH Decision Matrix A Sample Location SS001/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.676	
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		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above	1,570	7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix A Sample Location SS001/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.926	
Sub-Slab Concentration - cis-1,2- Dichloroethene(ug/m3)	< 6		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	1,180	7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix A Sample Location SS001/IA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1- Dichloroethene (ug/m3)	< 6	ND	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 SS001/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.395	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	ND	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrices B/C
 SS001/IA001
 258 3rd Avenue, New York, NY

NYSDOH Decision Matrix B Sample Location SS001/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
					104
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		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	39,000	7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix B Sample Location SS001/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	ND	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 SS001/IA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	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 SS001/IA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	2.81	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrix A
 SS002/IA001
 258 3rd Avenue, New York, NY

NYSDOH Decision Matrix A Sample Location SS002/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.676	
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		4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above	8,740	7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix A Sample Location SS002/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.926	
Sub-Slab Concentration - cis-1,2- Dichloroethene(ug/m3)	< 6		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	45,300	7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix A Sample Location SS002/IA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1- Dichloroethene (ug/m3)	< 6		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	81.9	7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix A Sample Location SS002/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.395	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	ND	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrices B/C
 SS002/IA001
 258 3rd Avenue, New York, NY

NYSDOH Decision Matrix B Sample Location SS002/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
					104
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		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	1,010,000	7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix B Sample Location SS002/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	179	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix B Sample Location SS002/IA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	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 SS002/IA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6		1. No further Action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60		3. MONITOR	4. MITIGATE
	60 and Above	990	5. MITIGATE	6. MITIGATE

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrix A
 SS003/IA001
 258 3rd Avenue, New York, NY

NYSDOH Decision Matrix A Sample Location SS003/IA001			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
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	7.77	4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix A Sample Location SS003/IA001			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.926	
Sub-Slab Concentration - cis-1,2- Dichloroethene(ug/m3)	< 6		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	6 to < 60	6.00	4. No Further Action	5. MONITOR	6. MITIGATE
	60 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix A Sample Location SS003/IA001			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1- Dichloroethene (ug/m3)	< 6	ND	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 SS003/IA001			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.395	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	ND	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrices B/C
 SS003/IA001
 258 3rd Avenue, New York, NY

NYSDOH Decision Matrix B Sample Location SS003/IA001			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			1.12		104
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100		1. No further Action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
	100 to < 1,000	458	4. No Further Action	5. MONITOR	6. MITIGATE
	1,000 and Above		7. MITIGATE	8. MITIGATE	9. MITIGATE
NYSDOH Decision Matrix B Sample Location SS003/IA001			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	ND	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 SS003/IA001			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	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 SS003/IA001			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrix A
 SS004/IA002
 254 3rd Avenue, New York, NY

NYSDOH Decision Matrix A Sample Location SS004/IA002			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.527	
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	1.14	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 SS004/IA002			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2- Dichloroethene(ug/m3)	< 6	ND	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 SS004/IA002			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1- Dichloroethene (ug/m3)	< 6	ND	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 SS004/IA002			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.36	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	ND	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrices B/C
 SS004/IA002
 254 3rd Avenue, New York, NY

NYSDOH Decision Matrix B Sample Location SS004/IA002			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
					19.1
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	70	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 SS004/IA002			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	ND	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 SS004/IA002			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.795		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	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 SS004/IA002			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrix A
 SS005/IA003
 252 3rd Avenue, New York, NY

NYSDOH Decision Matrix A Sample Location SS005/IA003			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.466		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	ND	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 SS005/IA003			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - cis-1,2- Dichloroethene(ug/m3)	< 6	ND	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 SS005/IA003			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1- Dichloroethene (ug/m3)	< 6	ND	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 SS005/IA003			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.491		
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	ND	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrices B/C
 SS005/IA003
 252 3rd Avenue, New York, NY

NYSDOH Decision Matrix B Sample Location SS005/IA003			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			3.41		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	67.8	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 SS005/IA003			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	ND	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 SS005/IA003			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.783		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	ND	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 SS005/IA003			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrix A
 SS006/IA004
 256 3rd Avenue, New York, NY

NYSDOH Decision Matrix A Sample Location SS006/IA004			Indoor Air Concentration - TRICHLOROETHENE (TCE) (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - TRICHLOROETHENE (TCE) (ug/m3)	< 6	1.7	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 SS006/IA004			Indoor Air Concentration - cis-1,2-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			0.15		
Sub-Slab Concentration - cis-1,2- Dichloroethene(ug/m3)	< 6	0.15	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 SS006/IA004			Indoor Air Concentration - 1,1-Dichloroethene (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
			ND		
Sub-Slab Concentration - 1,1- Dichloroethene (ug/m3)	< 6	ND	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 SS006/IA004			Indoor Air Concentration - Carbon Tetrachloride (µg/m³)		
			< 0.2	0.2 to < 1	1 and Above
				0.36	
Sub-Slab Concentration - Carbon Tetrachloride(ug/m3)	< 6	0.24	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

ND - Analyte not Detected

Appendix E
 NYSDOH Decision Matrices B/C
 SS006/IA004
 256 3rd Avenue, New York, NY

NYSDOH Decision Matrix B Sample Location SS006/IA004			Indoor Air Concentration - Tetrachloroethene (PCE) (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.84		
Sub-Slab Concentration - Tetrachloroethene (PCE) (ug/m3)	< 100	70	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 SS006/IA004			Indoor Air Concentration - 1,1,1-Trichloroethane (µg/m³)		
			< 3	3 to < 10	10 and Above
			ND		
Sub-Slab Concentration - 1,1,1-Trichloroethane (ug/m3)	< 100	ND	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 SS006/IA004			Indoor Air Concentration - Methylene Chloride (µg/m³)		
			< 3	3 to < 10	10 and Above
			0.66		
Sub-Slab Concentration - Methylene Chloride (ug/m3)	< 100	0.90	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 SS006/IA004			Indoor Air Concentration - Vinyl Chloride (µg/m³)	
			< 0.2	0.2 and Above
			ND	
Sub-Slab Concentration - Vinyl Chloride (ug/m3)	< 6	ND	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

ND - Analyte not Detected